This master's thesis is a design proposal for an energy efficient wooden school, which considers the new approach of teaching and learning methods of the new curriculum of Finnish National Board of Education. This is a case study-like thesis and a proposal for the ongoing ecological school-project of the municipality of Laukaa, even though the emphasis is on the energy efficiency. The written part of the thesis is a comprehensive design narrative about the development, solutions, the argumentation behind it, and deliberating of these matters. This master's thesis is a concrete example of a transformable and cosy school which energy efficiency is certified by calculations.

This master's thesis is part of the research project COMBI, which is led by Tampere University of Technology (TUT) and explores the concept of nearly zero-energy in the context of municipal service buildings. The thesis is included in the work package titled The Impact of Architecture on Energy Efficiency, carried out by TUT's School of Architecture. The work package's aim is to study current and future energy efficient building solutions as well as develop a tool for guiding the design and illustrating the connections between various aspects of energy efficient architectural design.
Loneliness is a current phenomenon in the Finnish society that has been discussed more recently in the public discourse. Loneliness can have an impact on any individual and has an extensive influence on the well-being of a person. This thesis is focused on the loneliness experienced by Finnish elderly living at home or in assisted care. It has been discovered in this thesis that experience of the loneliness and housing solutions are strongly linked. Housing solutions can either enhance or reduce the experience of loneliness.

Home and the relationship the resident has with his/her home is important to the wellbeing of the elderly. Home is often associated with different kinds of meanings and the relationship between home and ageing resident is discussed in this thesis. The idea of ageing in place has been accepted as the best solution to solve the future housing of the elderly by both society and elderly themselves. Ageing in place ensures the self-determination and independency of the elderly but does not solve the loneliness experienced by the elderly. Thus ageing in community is proposed as solu9ion to the loneliness in this thesis. The proposed co-housing concept offers the possibility to age at home in a familiar environment but with the help of community and neighborhood.

The thesis is divided into three parts. Loneliness and co-housing are discussed in regards of different theories in the research section of the work. The themes discussed in the research section are loneliness, the experience of loneliness in
relation to the environment and co-housing. Model for housing which is based on the themes found in the research section is constructed in the concept section of the thesis. Last section of the thesis consists of the application of the housing concept on one chosen planning area. The housing plan is based on the Architectural student competition Rääkylän Mummola which was held in spring 2016. The purpose of the competition was to find housing solutions for 55+ residents. The proposed plan in this thesis is developed based on the themes found in research section and comments made in the review of the competition entries.

General information
State: Published
Ministry of Education publication type: G2 Master's thesis, polytechnic Master's thesis
Organisations: Architecture
Authors: Rusanen, M.
Number of pages: 154
Publication date: 16 May 2017

Publication information
Publisher: Tampereen Teknillinen Yliopisto
ISBN (Print): 978-952-15-3948-0
Original language: Finnish

Publication series
Name: Tampereen teknillinen yliopisto. Arkkitehtuurin laitos. Asuntosuunnittelu. Julkaisu
Volume: 27
ISSN (Print): 2242-4598
Electronic versions:
Rusanen
Links:
Research output: Scientific › Master's Thesis

Universal Accessibility: On the need of an empathy-based architecture
Universal Accessibility: On the need of an empathy-based architecture is a PhD thesis researching the paradigm of accessible architectural design. Starting from the very first understanding of accessibility in architecture, it analyses the evolution of the concept over recent decades up to the present, in order to evaluate its current significance.

The assumption of this dissertation is that all current theories concerning accessibility in architecture are not properly approached and/or they are poorly linked to architectural practice, since the main postulate of this thesis is that the quality of built environments is poor in respect to accessibility. Therefore, this thesis aims to point out the main problems that accessible designs face nowadays and, more importantly, to rationalize why this situation must be reversed while also exploring the tools for doing this.

General information
State: Published
Ministry of Education publication type: G4 Doctoral dissertation (monograph)
Organisations: Architecture
Authors: Bordas Eddy, M.
Keywords: (universal accessibility, empathy, disabilities simulation, unnoticed accessibility, enabling design)
Number of pages: 278
Publication date: 10 Feb 2017

Publication information
Publisher: Tampere University of Technology
Original language: English

Publication series
Name: Tampere University of Technology. School of Architecture. Housing Design
Volume: 26
ISSN (Print): 2242-4598
Electronic versions:
Marta Bordas Eddy - Universal Accessibility
Links:
An urban cellular automata model for simulating dynamic states on a local scale

In complex systems, flexibility and adaptability to changes are crucial to the systems' dynamic stability and evolution. Such resilience requires that the system is able to respond to disturbances by self-organizing, which implies a certain level of entropy within the system. Dynamic states (static, cyclical/periodic, complex, and chaotic) reflect this generative capacity, and correlate with the level of entropy. For planning complex cities, we need to develop methods to guide such autonomous progress in an optimal manner. A classical apparatus, cellular automaton (CA), provides such a tool. Applications of CA help us to study temporal dynamics in self-organizing urban systems. By exploring the dynamic states of the model's dynamics resulting from different border conditions it is possible to discover favorable set(s) of rules conductive to the self-organizing dynamics and enable the system's recovery at the time of crises. Level of entropy is a relevant measurement for evaluation of these dynamic states. The 2-D urban cellular automaton model studied here is based on the microeconomic principle that similar urban activities are attracted to each other, especially in certain self-organizing areas, and that the local dynamics of these enclaves affect the dynamics of the urban region by channeling flows of information, goods and people. The results of the modeling experiment indicate that the border conditions have a major impact on the model's dynamics generating various dynamic states of the system. Most importantly, it seemed that the model could simulate a favorable, complex dynamic state with medium entropy level which may refer to the continuous self-organization of the system. The model provides a tool for exploring and understanding the effects of boundary conditions in the planning process as various scenarios are tested: resulting dynamics of the system can be explored with such "planning rules" prior to decisions, helping to identify planning guidelines that will support the future evolution of these areas.

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: Research group: Urban Planning, Architecture
Authors: Partanen, J.
Keywords: (Cellular automaton, Complexity theory, Dynamic states, Entropy, Evolution, Planning, Urban models)
Publication date: 2017
Peer-reviewed: Yes
ASJC Scopus subject areas: Physics and Astronomy(all)

Publication information
Journal: Entropy
Volume: 19
Issue number: 1
Article number: 12
ISSN (Print): 1099-4300
Ratings:
Publication Forum (2017): 0
Atmosfäärien salainen voima

General information

State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: Architecture, Research group: Architecture: History and Theory
Authors: Passinmäki, P.
Number of pages: 2
Pages: 82-83
Publication date: 2017
Peer-reviewed: Unknown

Publication information

Journal: Arkkitehti
Volume: 114
Issue number: 2
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: Finnish
Research output: Professional » Article
Function and ornament: the modern of Louis Sullivan and Eliel Saarinen
This article explores the search for modern architectural expression in the
texts of Louis Sullivan and Eliel Saarinen. The latter was influenced by the
former’s architecture, but the main focus of the study is the comparison of
their texts on architectural design process, or search for form. The similarities
found in the texts tell of a like-minded design philosophy, which was
based on observation and appreciation of nature. Nature contained ornaments;
therefore architecture could do so as well. The applications of the
ideas prompted by the common source differed in the work of these two architects, but the premise that ornaments could
be a useful part of a modern
architect’s design vocabulary remained the same. The understanding of both
architects’ versions of contemporary form language has suffered from a strict
modernist interpretation. The canonical image of functional architecture has
resulted in the dismissal of many divergent interpretations of modern architectural language, including that of Sullivan and Saarinen. Although current
use of architectural ornamentation stems from various sources and not necessarily nature, a look at the aesthetic search
of these two architects at the
turn of the previous century may lend some historical perspective to the use
of architectural ornament today.

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture, Research group: Urban Planning
Authors: Chudoba, M.
Number of pages: 22
Pages: 87-108
Publication date: 22 Dec 2016

Host publication information
Title of host publication: Aesthetics - The Uneasy Dimension in Architecture
Publisher: Nordic Academic Press of Architectural Research
Editors: Toft, A. E., Rönn, M.
ISBN (Print): 978-91-983797-0-9
Research output: Scientific · peer-review · Conference contribution

Muutoksen epistemologia ja resilienttä tilalliset strategiat: Maankäytön ja suunnittelun mukautumis- ja muuntautumiskykyä
tarkastelemassa
The aim of this article is to question the capacity of our state-of-the-art urban planning and urban systems to adapt to
continuous changes and disturbances in the operating environment. We contribute to the current debate of alleged rigidity
of planning by observing adaptability and evolution from a spatial-functional systems angle. We argue that in an attempt to
help cities adapt to uncertain futures, strategic plan- ning would benefit from the epistemology of resilience and complex
systems for a better performance. Resilience approach entails the notion that disturbances are non-avoidable and critical
for the constant evolution of cities and regions. However, this knowledge lacks operationalisation in planning practice. We
observe the adaptability of urban systems and planning by reflecting their qualitative resilience capacity, addressing
implicit deficiencies due to hierarchical orientation and, propose a spatially oriented framework to help indicate resilience
potential from urban morphological qualities.

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture, Research group: EDGE
Authors: Rantanen, A., Joutsiniemi, A.
Publication date: Dec 2016
Peer-reviewed: Yes

Publication information
Journal: Terra: Maantieteellinen Aikakauskirja
Volume: 128
Issue number: 4
ISSN (Print): 0040-3741
Ratings:
Publication Forum (2017): 1
Linking demand and supply factors in identifying cultural ecosystem services of urban green infrastructures: A review of European studies

Abstract Urban green infrastructure provides a number of cultural ecosystem services that are greatly appreciated by the public. In order to benefit from these services, actual contact with the respective ecosystem is often required. Furthermore, the type of services offered depend on the physical characteristics of the ecosystem. We conducted a review of publications dealing with demand or social factors such as user needs, preferences and values as well as spatially explicit supply or physical factors such as amount of green space, (bio)diversity, recreational infrastructure, etc. and linking demand and supply factors together. The aim was to provide an overview of this highly interdisciplinary research, to
describe how these linkages are being made and to identify which factors significantly influence dependent variables such as levels of use, activities or health and well-being benefits. Commonly used methods were the combination of questionnaires with either on-site visual recording of elements or GIS data. Links between social and physical data were usually established either by using statistical tools or by overlaying different thematic maps. Compared to the large number of variables assessed in most studies, the significant effects in the end were relatively few, not consistent across the studies and largely dependent on the context they were seen in. Studies focused on aesthetic and recreational services, while spiritual, educational and inspirational services were not considered when creating links to spatially explicit ecological structures. We conclude that an improvement and harmonization of methodologies, cross-country studies and an expansion of this line of research to a wider range of services and more user groups could help clarify relationships and thereby increase applicability for urban management and planning.

**General information**

State: E-pub ahead of print
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture, Research group: Urban Planning
Authors: Hegetschweiler, K. T., de Vries, S., Arnberger, A., Bell, S., Brennan, M., Siter, N., Olafsson, A. S., Voigt, A., Hunziker, M.
Keywords: (Factors influencing well-being benefits, Linkage of social and physical data, Spatially explicit, Urban forestry, Urban green space)
Number of pages: 12
Pages: 48-59
Publication date: 13 Nov 2016
Peer-reviewed: Yes

**Publication information**

Journal: Urban Forestry and Urban Greening
Volume: 21
ISSN (Print): 1618-8667
Ratings:
Publication Forum (2017): 2
Scopus rating (2016): 0.772 1.257
Publication Forum (2016): 2
Scopus rating (2015): 1.21 1.371
Web of Science (2015): 2.006 2.867 5.2 0.189 0.00276 0.621
Publication Forum (2015): 2
Scopus rating (2014): 0.972 1.665
Web of Science (2014): 2.109 2.721 5.2 0.182 0.00224 0.636
Publication Forum (2014): 2
Scopus rating (2013): 1.486 1.806
Publication Forum (2013): 2
Scopus rating (2012): 0.845 1.642
Publication Forum (2012): 2
Scopus rating (2011): 0.726 1.48
Scopus rating (2010): 0.762 1.361
Scopus rating (2009): 0.573 1.084
Scopus rating (2008): 0.516 1.096
Scopus rating (2007): 0.407 0.885
Scopus rating (2006): 0.567 1.489
Scopus rating (2005): 0.352 0.733
Scopus rating (2004): 0.343 0.605
Scopus rating (2003): 0.14 0.381
Original language: English
DoIs: 10.1016/j.ufug.2016.11.002
Source: RIS
Source-ID: urn:9A2A4A2AE5A225AD9825430F3120F39
Research output: Scientific - peer-review › Article

Arkkitehtuuritutkimus nyt
Building 'Post-Growth': Quantifying and Characterizing Resources in the Building Stock

Building stocks will play growing roles in the extraction of secondary construction materials in future. Moreover, as there is a need to decouple buildings’ service provision from their material consumption, building stocks should, in fact, be considered not only as deposits of raw materials but also as reserves of space. Despite of their significance, these stocks tend neither to be well known nor systematically analysed. The end-of-life phase of buildings is especially poorly covered in research, although the aspects of buildings’ mortality and survival are fundamentally intertwined. The omission is highly problematic, because it precludes understanding the fundamental dynamics of the stock.

The current study is situated in Finland, where the basic composition of the stock is relatively well established in the Building and Dwelling Register, contrary to many other countries. Taking advantage of statistical description, this dissertation explores the geography and characteristics of obsolete parts of the Finnish building stock, that is, demolished and problematically vacant buildings. The dynamics, or the relations, within the stock are also considered on a very basic level, with the help of a simple correlation analysis. In order to exemplify refining the results of this kind of top-down research, the study then switches to a bottom-up approach and zooms into the more specific composition of a selected age-use cohort, the 1960–80s blocks of flats. The types and dimensions of the cohort’s components, or concrete panels, are inventoried, and the results are compared to the current requirements for dimensioning living spaces. Furthermore, the spatial configurations of flats, the service provided by these physical structures, are also investigated using graph theory informed typological methodology. The findings consist of a typology of flats characteristic to the cohort. Lastly, the extents of the reserves in the entire stock of demolished buildings, the stock of problematically vacant residential buildings and the exemplary cohort (its existing, vacant and demolished parts) are quantified and proportioned to each other and new construction, inter alia.

By highlighting the magnitudes of secondary deposits of materials, components and spaces, this dissertation suggests that public policy should start paying more attention to the building stock and the potentials embedded within it. Even though an unambiguous relation between vacancy and demolition was not identified, the key finding from the resource perspective is that significant amounts of obsolete buildings are geographically concentrated on cities. In order to practice sustainable policies on the building stock, planners and decision-makers should be better aware of these reserves and acknowledge their adaptation and modification capacities.

General information
State: Published
Ministry of Education publication type: G5 Doctoral dissertation (article)
Organisations: School of Architecture, Research group: Built Environment in Transition
Authors: Huuhka, S.
Number of pages: 94
Publication date: 7 Oct 2016

Publication information
Publisher: Tampere University of Technology
Original language: English

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Name: Tampere University of Technology. Publication
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Electronic versions:
Melutaidegalleria, Santalahdentie vt 12

**General information**
State: Published
Ministry of Education publication type: F2 Public partial realisation of a work of art
Authors: Soini, K.
Publication date: 1 Oct 2016

**Event information**
Links:
http://www.kaisasoini.fi/julkiset-teokset/melutaidegalleria/santalahti-12-teoskuvia.html
Research output: Art in coproduction - peer-review › Artefact

Melutaidegalleria, Soukanlahdenkatu

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State: Published
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Authors: Soini, K.
Publication date: 1 Oct 2016

**Event information**
Links:
Research output: Art in coproduction - peer-review › Artefact

Tampereen Tesoman Tuomarinkadun korttelin suunnittelukilpailun taideaiheen suunnittelu

**General information**
State: Published
Ministry of Education publication type: F2 Public partial realisation of a work of art
Authors: Soini, K.
Publication date: 1 Sep 2016

**Event Information**
Links:
http://www.kaisasoini.fi/cv.html
Research output: Art in coproduction - peer-review › Design

Monenlaista joustavuutta

**General information**
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Tarpio, J.
Number of pages: 10
Pages: 12-21
Publication date: Sep 2016
Peer-reviewed: Unknown
Vacant residential buildings as potential reserves: a geographical and statistical study

Vacant housing has been associated with a variety of interests from economic implications and consequences for the urban structure to the possibility of providing housing for the homeless. In addition to these social and financial aspects, unused buildings have resources embedded in them. They take land from other activities and contain refined natural resources in the form of building components and materials. Therefore, empty buildings can be regarded as reserves for housing and repositories for urban mining, i.e. material extraction. In doing so, these buildings contribute to the resilience of cities. This geographical and statistical study on residential vacancies is situated in Finland, where empty homes may also keep using energy and producing emissions. The research material consists of a vast dataset of all residential buildings with vacancies in Finland in mid-2014, a total of 275 486 buildings with 1 100 267 occupied and 378 802 unoccupied dwellings (52% of the Finnish housing stock). The paper shows several characteristics that increase the understanding of vacancies and their role in the dynamics of the building stock. Public policy should address the issue of vacancy, not only because of social and economic implications but also because of its environmental impacts and opportunities.

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture, Research group: Built Environment in Transition
Authors: Huuhka, S.
Keywords: (building stock, housing stock, obsolescence, redundancy, resilient housing, resource efficiency, shrinking cities, vacancy rates, vacant buildings, value conservation, Finland)
Number of pages: 24
Pages: 816-839
Publication date: Sep 2016
Peer-reviewed: Yes
Early online date: 2 Dec 2015

Publication information
Journal: Building Research and Information
Volume: 44
Issue number: 8
ISSN (Print): 0961-3218
Ratings:
Publication Forum (2017): 2
Scopus rating (2016): 1.298 1.561
Publication Forum (2016): 2
Scopus rating (2015): 1.524 1.543
Web of Science (2015): 2.196 3.193 6.9 0.49 0.00318 0.881
Publication Forum (2015): 2
Scopus rating (2014): 1.305 1.471
Web of Science (2014): 1.454 2.156 6.9 0.5 0.00223 0.626
Publication Forum (2014): 2
Scopus rating (2013): 1.552 1.837
Publication Forum (2013): 2
Scopus rating (2012): 1.492 1.696
Publication Forum (2012): 2
Scopus rating (2011): 0.76 1.084
Scopus rating (2010): 0.761 1.166
Scopus rating (2009): 0.767 1.413
**Accessibility improvement models for typical flats: Mass-customizable design for individual circumstances**

Elderly housing policies in Finland emphasize aging in place and preparing the existing housing stock for the predicted increase in the aged population. Timely home modifications that enhance mobile accessibility are a focal target for these policies. This article introduces the idea of mass-customizable architectural accessibility improvement models (AIMs) that have been developed for typical Finnish flats. The applicability and generalizability of an AIM designed for an archetypal two-room flat is tested by applying it to nine case buildings in the city of Tampere. The model was found to be beneficial for 42 of the 45 rooms in the research material.
The aim of the present study was to examine people's colour, music and emotion associations with dishes from two imagined restaurants. We conducted an experiment where we asked two study-participant groups to match interior colours, background music and desired emotional states for either a salad restaurant or a steak restaurant. To evoke associations we used two dish photos – a salad and a steak dish. The hypothesis was that the study participants would choose different background music and colours for different imagined restaurants. The results show that the most often selected colour, music and musically evoked and desired emotions in the salad group were Kiwi (lime colour) combined with Jazz, Pop and Soul music, and Peacefulness and Joyful Activation. In the steak group the selections were Bordeaux (dark-red colour) combined with Jazz and Classical music, and Peacefulness, Transcendence, Tenderness and Joyful Activation. The differences between the groups showed that the study participants made different kinds of articulations: the answers in the steak group emphasized romantic classical music and luxury, while the salad group emphasized vital (healthy food, dancing) and hedonistic (joy, pleasure) values. The results indicate that: (1) generally people value peaceful eating environments; (2) people choose different visual and auditory stimuli for an eating environment depending on the food menu; and (3) customers, in this case, expect a connection to their previous cultural experiences with salad and steak restaurants.
Demolished buildings: Empirical evidence on types, ages and construction materials

Studies have found that from the ecological perspective, preservation of existing buildings is usually more sustainable than demolition and new construction. Knowledge about the characteristics of demolished buildings could help to promote renovation of buildings and to advance more sustainable management of building stocks, but so far the acquisition of comprehensive data has posed an immense challenge for research. Due to the lack of empirical evidence, the current understanding is largely based on theorizing. To participate in bridging this gap of knowledge, the current study takes advantage of data extracted from the Finnish Building and Dwelling Register. This data, which encompass all buildings demolished in Finland between 2000 and 2012 (50,818 buildings), are utilized to investigate the ages, decades of origin and construction materials and methods of demolished buildings by building types in 11 different categories from residential to non-residential. The results show that buildings are being demolished after remarkably short service lives. On average, the demolished buildings were only 51 years old — a service life that is considered as appropriate for temporary structures in the current design guidance. Furthermore, prefabricated buildings reached lives around 20 years, which is clearly less than with in situ built buildings. The average lives of buildings made of different materials were as follows: 54 years (timber buildings), 50 years (brick buildings), 40 years (concrete buildings) and 19 years (steel buildings). A comparison to statistics covering the existing stock showed that demolition is typically underrepresented in the youngest cohorts and overrepresented in older cohorts.

Demolition Rates of Buildings with Different Functions and Construction Materials

Obsolescence of buildings is a complex phenomenon. Previous research has found that demolition of buildings is primarily determined by behavioural aspects, amongst which is the use of the building. At the same time, service life design of buildings keeps focusing strongly on physical factors, such as the durability of materials. This study intends to shed light on the relationship of the building’s function and material by investigating demolition rates of Finnish buildings that are made of different materials (timber, concrete, bricks, steel) and that have different functions (10 categories, both residential and non-residential). The study uses demolition data from the Finnish Building and Dwelling Register (50,818 buildings – all buildings demolished between 2000 and 2012) and statistical data on the composition of the entire building stock. According to the results, the building type seems to be more decisive than the material. The highest loss rates take place amongst warehouse buildings.
This master's thesis maps the multifunctionality of a school building from different perspectives. The goal was to explore how enabling varied uses and flexible spatial solutions could make the school building more vivid and in better use. The goal was to show how this could be a new ecological angle for school design.

Another viewpoint for this master's thesis was the new national core curriculum for basic education, that sees the pupil as active learner. The new core curriculum requires pedagogical flexibility for spatial solutions to enable different, changing teaching and learning methods. This master's thesis shows multifunctional and flexible spatial solutions for elementary school.

The master's thesis consists of a written part that is visualized by graphs. The research approaches multifunctionality from two perspectives: in building scale from user's and the function's perspective and in spatial level. In building scale, the thesis maps the characteristics of a school that can answer the needs of various users. These characteristics are illustrated among the text with the exemplary school design. In spatial level, multifunctionality is approached by presenting the spatial solutions for flexibility and applying them to school design in concept level. In conclusion, a conceptual design for a multifunctional school in Vartiosaari is presented.

This master's thesis is part of the research project COMBI, which is led by Tampere University of Technology (TUT) and explores the concept of nearly zero-energy in the context of municipal service buildings. The thesis is included in the work package titled The Impact of Architecture on Energy Efficiency, carried out by TUT's School of Architecture. The work package's aim is to study current and future energy efficient building solutions as well as develop a tool for guiding the design and illustrating the connections between various aspects of energy efficient architectural design.
Kaupunkikoti lapselle: ohjeita, kuinka kehittää asuntoja urbaanissa ympäristössä pienen lapsen näkökulmasta

Migration to city centres is an increasing phenomena in Finland. One of the largest groups moving to live in cities, in addition to single persons and the elderly, are families with children. Work-related moving to cities is common, but families have also become interested in urban living. However the excess demand in the housing market does not meet the willingness of the families to move to city centres. The housing designs in the city centres also primarily focus on the requirements of adults and the needs of children have been left in the background. What kind of housing do the families with children in urban environment require and what are the details to be taken in account from the perspective of children?

That is the question this thesis aims to answer. Research were collected to achieve an understanding of child development and requirements to create a basis for housing design from the perspective of children. The focus is on children under school age for whom home is one of the most important growth environments and greatly affects their development. Child-friendly housing designs for different concepts are considered based on the research. These concepts involve different types of families for which various floor plans are introduced in this study. The goal is to find child-friendly housing solutions and to give means on which to build on when developing apartments designed for families with small children.

1965: The Heart of Our Cities

Development vision for Hiedanranta: Densely-built and intensively green Tampere City West

General information
State: Published
Ministry of Education publication type: D5 Text book, professional manual or guide or a dictionary
Authors: Lehtovuori, P., Edelman, H., Rintala, J., Jokinen, A., Rantanen, A., Särkilahti, M., Joensuu, T.
Number of pages: 76
Publication date: 2 Mar 2016

Publication information
Publisher: Tampere University of Technology. School of Architecture
Original language: English

Publication series
Name: Tampere University of Technology. School of Architecture. Publication
Volume: 11
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Electronic versions:
Development vision for Hiedanranta
Links:
Research output: Professional › Book

An Assessment of Errors and Their Reduction in Terrestrial Laser Scanner Measurements in Marmorean Surfaces

The need for accurate documentation for the preservation of cultural heritage has prompted the use of terrestrial laser scanner (TLS) in this discipline. Its study in the heritage context has been focused on opaque surfaces with lambertian reflectance, while translucent and anisotropic materials remain a major challenge. The use of TLS for the mentioned materials is subject to significant distortion in measure due to the optical properties under the laser stimulation. The distortion makes the measurement by range not suitable for digital modelling in a wide range of cases. The purpose of this paper is to illustrate and discuss the deficiencies and their resulting errors in marmorean surfaces documentation using TLS based on time-of-flight and phase-shift. Also proposed in this paper is the reduction of error in depth measurement by adjustment of the incidence laser beam. The analysis is conducted by controlled experiments.

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture
Authors: Garcia-Fernandez, J.
Keywords: (Comparison, Experimental, Laser scanning, Marble, Measurement, Translucency)
Number of pages: 11
Pages: 1-11
Publication date: 1 Mar 2016
Peer-reviewed: Yes
ASJC Scopus subject areas: Electrical and Electronic Engineering, Software

Publication information
Journal: 3D Research
Volume: 7
Issue number: 1
Article number: 2
ISSN (Print): 2092-6731
Ratings:
Publication Forum (2017): 1
Quantitative + qualitative information for heritage conservation: An open science research for paving ‘collaboratively’ the way to historical-BIM

Insofar as our cultural heritage (CH) has become not only an economic resource but a key element in defining our identity, its accurate and flexible documentation has emerged as an essential task. The generation of 3D information with physical and functional characteristics is now possible through the connection of survey data with Historical Building Information Modeling (HBIM). However, few studies have focused on the semantic enrichment process of models based on point clouds, especially on the field of cultural heritage. These singularities make the conversion of point cloud to ‘as-built’ HBIM an expensive process from the mathematical and computational viewpoint. At present, there is no software that guarantees automatic and efficient data conversion in architectural or urban contexts. The ongoing research ‘Documenting and Visualizing Industrial Heritage’ is conducted by the School of Architecture, Tampere University of Technology, Finland based on an Open Notebook Researc...
Host publication information
Title of host publication: 2015 Digital Heritage International Congress, Digital Heritage 2015
Publisher: IEEE
ISBN (Print): 9781509000487
DOIs:
10.1109/DigitalHeritage.2015.7419495
Source: Scopus
Source-ID: 84965156312
Research output: Scientific - peer-review › Conference contribution

Muutosmallit
General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture, Research group: Built Environment in Transition
Authors: Huuhka, S.
Number of pages: 6
Pages: 32-37
Publication date: 1 Feb 2016

Host publication information
Title of host publication: Tutkitusti parempi lähiö : Asuinalueiden kehittämisohjelman tutkimusjulkaisu
Place of publication: Helsinki
Publisher: Asumisen rahoittamis- ja kehittämiskeskus (ARA)
Article number: 6
ISBN (Print): 978-952-11-4549-0
Links:
http://hdl.handle.net/10138/159846
Research output: Scientific › Chapter

Uudet talot puntarissa
General information
State: Published
Ministry of Education publication type: E1 Popularised article, newspaper article
Organisations: School of Architecture
Authors: Kiuru, T., Tarpio, J., Lommi, J.
Number of pages: 8
Pages: 54-61
Publication date: Feb 2016
Peer-reviewed: Unknown

Publication information
Journal: Meidän talo
Volume: 2016
Issue number: 2
ISSN (Print): 1455-2825
Original language: Finnish
Research output: General public › Article
The Management of Change in Finland's Wooden Historic Urban Landscapes: Old Rauma

The present research elaborates the Architectural and Urban perspective on the multidisciplinary approach of the Historic Urban Landscapes, in the Fennoscandian cultural context.

The main purpose of the present study is to define and to clarify how to limit and control change in the wooden historic urban landscapes found in a specific cultural region: Finland. Managing change in the context of the thesis gathers a wide area of possible attitudes in relation to historic urban areas, including: non-intervention, intervention by conservation, development, protection, demolition or re-building. In order to adequately answer the question, one must clarify what ‘change’, ‘historic urban landscape’ and ‘wooden [town]’ imply, as well as a number of other underlying concepts.

The main focus of the study is Old Rauma – a World Heritage site since 1991, viewed in a larger context: the cultural region of the Fennoscandia. Therefore, special attention is given to UNESCO wooden urban heritage, as it represents the most valuable and, at the same time, vulnerable and delicate form of historic urban landscape discussed and managed in contemporary practice. The role and impact of the recognition of World Heritage Sites is considered mainly through the comparative analysis of similar sites in the Nordic Countries. The narrower cultural context of Old Rauma is analysed through study cases of other historic urban areas of Finland. Defining a way to deal with change in wooden historic urban areas considered from the historic urban landscape perspective in the Nordic cultural context is one of the goals of this research, starting with the particularities and valued traits of these sites. In order to achieve a broader view on the phenomenon of the wooden historic urban landscape, the considered study cases are both World Heritage Sites as well as Finnish historic towns bearing enough similarities to be analysed in the same category.

The validity of the proposed tool: the Aggregated Management Plan for Finnish historic urban areas considering the historic urban landscape approach is supported by case studies and the elaboration of the plan for Old Rauma.
Asemanseudut ja osaamisvetoisen kaupunkikehittämisen kolmas aalto

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture, Research group: Urban Laboratory, University of Tampere
Authors: Hynynen, A., Kolehmainen, J.
Publication date: 2016
Peer-reviewed: Yes

Publication information
Journal: Yhdyskuntasuunnittelu
Volume: 54
Issue number: 4
ISSN (Print): 1459-6806
Ratings:
Publication Forum (2017): 1
Publication Forum (2016): 1
Publication Forum (2015): 1
Publication Forum (2014): 1
Publication Forum (2013): 1
Publication Forum (2012): 1
Original language: Finnish
Links:
http://www.yss.fi/journal/asemanseudut-ja-osaamisvetoisen-kaupunkikehittamisen-kolmas-aalto/
Research output: Scientific - peer-review › Article

Asemanseutujen kehittämiskonseptit ja investointimallit: Esiselvitys

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture, Research group: Urban Laboratory
Authors: Harvio, S., Lehto, V., Hynynen, A., Kolehmainen, J., Laakso, S., Matikka, J.
Number of pages: 61
Publication date: 2016

Publication information
Place of publication: Helsinki
Publisher: Ympäristöministeriö
Volume: 27
Original language: Finnish

Publication series
Name: Ympäristöministeriön raportteja 27
ISSN (Electronic): 1796-170X
Links:
Complex patterns of self-organized neighbourhoods

Complexity theory has increased our understanding of cities as dynamic, self-organizing systems. However, the planning practice of today often collides with the complex urban realm, and is incapable of steering or even recognizing self-organization. Since many self-organization mechanisms may actually be indispensable to the city, we need a better understanding of them to develop appropriate planning tools. In this paper the complex nature of self-organization in the industrial district of Nekala in the Finnish city of Tampere is studied using isovist analyses for statistical observation to confirm the inner diversity of the spontaneously evolving phenomenon. The conclusion section includes some remarks on accommodating self-organization principles in planning.
Extending Professional Fields. Architectural Research and Regional Development

In this article, architectural research work is studied as an effective operations model in regional innovation networks of building clusters. The study focuses on the projects of an academic research team working at the University Centre of Seinäjoki, as well as on the innovation environment of the surrounding South Ostrobothnian region in Western Finland. There is no actual university in the region, but the University Centre hosts some twenty professors and their research teams from six Finnish universities. The head of the subject team is also the author of this article. Because of this, the method applied in the article is a reflective action research approach.

The actions and impacts of the research work will be analysed through three case projects. The first case is the development of the large railway station area that will form a new 20-hectare multifunctional part of the city centre of Seinäjoki. The project has strong linkages to the economic policies of the city. The second case is related to the boom in new timber construction, which has been going on in Central Europe and Scandinavia for some time, but not so strongly in the subject region of this study. The aim of the project was to train small and medium-sized building cluster firms to take advantage of the emerging business potential in timber construction. The third case is closely related to the real speciality of the region. The city of Seinäjoki is home to one of the most complete building groups of architect Alvar Aalto, the famous civic centre that consists of the town hall, library, theatre, office building, church and the parish centre. At the moment there is a very demanding renovation project going on, which was also the main subject of the recent research and development project.

The descriptions of the projects are meant to illustrate the operational field of the research team, but the main focus of the article is to analyse the innovation environment that the researchers join as players among others, thus deviating from the more conventional role of architectural professionals.
Future in wood? Timber construction in boosting local development.
Large scale timber construction has been on the upswing for some time in many European countries. Besides the building cluster, also regions and cities have taken advantage of the ongoing timber boom in their economic and spatial development. In this article the focus is on the South Ostrobothnia region and the city of Seinäjoki in Western Finland, where the potential of the business is quite weakly exploited regardless of favourable preconditions. By studying the key actors of the innovation network we are able to better understand the premises of the local development platform that should aim at boosting timber construction.
Homogenous homes of Finland: ‘Standard’ flats in non-standardized blocks
Several authors have successfully created and employed vintage cohorts and housing typologies in research addressing energy renovation needs in the existing dwelling stock. This paper suggests that the idea of types would be useful in creating living quality-related renovation and adaptation concepts for homes. These concepts could be used for increasing the accessibility and individuality of flats and easing life in cramped conditions by means of design. Therefore, the study tests the approach by examining the plan design of flats in one cohort: the Finnish 1960–80s’ dwelling stock. A total of 320 apartment blocks with 8745 flats in 51 cities are examined. The study identifies 18 different types of flats, which are based on 10 basic layouts, representing over 80% of all flats. Although the housing production of this era was characterized by cost-efficiency and industrialized prefabrication technologies, the result can be deemed somewhat surprising. This is because the building layouts were never standardized in Finland: only the production technology was standardized. The identified flat types are estimated to cover as much as one-third of all existing Finnish flats. These findings provide future opportunities for creating new mass-tailored renovation concepts.

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture, Research group: Built Environment in Transition
Authors: Kaasalainen, T., Huuhka, S.
Keywords: (apartment buildings, archetypes, building research, building stock, flats, housing stock, internal space, typology, vintage cohorts, Finland)
Number of pages: 19
Pages: 229-247
Publication date: 2016
Peer-reviewed: Yes
Early online date: 25 Jun 2015

Publication information
Journal: Building Research and Information
Volume: 44
Issue number: 3
ISSN (Print): 0961-3218
Ratings:
Publication Forum (2017): 2
Scopus rating (2016): 1.298 1.561
Publication Forum (2016): 2
Scopus rating (2015): 1.524 1.543
Web of Science (2015): 2.196 3.193 6.9 0.49 0.00318 0.881
Publication Forum (2015): 2
Scopus rating (2014): 1.305 1.471
Web of Science (2014): 1.454 2.156 6.9 0.5 0.00223 0.626
Publication Forum (2014): 2
Scopus rating (2013): 1.552 1.837
Publication Forum (2013): 2
Scopus rating (2012): 1.492 1.696
Publication Forum (2012): 2
Scopus rating (2011): 0.76 1.084
Scopus rating (2010): 0.761 1.166
Scopus rating (2009): 0.767 1.413
Scopus rating (2008): 0.798 1.496
Scopus rating (2007): 0.665 1.279
Scopus rating (2006): 0.572 1.431
Scopus rating (2005): 0.357 0.855
Scopus rating (2004): 0.798 1.166
Scopus rating (2003): 0.483 0.771
Scopus rating (2002): 0.371 1.147
Scopus rating (2001): 0.349 0.865
Scopus rating (2000): 0.329 0.628
Scopus rating (1999): 0.258 0.731
As the key aspects of theories of complex systems have been established, the premises for academic research on planning and on planning praxis still necessitates the development of novel planning tools and approaches to address inevitable urban self-organizing transformations. We have accepted that cities emerge from bottom up. However, planning methods simulating this emergence are still limited. Progress has been made in recent decades and many systemic, evolutionary, and computing based planning approaches have been proposed. The work here builds on these premises. In network theoretical, computational, and democracy discourses, proxy or liquid approaches have been proposed to have potential for genuinely democratic forms of decision-making. More importantly they provide a method for information organization from bottom up in a digital platform. This process actually follows the very principles of self-organization of information in information or cognitive sciences: entropy decreases as the “bits” of information are self-organizing into coherent classes. These principles could be applied in bottom up planning approach as well. For this purpose, and to bring this discourse closer to the planning realm, I compared here the conceptualized structures of Liquid Democracy, SIRN cognitive model and prior self-organizing planning proposals to a bottom up planning experiment in Pispala neighborhood, Tampere, Finland. I evaluated its capacity for self-organization of information and hypothesized the case provides a frame for a new self-organizing planning method. Based on this evaluation a structure for a digitalized Liquid Planning procedure is suggested and discussed.
Vitality Through Integrative Urban Design: The case of Three Finnish cities

General information
State: Published
Ministry of Education publication type: A3 Part of a book or another research book
Organisations: School of Architecture, Research group: Urban Laboratory
Authors: Hynynen, A.
Number of pages: 23
Pages: 182-204
Publication date: 2016

Host publication information
Title of host publication: RE-CITY. Future City - Combining Disciplines
Place of publication: Tampere
Publisher: Tampere University of Technology. School of Architecture
Editor: Rajaniemi, J.

Publication series
Name: DATUTOP
Publisher: Tampere University of Technology, School of Architecture
Volume: 34
ISSN (Print): 0359-7105
Links:

Bibliographical note
Potential and Barriers for Reusing Load-Bearing Building Components in Finland

The European Waste Framework Directive, as set forth by the European Union in 2008, introduced a waste hierarchy that prioritizes reuse of waste over recycling whenever technically feasible and financially possible. In the field of construction, life cycle analyses on different materials have shown that reuse of structures possesses a remarkable carbon saving potential. This is the main asset that reuse has over virgin and recycled materials, although many other opportunities have also been recognized. Nevertheless, reuse has not gained ground in Western industrialized societies such as Finland. The barriers hindering reuse have been documented in the literature and they include cost, quality, quantity, perception and trust, among others.

In this study, a panel of experts working within construction and recycling industries, research and administration was surveyed about the reuse potential of prefabricated load-bearing components made of different materials in the Finnish context. In addition, the panelists were requested to identify the main barriers obstructing the reuse of the aforementioned components. The materials include concrete, steel and timber, which cover the majority of contemporary construction in Finland. The respondents evaluated that prefabricated steel has the highest reuse potential and concrete the lowest. The future potential of timber was seen as nearly equal to the potential of steel. In general, columns and beams were estimated to have better reuse potential than floor slabs and roof trusses. The potential of sandwich panels was evaluated to be the lowest.

The survey answers point out a number of issues that need addressing in order to enable reuse of components in large
scale and in industrial construction. These results may not only have implications for recycling but for the technologies used in new construction as well. Especially prefabricated concrete was seen to be burdened by not being designed for deconstruction. However, it is the lack of an established practice that seems to be the main barrier for reusing steel and concrete. Technological constraints and physical properties may nonetheless delimit the utilization of some components. As for timber, its nature as a biodegradable material seems to form the main handicap for reuse, restraining the demand. Remarkably, cost of reuse was not seen to be among the most significant barriers, unlike other studies suggest.

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture, Research group: Built Environment in Transition, Life Cycle Effectiveness of the Built Environment (LCE@BE)
Authors: Huuhka, S., Hakanen, J.
Keywords: (reuse, recycling, waste, sustainability, Resilience, survey)
Number of pages: 10
Pages: 215-224
Publication date: 23 Sep 2015
Peer-reviewed: Yes

Publication information
Journal: International Journal for Housing Science and Its Applications
Volume: 39
Issue number: 4
ISSN (Print): 0146-6518
Ratings:
Publication Forum (2017): 0
Scopus rating (2016): 0.188 0.344
Publication Forum (2016): 0
Scopus rating (2015): 0.121 0.012
Scopus rating (2014): 0.116 0.154
Scopus rating (2013): 0.107 0.009
Scopus rating (2012): 0.107 0.067
Scopus rating (2011): 0.1 0.113
Scopus rating (2010): 0.11 0.028
Scopus rating (2009): 0.12 0.017
Scopus rating (2008): 0.132 0.074
Scopus rating (2007): 0.103 0.109
Scopus rating (2006): 0.101 0.077
Scopus rating (2005): 0.123 0.058
Scopus rating (2004): 0.123 0.0
Scopus rating (2003): 0.101 0.028
Scopus rating (2002): 0.16 0.358
Scopus rating (2001): 0.115 0.039
Scopus rating (2000): 0.107 0.129
Scopus rating (1999): 0.111 0.09
Original language: English

Bibliographical note
AUX=ark,"Hakanen, Jani"
Research output: Scientific - peer-review › Article

Indicators for self-organization potential in urban context
Self-organization is a basic mechanism by which complex urban systems organize themselves. This mechanism emerges from individual agents’ local interactions, often with unpredictable consequences at the regional level. These emergent patterns cannot be controlled by traditional hierarchical methods, but they can be steered and encouraged towards desirable goals. Self-organization is often used as an allegory for all ‘unplanned’ activity in cities. It is important to study the actual mechanisms of self-organization in cities to link the theory of self-organization to planning praxis. This work builds on ongoing work exploring novel complex planning tools and methods. Here I explore the key features of open dynamic systems identified in the literature as indicators of self-organizing capacity. I study their applicability in urban spatial planning, and propose three measurable characteristics for estimating the self-organization potential of urban activities. Flow reflects generic accessibility, and is measured using space syntax. Internal order refers to autonomously organizing entities, in this case the clustering tendencies of activities. Enriching rests upon increasing complexity and is
measured as changes in degrees of entropy over time. The results indicate that (1) the study area meets the criteria for self-organization, and (2) these characteristics can be applied to discover nodes of higher potential for self-organization in a city.

**General information**

State: Published

Ministry of Education publication type: A1 Journal article-refereed

Organisations: School of Architecture, Research group: Urban Planning Theory

Authors: Partanen, J.

Keywords: (complexity, innovation, planning, self-organization, urban evolution)

Number of pages: 21

Pages: 951-971

Publication date: 19 Sep 2015

Peer-reviewed: Yes

ASJC Scopus subject areas: Environmental Science(all), Geography, Planning and Development

**Publication information**

Journal: Environment & Planning B: Planning and Design

Volume: 42

Issue number: 5

ISSN (Print): 0265-8135

Ratings:

Publication Forum (2017): 2

Scopus rating (2016): 0.693 1.03

Publication Forum (2016): 2

Scopus rating (2015): 0.553 0.989

Web of Science (2015): 1.195 1.582 >10.0 0.327 0.00235 0.528

Publication Forum (2015): 2

Scopus rating (2014): 0.504 1.023

Web of Science (2014): 0.983 1.475 >10.0 0.291 0.00235 0.495

Publication Forum (2014): 3

Scopus rating (2013): 0.855 1.351

Publication Forum (2013): 3

Scopus rating (2012): 0.7 1.349

Publication Forum (2012): 3

Scopus rating (2011): 0.745 1.284

Scopus rating (2010): 0.765 1.231

Scopus rating (2009): 0.766 1.34

Scopus rating (2008): 0.653 1.085

Scopus rating (2007): 0.707 1.325

Scopus rating (2006): 0.624 1.317

Scopus rating (2005): 0.695 1.015

Scopus rating (2004): 0.972 1.688

Scopus rating (2003): 0.624 0.98

Scopus rating (2002): 0.606 1.069

Scopus rating (2001): 0.5 1.093

Scopus rating (2000): 0.891 1.065

Scopus rating (1999): 0.298 1.28

Original language: English

DOIs:

10.1068/b140064p

Links:

http://www.scopus.com/inward/record.uri?scp=84941798840&partnerID=8YFLogxK (Link to publication in Scopus)

Source: Scopus

Source-ID: 84941798840

Research output: Scientific › peer-review › Article

Mikä estää joustavan asuntorakentamisen?
Obstacles and opportunities for the reuse of structural elements

The revised Waste Framework Directive (WFD) obliges Member States to improve material recycling. The EU's objective is to achieve a recycling rate of 70% for construction waste by the year 2020. Direct re-use of building elements is one way to support the objective.
In a national ReUSE project jointly funded by the Ministry of the Environment, VTT Technical Research Centre of Finland, Tampere University of Technology, Ekokem and Finnish Wood Research, the obstacles to and opportunities for re-use of structural elements were evaluated. The project addressed the potential and challenges currently facing the re-use of elements from existing buildings and design for re-use in new buildings. Number of case studies in which elements have been used in new buildings has also been mapped in the project.

Returning the structural components back to service in the built environment is a rather complex process affecting all the parties involved in the life cycle. Designers have to consider the new source of materials and carefully plan for deconstruction, increased demand for coordination and flexibility in decision making will be needed during construction, and finally new business areas can be opened up to provide services for the phase between deconstruction and new building. The process also depends strongly on the size and complexity of the element or structure that is being re-used.

Re-use of building elements without re-processing saves almost all of their embodied impacts and preserves their economic and cultural value. This has been always seen as the biggest opportunity to increase environmental efficiency of the built environment. In most of the cases the presented concept competes with other recovery strategies, and therefore its feasibility has to be always evaluated. Moreover, it is possible to extend the service life of such composite elements in existing building stock that cannot be easily recycled because of difficult material separation. Re-use creates many business opportunities in the local communities especially for re-distribution of salvaged material. In many cases is also cheaper to dismantle building part-by-part and sell the components than traditional demolition and waste processing. In that sense we can conclude that re-use concept is contributing to all aspects of sustainability of the built environment.

Unfortunately, there are many practical barriers to the building components re-use that should be addressed. One is the lack of strength grading rules for materials in re-used elements. This means that re-usable load-bearing components are forced to be applied for non-structural purpose unless they are thoroughly tested. Another barrier is the difficult deconstruction of existing buildings. The extended time and high demands on manual labour is usually increasing the cost of the whole process. This can be partly improved by applying standardized deconstruction practices, proper staff training and using selected technologies for deconstruction. However, the greatest impact on the building re-usability is in its design stage. Therefore we recommend addressing this issue in the planning of future steps towards resource efficiency.

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**General information**

State: Published

Ministry of Education publication type: A4 Article in a conference publication

Organisations: School of Architecture, Research group: Built Environment in Transition, VTT Tech Res Ctr Finland, VTT Technical Research Center Finland

Authors: Hradil, P., Huuhka, S., Wahlström, M.

Keywords: (resource efficiency, recycling)

Number of pages: 2

Pages: 85-86

Publication date: 10 Jun 2015

**Host publication information**

Title of host publication: Book of abstracts of WASCON 2015 - Resource efficiency in construction : 9th International Conference on the Environmental and Technical Implications of Construction with Alternative Materials

Place of publication: Santander, Spain


ISBN (Electronic): 9788460684220

Links:


**Bibliographical note**

Full papers on USB

Research output: Scientific - peer-review › Conference contribution

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**Betonilähiö joustaa muuttuvil asumistarpeisiin**


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**General information**

State: Published

Ministry of Education publication type: D1 Article in a trade journal

Organisations: School of Architecture, Research group: ASUTUT, Tampere University of Technology

Authors: Kaasalainen, H., Achrén, H.

Keywords: (renovation, accessibility, housing estate, aging, elderly, diversity)
This research maps spatial solutions and spatial thinking that generate flexibility to dwellings. Flexibility is defined here as the ability to adapt to various uses. The research questions are a) what kind of spatial solutions and interrelated principles of flexible space organization can be distinguished, b) what kind of relation or interdependency is there between these spatial principles and dwelling flexibility, and c) which issues should the architect specifically focus on when designing dwellings following these principles.

The research approaches flexible dwelling space and spatial thinking behind it in two different ways. The first approach takes a look at various classifications and conceptualizations of flexible dwellings made by housing researchers in Europe since the early 1960’s. The second approach looks directly at a variety of flexible dwellings. Comparing and analyzing floor plans this approach builds knowledge and understanding on various spatial features that create flexibility.
These two approaches are treated in a comparative way. This means that the conceptualizations are used in grouping exemplary floor plans and floor plan groups are used to analyse contents and meanings of the conceptualizations. Through this double exposure a new theory, a theory of various spatial logics of dwelling flexibility, is formulated. Spatial logic, a term and concept adopted in this research, is defined as a principle or understanding that guides the organization, provision and arrangement of the built space. The concept unites tangible space and human thinking.

In this research seven distinct spatial logics of dwelling flexibility are formulated. These logics are based on transformability or multifunctionality. Alongside the logics these two basic approaches to flexible space are widely discussed.

Every logic opens up a specific view to flexibility. This means that it has certain potential but also various limitations. None of the logics is able to provide all inclusive flexibility. However, a space or a set of spaces that constitute a dwelling does not need to follow only one single logic but several logics can be combined.

The logics guide design and building. They materialize as buildings' long--lasting properties. The choice of a logic that architect consciously or unconsciously makes is a vitally important strategic decision that essentially affects the sustainability of the built environment.

The theory produced in this research contains new terminology and a set of concepts focusing on the thematics of flexibility in Finnish. It is useful for both design and research on housing as well as for education. The theory challenges some common design practices in housing, especially the dominant 20th-century discourse emphasizing tight--fit functionality.
modular timber framed housing block in central Kokkola is introduced. The aim of the study is to both determine necessary areas of development regarding modular timber framed building construction from the viewpoint of architectural and housing design; and to function as a resource for ideas and knowledge regarding the design of modular timber framed housing blocks.

**General information**

State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture, Research group: ASUTUT
Authors: Kotilainen, S., Hedman, M.
Keywords: (Timber apartment building, modular construction, resident orientation, adaptable housing construction)
Number of pages: 213
Publication date: 7 May 2015

**Publication information**

Place of publication: Tampere
Publisher: Tampereen teknillinen yliopisto. Arkkitehtuurin laitos
Original language: Finnish
ASJC Scopus subject areas: Architecture

**Publication series**

Name: Tampereen teknillinen yliopisto. Arkkitehtuurin laitos. Asuntosuunnittelu. Julkaisu
No.: 17
Electronic versions:
Asukasläähtöinen puukerrostalokorttelilienelementeistä
Links:
Research output: Professional > Commissioned report

**Library as a Partner in Co-Designing Learning Spaces: A Case Study at Tampere University of Technology, Finland**

This article presents a case of co-designed temporary learning spaces at a Finnish academic library, together with the results of a user-survey. The experimental development of the multifunctional spaces offered an opportunity for the library to collaborate with its parent organisation thus broadening the role of the library. Hence, library can be seen as a third player facilitating learning spaces. Additionally, the library’s own expertise was strengthened through successful cooperation with the undergraduate students and other actors. The results support prior research, where studying in the library is target-oriented differing from other learning spaces in providing support and resources.

**General information**

State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: Library, School of Architecture, Research group: Public Buildings
Authors: Tevaniemi, J., Poutanen, J., Lähdemäki, R.
Keywords: (co-design, cooperation, learning commons, learning spaces, undergraduate students)
Number of pages: 21
Pages: 304-324
Publication date: 7 May 2015
Peer-reviewed: Yes
ASJC Scopus subject areas: Library and Information Sciences

**Publication information**

Journal: New Review of Academic Librarianship
Volume: 21
Issue number: 3
ISSN (Print): 1361-4533
Ratings:
Publication Forum (2017): 1
Scopus rating (2016): 0.687 1.013
Publication Forum (2016): 1
Scopus rating (2015): 0.669 0.76
Publication Forum (2015): 1
Scopus rating (2014): 1.027 0.844
Housing production is usually based on the belief of predictability, but this approach is inconsistent with the fact that the future cannot be predicted. Residential design and construction must therefore adopt more flexible and adaptable principles, where the impossibility of making predictions is taken into account. Adaptable housing can help to meet the forthcoming and increasingly diverse housing needs, providing housing alternatives in a sustainable way. Ten visions presented in this publication introduce a wide range of means, methods and scales to achieve adaptability and flexibility in housing construction. The publication consists of ten design assignments created during an advanced housing design course at Tampere University of Technology in spring 2013. The publication presents not only a wide range of means to achieve flexibility in housing construction, but also their direct connection with the practice. The publication is part of a study concerning user-centric spaces in the Indoor Environment Program of RYM Oy.

General information
State: Published
Ministry of Education publication type: D6 Edited professional books
Organisations: School of Architecture, Research group: ASUTUT
Number of pages: 268
Publication date: 31 Mar 2015

Publication information
Place of publication: Tampere
Publisher: Tampereen teknillinen yliopisto. Arkkitehtuurin laitos
Original language: Finnish

Publication series
Name: Housing Design
Publisher: Tampere University of Technology. School of Architecture. Housing Design. Publication;16
Electronic versions:
joustavat_asuinymparistot
Links:
Links:
Research output: Professional › Anthology

Matkalla joustaviin asuinympäristöihin
General information
State: Published
Ministry of Education publication type: D2 Article in professional manuals or guides or professional information systems or text book material
Organisations: School of Architecture, Research group: ASUTUT
Laboratoriorien yhteiskäyttö yliopistokampuksilla


Tapaustutkimuksen tulokset osoittavat, että laboratoriorien yhteiskäyttöisyyydessä on paljon potentiaalia tutkijoiden tietotaidon vaihdon, yhteisöllisyyden kehittymisen ja kustannustehokkuuden näkökulmasta. Henkilöstön rekrytoinnin ja sitoutuneisuuden näkökulmasta voidaan nähdä, että parhaat laboratoriot houkuttelevat parhaita tutkijoita.

Globalisaation myötä kilpailu huippuosaajista vaikuttaa kiihtyvän ja kansainvälinen kilpailu on jatkuvasti käynnissä. Pienelle maalle kuten Suomi, yhteiskäyttöisyden ja jaettujen resurssien toimintamalli tarjoaa mahdollisuuden kehittää ja ylläpitää state-of-art -laboratorioympäristöjä.

General information
State: Published
Ministry of Education publication type: D2 Article in professional manuals or guides or professional information systems or text book material
Organisations: School of Architecture, Research group: Public Buildings
Authors: Yläoutinen, J., Peltoniemi, S.
Number of pages: 10
Pages: 350-359
Publication date: Mar 2015

Host publication information
Title of host publication: Oppiva kampus: How to co-create campus?
Place of publication: Tampere
Publisher: Suomen Yliopistokiinteistöt Oy
Editors: Nenonen, S., Kärnä, S., Junnonen, J., Tähtinen, S., Sandström, N.
Links:
Research output: Professional › Chapter

Uudet arkkiitehtoniset ratkaisumallit muuttavat kampuksien ilmettä

Uudet pedagogiset ovallukset sekä tekniset innovaatiot ovat radikaalisti muokanneet yliopistoooppimista, mikä asettaa merkittäviä kehitystarpeita myös oppimistiloille. Uudenlaiset oppimistavat vaativat uudenlaisia tiloja ja paikkoja, jotka tukevat oppimista parhailla mahdollisella tavalla. Artikkelissa pohditaan kumpaa kampuksia voidaan elävöittää arkkiitehtuurin keinoin? Miten eri mittakaavalliset ratkaisut tukevat oppimista, vuorovaikutusta sekä luovuutta?

General information
State: Published
Ministry of Education publication type: D2 Article in professional manuals or guides or professional information systems or text book material
Organisations: School of Architecture, Research group: Public Buildings
Authors: Poutanen, J., Peltoniemi, S., Pihlajarinne, N.
Number of pages: 22
Pages: 72-93
Publication date: Mar 2015

Host publication information
Title of host publication: Oppiva kampus : How to co-create campus?
Place of publication: Tampere
Publisher: Suomen Yliopistokiinteistöt Oy
Editors: Nenonen, S., Kärnä, S., Junnonen, J., Tähtinen, S., Sandström, N.
Links:
Research output: Professional > Chapter

MASTRA: Strateginen kaavakartta - maakuntakaavamerkintöjen ja -määräysten uudet lähestymistavat - osa C

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture, Research group: EDGE
Authors: Joutsiniemi, A., Vanhatalo, J.
Number of pages: 61
Publication date: 9 Feb 2015

Publication information
Place of publication: Tampere
Publisher: Pirkanmaan liitto
ISBN (Print): 978-951-590-312-9
Original language: Finnish
Links:
http://maakuntakaava2040.pirkanmaa.fi/sites/default/files/Mastra_C_NETTIIN.pdf
Research output: Professional > Commissioned report

Maailma muuttuu – miksei lähiöasunnotkin?
Tampere University of Technology's School of Architecture studies how the Finnish 1970's housing estates could be renovated to meet today's changed housing needs.

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture, Research group: Built Environment in Transition, Tampere University of Technology
Authors: Kaasalainen, H., Achrén, H., Huuhka, S.
Keywords: (renovation, housing estates, accessibility, diversity)
Number of pages: 2
School travel mode choice and the characteristics of the urban built environment: The case of Helsinki, Finland

As observed in several previous studies, the nature of the urban structure can affect children's mode of transportation to school. In this paper, we identify and investigate, in the Finnish context, the elements of the urban structure around homes and en route to school that promote children's ability to walk or cycle to school, using the conceptual domains proposed by Mitra (2013) to frame the work.

The associations discovered can, to a large extent however, be viewed as contrasting significantly with those identified in previous research, as an increase in the variables, essentially indicating urbanity, decreased the likelihood of the children walking or cycling to school. This is due to the existence of a well-functioning public transportation network in the Helsinki region. The associations were more significantly associated with the environment en route to school than with the environment around homes. This research improves our understanding of active school transportation behaviour in an environment that is already relatively supportive of active transportation and independent mobility by offering a well-functioning public transportation system. (C) 2014 Elsevier Ltd. All rights reserved.
**A comparative study of urban form**

This paper compares four different approaches to urban morphology: historico-geographical, process typological, space syntax, and spatial analytical. It explores in particular the use of four fundamental concepts proposed in these approaches: morphological region, typological process, spatial configuration, and cell. The four concepts are applied in a traditional gateway area of the city of Porto, Portugal. The area includes considerable variety of urban form. The main purpose is to understand how to combine and co-ordinate these approaches so as to improve the description, explanation and prescription of urban form.

**General information**

- **State:** Published
- **Ministry of Education publication type:** A1 Journal article-refereed
- **Authors:** Oliveira, V., Monteiro, C., Partanen, J.
- **Keywords:** (Conzenian school, Muratorian school, Space syntax, Spatial analysis, Urban form)
- **Number of pages:** 20
- **Pages:** 73-92
- **Publication date:** 2015
- **Peer-reviewed:** Yes

**ASJC Scopus subject areas:** Urban Studies, Archaeology, Archaeology

**Publication information**

- **Journal:** Urban Morphology
- **Volume:** 19
- **Issue number:** 1
- **ISSN (Print):** 1027-4278
- **Ratings:**
  - Publication Forum (2017): 2
  - Scopus rating (2016): 0.191 1.622
  - Publication Forum (2016): 2
  - Scopus rating (2015): 0.141 0.863
  - Publication Forum (2015): 2
  - Scopus rating (2014): 0.234 1.437
  - Publication Forum (2014): 2
  - Scopus rating (2013): 0.135 0.496
  - Publication Forum (2013): 2
  - Scopus rating (2012): 0.229 1.525
  - Publication Forum (2012): 2
  - Scopus rating (2011): 0.274 1.489
  - Scopus rating (2010): 0.246 1.246
Scopus rating (2009): 0.201 1.38
Scopus rating (2008): 0.102 0.839
Scopus rating (2007): 0.231 0.65
Scopus rating (2006): 0.216 0.59
Scopus rating (2005): 0.124 1.534
Scopus rating (2004): 0.114 0.861
Scopus rating (2003): 0.228 1.886
Scopus rating (2002): 0.121 1.4
Scopus rating (2001): 0.124 1.576
Scopus rating (2000): 0.124 0.375
Scopus rating (1999): 0.163 1.443

Original language: English
Links:
http://www.scopus.com/inward/record.url?scp=84927724787&partnerID=8YFLogxK (Link to publication in Scopus)
Source: Scopus
Source-ID: 84927724787
Research output: Scientific - peer-review › Article

Ainutkertaisten tarpeiden tragedia

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture, Research group: EDGE
Authors: Joutsiniemi, A.
Publication date: 2015
Peer-reviewed: Yes

Publication information
Journal: Yhdyskuntasuunnittelu
Volume: 53
Issue number: 2
ISSN (Print): 1459-6806
Ratings:
Publication Forum (2017): 1
Publication Forum (2016): 1
Publication Forum (2015): 1
Publication Forum (2014): 1
Publication Forum (2013): 1
Publication Forum (2012): 1
Original language: Finnish
Links:
http://www.yss.fi/journal/ainutkertaisten-tarpeiden-tragedia/
Research output: Scientific - peer-review › Editorial

Arkinen liikkuminen kontekstina kaupunkitilan tarkasteluun

General information
State: Published
Organisations: School of Architecture
Authors: Tartia, J.
Publication date: 2015
Peer-reviewed: No

Publication information
Journal: Versus
ISSN (Print): 2242-3443
Ratings:
Publication Forum (2017): 0
Arkkitehdit saivat olla hieman vaatimattomampia: Juhani Pallasmaan haastelu

General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture, Research group: History of Architecture
Authors: Passinmäki, P.
Number of pages: 4
Pages: 42-45
Publication date: 2015
Peer-reviewed: No

Publication information
Journal: Niin ja näin
Volume: 87
Issue number: 4
ISSN (Print): 1237-1645
Ratings:
Publication Forum (2017): 1
Publication Forum (2016): 1
Publication Forum (2015): 1
Publication Forum (2014): 1
Publication Forum (2013): 1
Original language: Finnish
Links:
http://www.netn.fi/lehti/niin-nain-415

Betonielementtien uudelleenkäyttömahdollisuudet

Rakennusten sisämaan käyttömahdollisuudesta on huomionarvoista, että sisämaan käyttömahdollisuus rakennuksen sisäosuhteissa ja sisäilmaongelmaisissa on yleensä korkeampi ja sitä enemmän puretakseen rakennuksen sisäilmaongelmat vähentää. Rakennusten sisäilmaongelmat ovat usein maantieteellisesti paikallisia ja ne syntyvät usein yleisesti rakennusten sisäosuhteissa ja sisäilmaongelmaisissa.

Rakennusten sisämaan käyttömahdollisuudesta on huomionarvoista, että sisämaan käyttömahdollisuus rakennuksen sisäosuhteissa ja sisäilmaongelmaisissa on yleensä korkeampi ja sitä enemmän puretakseen rakennuksen sisäilmaongelmat vähentää. Rakennusten sisäilmaongelmat ovat usein maantieteellisesti paikallisia ja ne syntyvät usein yleisesti rakennusten sisäosuhteissa ja sisäilmaongelmaisissa.

Rakennusosien uudelleenkäyttömahdollisuudesta on huomionarvoista, että sisämaan käyttömahdollisuus rakennuksen sisäosuhteissa ja sisäilmaongelmaisissa on yleensä korkeampi ja sitä enemmän puretakseen rakennuksen sisäilmaongelmat vähentää. Rakennusten sisäilmaongelmat ovat usein maantieteellisesti paikallisia ja ne syntyvät usein yleisesti rakennusten sisäosuhteissa ja sisäilmaongelmaisissa.
As demonstrated in many earlier studies, the qualities of physical environment have great impacts on physical activity (PA) behavior. However, studying individual built environmental variables often produces contradictory effects between studies. To overcome this, we composéd multivariate environmental types using principal component analysis that take notice of the inter-correlations between the physical environmental variables. To get a realistic view of the places children and adolescents visit in their daily life, we used mapping methodology where children themselves defined their important places. Based on 16 built environmental variables, six built environmental types were composed around these places.

We found that walking and cycling was most prominent in residential environments and least common in mixed use areas with offices. Environments with big commercial buildings as well as green environments had the highest proportions of car use. Most places, in general, were visited with friends, but most typically, areas with big commercial buildings and mixed use areas with offices were reached in the company of friends. Relatively many places were visited alone in residential
Experience-Driven Design of Ambiences for Future Pop Up Workspaces

Knowledge work is in transformation and new means for supporting workers’ wellbeing and productivity are needed. Pop Up workspaces are temporary and often social working environments where people can modify their environment to suit their current work mode. The aim of the present research was to explore the opportunities of future Pop Up workspaces, and specifically their technology-mediated ambiences that can provide meaningful experiences for the workers. We employed the Experience-Driven Design (EDD) approach to gain insights of the desired experiences in Pop Up workspaces. We first conducted three participatory group sessions to ideate experience types for Pop Up workspaces. We then run a multidisciplinary concepting workshop in which we designed concepts for technology-mediated ambiences. Five experience categories for worker mindsets were identified, namely Liberty, Fellowship, Determination, Retreat and Recovery. We present ambience concepts that utilise the mindsets and related target experiences, and how they can be supported by ambient technologies.

General information
Kattavasti rivitaloista

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture, Research group: ASUTUT
Authors: Helamaa, A.
Number of pages: 2
Pages: 80-81
Publication date: 2015
Peer-reviewed: Unknown

Publication information
Journal: Arkkitehti
Issue number: 3
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: Finnish
Research output: Professional › Book/Film/Article review

Kaupunki näyttämönä

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture, Research group: Urban Planning
Authors: Chudoba, M.
Number of pages: 2
Pages: 12-13
Publication date: 2015
Peer-reviewed: Unknown

Publication information
Journal: Arkkitehtiuutiset
Issue number: 8
ISSN (Print): 0044-8915
Original language: Finnish
Links:
Research output: Professional › Article

Kaupunki uudistuu

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture, Research group: Urban Planning
Authors: Chudoba, M.
Number of pages: 2
Pages: 12-13
Publication date: 2015
Peer-reviewed: Unknown

Publication information
Journal: Arkkitehtiuutiset
Issue number: 10
ISSN (Print): 0044-8915
Key concepts in urban studies: 2nd edition

General information
State: Published
Ministry of Education publication type: C1 Separate scientific books
Organisations: School of Architecture, Research group: Built Environment in Transition, Research group: Urban Planning Theory
Authors: Gottdiener, M., Budd, L., Lehtovuori, P.
Publication date: 2015

Publication information
Place of publication: London
Publisher: SAGE Publications
ISBN (Print): 9781849201995
Original language: English

Publication series
Name: SAGE Key Concepts series
Links:
https://uk.sagepub.com/en-gb/eur/key-concepts-in-urban-studies/book234192
Research output: Scientific - peer-review › Book

Kilpailuista toteutuksena, Arkkitehtitoimisto Lahdelma&Mahlamäki Oy

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture, Research group: Architecture: History, Theory and Innovations
Authors: Lahdelma, I.
Publication date: 2015

Event information
Research output: Solo art production › Exhibition

Koteja ja kokonaistaideteoksia

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture, Research group: Urban Planning
Authors: Chudoba, M.
Number of pages: 3
Pages: 76-78
Publication date: 2015
Peer-reviewed: Unknown

Publication information
Journal: Arkkitehtti
Issue number: 3
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: Finnish
Research output: Professional › Article
Meeting of Vernacular and Modern Architecture in Urbino: Giancarlo De Carlo and reading of the context

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture, Research group: History of Architecture
Authors: Koponen, O.
Number of pages: 4
Pages: 26-29
Publication date: 2015

Host publication information
Title of host publication: Italian Vernadoc 2015 – Amandola : Studying Italia and its architecture. The first 10 VERNADOC-years
Place of publication: Helsinki
Publisher: Suomen ICOMOS, kansanrakentamisen komitea
Editor: Mattila, M.
ISBN (Print): 978-952-67465-9-3
Research output: Scientific › Chapter

Muutoksi: Second-generation Immigrants’ Movie Workshop in Helsinki

General information
State: Published
Ministry of Education publication type: A3 Part of a book or another research book
Organisations: School of Architecture, Research group: Built Environment in Transition, Research group: Urban Planning Theory
Authors: Peipinen, V., Lehtovuori, P.
Number of pages: 5
Pages: 96-100
Publication date: 2015

Host publication information
Title of host publication: Hopeless Youth!
Publisher: Estonian National Museum
Editors: Martínez, F., Runnel, P.
ISBN (Print): 978-9949-548-10-1
Research output: Scientific - peer-review › Chapter

Novel architectural solutions change campus design
The change in the learning paradigm from transmission of information to an active learning model is evident in higher education, too. From solitary to group work, from virtual to learning by doing, all means and methods are possible. Like a lively city, so do our campus premises need to support a greater variety of spaces, as learning is becoming more and more diverse. How does architecture, in different scales and different solutions, enliven the existing university campus?
From holistic to small surgical operations, architectural solutions are presented on three different scales; campus, building, and group of space. Pervasive solutions, in which the whole layout is drastically changed, possess potential in changing essentially human interaction and how the building is used. However, these solutions are slow and expensive to execute. Then again, targeted learning space solutions, created, for example, in an area of formerly supporting spaces, are less expensive but have an impact only in the vicinity or for a certain group of users. The existing premises of campuses possess a huge potential to be turned into vivid urban centers that support learning and research of the future. Hence, the existing buildings can be seen as platforms for novel architectural solutions, and stages to present universities state-of-the-art education and research.
The outcomes of the research can be applied in different design stages and scales of campus environments. The article aims at evoking readers to ponder on novel and innovative solutions that could be used in campus development, and can be seen as a conversation opener for designers, campus developers and users. The visions presented in this article inspire readers to look upon campuses from a new perspective
through innovative examples and spatial solutions.

General information
State: Published
Ministry of Education publication type: D2 Article in professional manuals or guides or professional information systems or textbook material
Organisations: School of Architecture, Research group: Public Buildings
Authors: Poutanen, J., Peltoniemi, S., Pihlajarinne, N.
Number of pages: 22
Pages: 60-81
Publication date: 2015

Host publication information
Title of host publication: How to co-create campus?
Place of publication: Tampere
Publisher: Suomen Yliopistokiinteistöt Oy
Editors: Nenonen, S., Kärnä, S., Junnonen, J., Tähtinen, S., Sandström, N., Airo, K., Niemi, O.
Links:
Research output: Professional › Chapter

Paluu ojankaivajien valtakuntaan

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture, Research group: EDGE
Authors: Joutsiniemi, A.
Publication date: 2015
Peer-reviewed: Yes

Publication information
Journal: Yhdyskuntasuunnittelu
Volume: 53
Issue number: 1
ISSN (Print): 1459-6806
Ratings:
Publication Forum (2017): 1
Publication Forum (2016): 1
Publication Forum (2015): 1
Publication Forum (2014): 1
Publication Forum (2013): 1
Publication Forum (2012): 1
Original language: English
Links:
http://www.yss.fi/journal/paluu-ojankaivajien-valtakuntaan-2/
Research output: Scientific - peer-review › Editorial

Postmoderni Suomen rakennusperinnössä

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture, Research group: History of Architecture
Authors: Koponen, O.
Number of pages: 3
Pages: 72-74
Publication date: 2015
Peer-reviewed: Unknown

Publication information
Puu-Hubi: Perinteestä uusiin innovaatioihin

**General information**
State: Published
Ministry of Education publication type: E1 Popularised article, newspaper article
Organisations: School of Architecture, Research group: Urban Laboratory
Authors: Panu, A.
Number of pages: 1
Pages: 6
Publication date: 2015
Peer-reviewed: Unknown

**Publication information**
Journal: UCS : Seinäjoen yliopistokeskuksen tiedotuslehti
Issue number: 1
ISSN (Print): 1796-0134
Original language: Finnish
Research output: General public › Article

Puurakentamisesta potkua alueiden ja kaupunkien kehittämiseen

**General information**
State: Published
Ministry of Education publication type: D2 Article in professional manuals or guides or professional information systems or text book material
Organisations: School of Architecture, Research group: Urban Laboratory
Authors: Hynynen, A.
Number of pages: 19
Pages: 75-93
Publication date: 2015

**Host publication information**
Title of host publication: Puu-Hubi : Perinteestä uusiin innovaatioihin
Publisher: Tampereen teknillinen yliopisto. Arkkitehtuurin laitos
Editors: Hynynen, A., Panu, A., Taanila, T.
Links:
Research output: Professional › Chapter

Raitiotien seisakkeet: Yhdyskuntasuunnittelun jatkokurssi A ja B

Vuoden 2014 Yhdyskuntasuunnittelun jatkokurssin aiheena oli Tampereelle toteutettava kaupunkiraitiotie, joka tulee helpottamaan huomattavasti kulkemista Tampereella tulevaisuudessa.

Kurssi oli sisällöltään ja osallistujaitaan epätavanomainen. Osallistujia kurssilla oli useammasta eri tiedekunnasta: Tampereen teknillisen yliopiston arkkitehtuurin laitosta ja liikennesuunnittelun opiskelijoilta, Tampereen yliopiston psykologi ja sosioopiskelijoilta.

Kolmosaisten kurssin painopiste oli urban design-osuudella, muiden ollessa vapaavalintaisia. Suunnittelukohteina poikkitieteellisesti muodostetuilla rymillä olivat kolme Tampereen raitiotien yleissuunnittelussa esitettyä seisaketta: Hakametsä, Turtola ja Hallila. Useat osallistujat olivat valinneet myös planning-osuuden, johon koottiin jäsenistö kunkin seisakkeen design-osuuden rymistä.

**General information**
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture, Research group: Urban Planning
Number of pages: 74
Publication date: 2015
Urban Planning and Design Advanced Course, co-ordinated by Tampere University of Technology Architecture School, opened up a possibility for the collaboration of two universities in Autumn 2014. The multidisciplinary student groups were given a task: to design a tram stop and its environment in Tampere. A real project was behind the task, giving a concrete motivation for the negotiations.

Seinäjoen ydinkeskustan olennaiset kehitysvaiheet ja sen 1950 - 70-lukujen rakennusperinnön arvottamisperiaatteita

Shared use of research laboratories Changing spatial concepts: A Case Study in a Finnish Biomedical Organization
Stirring the Construction Project Management with Co-creation and Continuous Improvement

Abstract Gathering information that is capable to explain customers’ needs is usually seen as a quite straightforward part of the traditional construction process: a customer should be able to tell all relevant needs in the first stage so that a building could be designed and built according to the gained information. But the process is lacking of service abilities if a customer wants to modify the given information due to a change in circumstances, albeit such a change is easily caused due turbulent economic situations and long spans in real-estate development projects. Hence the customer perspective regarding the construction management (CM) process should be accommodated better. In this paper, the case studies of the four premises improvement projects are reported upon, where the CM process was altered to include and apply the concepts of continuous improvement and co-creation. The process documentation covered the impacts of the case project on the usability of the premises, the indoor climate conditions (carbon dioxide and temperature) metering, the time lapse cameras and the on-line user feedback system. The documentation consists of the minutes of the meetings, the financial reporting and the time tables. Both the processes and the results of the projects are analysed. Based on the key findings, some suggestions are put forth upon how to improve the CM process to better serve customer interests and quality improvement in the future.

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: Department of Civil Engineering, Research group: Construction Management, School of Architecture
Authors: Savolainen, J., Kähkönen, K., Niemi, O., Poutanen, J., Varis, E.
Keywords: (Co-creation, construction management, continuous improvement, customer relations management, quality management)
Number of pages: 8
Pages: 64-71
Publication date: 2015
Peer-reviewed: Yes

Publication information
Journal: Procedia Economics and Finance
Volume: 21
ISSN (Print): 2212-5671
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: English
DOIs: 10.1016/S2212-5671(15)00151-3

Bibliographical note
ORG=ark,0.5
ORG=rak,0.5
Research output: Scientific - peer-review › Conference contribution
Strategic planning and epistemology of change: Probing the fitness of urban and planning systems with resilient spatial strategies

The aim of this paper is to question the fitness of our state-of-the-art urban planning and urban systems to adapt to continuous changes and disturbances in operating environment. We argue that in an attempt to help cities adapt to uncertain futures, strategic planning should be better informed by the epistemology of complex adaptive systems and better recognise recursive emergent processes between urban metabolism and morphology.

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture, Research group: EDGE
Authors: Rantanen, A., Joutsiniemi, A.
Keywords: (Strategic planning, Resilience, Complex adaptive system)
Number of pages: 12
Pages: 336-347
Publication date: 2015

Host publication information
Title of host publication: Sustainable Futures in a Changing Climate: Proceedings of the Conference “Sustainable Futures in a Changing Climate”, 11−12 June 2014, Helsinki, Finland
Volume: 2/2015
Place of publication: Turku
Publisher: Finland Futures Research Centre, University of Turku
Editors: Hatakka, A., Vehmas, J.
ISBN (Print): 978-952-249-303-3

Publication series
Name: FFRC eBOOK 2/2015
Publisher: Finland Futures Research Centre, University of Turku
ISSN (Electronic): 1797-1322
Research output: Scientific - peer-review › Conference contribution

Sustainable Design Studio 2014
The City of Tampere is experiencing a great regeneration boom. Several central areas are under redevelopment. The Hakametsä area is one of them. The ice hockey hall of Hakametsä and the surrounding commercial areas will be redeveloped in the near future. The identity and integrated sustainable urban solutions unifying the entire Hakametsä area is becoming a key issue.

The Sustainable Design Studio 2014 looked at the opportunities related to sustainable redevelopment of the new city district. In particular, the focus was in the intersection of Hervannan vallaväylä and Sammon valtatie. Currently this intersection divides the area in separate and isolated sections with very scattered street scape and difficult accessibility for light-traffic. The restructuring of the entire city structure could offer several opportunities for more sustainable city district in connection to the new tram line.

The task for the students had to two parts with different objectives and urban scales. The first part included a group work analysis on the Hakametsä area and designing a new urban strategy for a sustainable city district. The lack of overall scheme for the area motivated the students to look at the intersection area as the point for connecting the four sectors divided by Hervannan vallaväylä and Sammon valtatie.

The second individual part of the assignment consisted of designing additional floors to an existing residential building next to the Hakametsä ice hockey rink. The work aimed at creating appealing typological solutions for attractive in-fill architecture thus increasing the opportunities for densification of the 70s residential areas at large. The starting point for the design was the structural system developed in KORKO research project of the Tampere University of Technology. The research project delivered a concept for a prefabricated steel structure allowing fast and affordable assembly of prefabricated wooden housing modules. The objective of the course was to connect university education and research in a mutually benefiting way that is motivating for the students.

The results of the studio provided a comprehensive overview of different approaches to reshape the urban plan for more
sustainable city structure. The need for the new character of Hervannan valtaväylä became evident. Should the road be a main artery focusing on delivering the traffic flows, or, is it part of integrated city structure potentially lowering the speeds of vehicles and calling for improved lighttraffic conditions? The students’ works opened up a number of alternative perspectives – including engineering studies on sustainability issues. The Hakametsä area is a great potential for sustainable urban densification within the proximity of the city center, yet with a unique character making it a distinct and identifiable place.

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: Department of Civil Engineering, School of Architecture
Number of pages: 79
Publication date: 2015

Publication information
Publisher: Tampere University of Technology. School of Architecture
Original language: English
Electronic versions:
sustainable_design_studio_2014
Links:

Bibliographical note
ORG=rak,0.25
ORG=ark,0.75
Research output: Professional › Commissioned report

Tammerkoski ja Hämeenkatu Tampereen arkkitehtoonisen identiteetin ankkureina

General information
State: Published
Ministry of Education publication type: D2 Article in professional manuals or guides or professional information systems or textbook material
Organisations: School of Architecture
Authors: Koponen, O.
Number of pages: 8
Pages: 35-42
Publication date: 2015

Host publication Information
Title of host publication: Tampereen tarina : Teollisuuden synnyttämä kaupunki harjujen ja järvien solmukohdassa
Volume: Julkaisuja 5/2015
Place of publication: Kaupunki- ja arkkitehtuurin kehittäminen
Publisher: Tampereen kaupunki
Editor: Hautamäki, R.
ISBN (Print): 978-951-609-783-4

Publication series
Name: Tampereen kaupunki/Kaupunki- ja arkkitehtuurin kehittäminen
Publisher: Tampereen kaupunki
Volume: 5/2015
ISSN (Print): 1797-321X
Links:
Research output: Professional › Chapter

Taskinen yksissä kansissa

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Temporary Uses Producing Difference in Contemporary Urbanism

General information
State: Published
Ministry of Education publication type: D3 Professional conference proceedings
Organisations: School of Architecture, Research group: Built Environment in Transition, Research group: Urban Planning Theory, University of Turku
Authors: Lehtovuori, P., Ruoppila, S.
Number of pages: 18
Publication date: 2015

Host publication information
Title of host publication: Transience and permanence in urban development workshop, Sheffield 14.--15.1.2015
Place of publication: Sheffield, UK
Research output: Professional › Conference contribution

Unlikely similar – Forking paths and path-dependency in transportation studies of Helsinki and Melbourne

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture, Research group: EDGE, Curtin University
Authors: Joutsiniemi, A., Curtis, C.
Publication date: 2015

Host publication information
Title of host publication: Book of Proceedings : 29th Annual AESOP 2015 Congress, Definite Space – Fuzzy Responsibility
Links:
http://www.aesop2015.eu/
Research output: Scientific - peer-review › Conference contribution

Uusia tuulia Euroopasta

General information
State: Published
Ministry of Education publication type: D2 Article in professional manuals or guides or professional information systems or text book material
Organisations: School of Architecture, Research group: Built Environment in Transition, Research group: Urban Planning Theory
Authors: Lehtovuori, P.
Number of pages: 18
Pages: 42-59
Publication date: 2015
What makes a Place? Claiming Spaces for Informal and Social Learning

How to redesign an under-used secondary space into a lively social and informal learning space? Here, three case studies are compared to shed light on what spatial elements create a Place for learning. At many university premises informal learning spaces are often limited to libraries and social interactions to cafés. However, secondary spaces, such as halls and corridors, which are located in popular areas on campuses, have great potential when redesigned into novel social and informal learning spaces, which increases the efficiency of the spaces, too. The cases differ in design and development manners: two novel learning spaces created in a lobby, a renovation of a campus café and co-created learning spaces in an academic library. The cases offer practical implications and elements on how to create new learning spaces successfully. Common for all these cases is the positive feedback produced by a pleasant, uplifted environment. These realized cases suggest that relatively small, acupuncture-like changes to existing spaces can create a relatively big impact.

Jaetut tilat joustavan asumisen mahdollistajana

The changing lifestyles and ways of living, as well as demographic changes require flexibility in housing. This thesis deals with flexible housing that is enabled through the possibilities of shared spaces. Shared space is a common space shared by two or more dwellings, but which does not necessarily have to be used simultaneously. The potential that lies in shared spaces have not really taken into consideration on the field of study or practice. The research of flexible housing has mainly focused on private homes and their internal flexibility while the concept of sharing spaces hasn’t very strongly come up. In realized projects these kind of spaces have been so far used mainly in housing that is designed only for special user groups. However, there are many various ways to benefit from the use of shared spaces. Therefore, the subject is worth looking into when studying flexible housing.

Flexible housing and its implementation methods are mapped by studying the related research literature. The base for the
The development of the concepts is formed by studying and analyzing the features and benefits of shared spaces. The formed menu of the features is a tool that can be used in flexible housing projects, that wish to take advantage of shared facilities. Five design concepts are formed by combining the features of shared spaces in various ways. For each concept a plan application will also be implemented. The flexibility of the designs is displayed with residential stories, that show the relation between the design and changes in people’s life situations and needs. By means of design applications and residential stories it is proved that shared spaces are one way to achieve flexible housing and respond to people’s changing needs and lifestyles.

General information
State: Published
Ministry of Education publication type: G2 Master's thesis, polytechnic Master's thesis
Organisations: School of Architecture
Authors: Iida, H.
Number of pages: 83
Publication date: 8 Oct 2014

Publication information
Publisher: Tampereen teknillinen yliopisto. Arkkitehtuurin laitos
Original language: Finnish

Publication series
Name: Tampereen teknillinen yliopisto. Arkkitehtuurin laitos. Asuntosuunnittelu. Julkaisu
Volume: 15
ISSN (Print): 2242-4598

Asemanseudut solmukohtina: Kehittämisen pullonkauloja ja mahdollisuuksia

General information
State: Published
Ministry of Education publication type: D3 Professional conference proceedings
Organisations: School of Architecture, Research group: Urban Laboratory
Authors: Hynynen, A., Kolehmainen, J.
Publication date: 23 Sep 2014

Host publication information
Title of host publication: XVI Kaupunkifoorumi Hämeenlinnassa 23.-24.9.2014
Publisher: Työ- ja elinkeinoministeriö
Links:
http://www.tem.fi/kaupunkifoorum2014
Research output: Professional › Conference contribution


General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Authors: Lehtovuori, P.
Number of pages: 3
Pages: 77-79
Publication date: 2014
Peer-reviewed: No

Publication information
Journal: Yhdyskuntasuunnittelu
Volume: 52
Issue number: 2
A Deep Organic Re-reading of Alvar Aalto’s Design Approach

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Hynynen, A.
Number of pages: 12
Pages: 28-39
Publication date: 2014

Host publication information

Publication series
Name: University of Oulu, Department of Architecture, Publications
No.: A61
ISSN (Print): 0357-8704
Links:
http://ojs.tsv.fi/index.php/atut/

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2015-02-20
Source: researchoutputwizard
Source-ID: 909
Research output: Scientific › Article

Arkkitehtuuri polttopisteessä

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Lehtovuori, P.
Pages: 3-3
Publication date: 2014
Peer-reviewed: Unknown

Publication information
Journal: Arkkitehttiutiset
Volume: 66
Issue number: 10
ISSN (Print): 0044-8915
Asemanseudut kaupunkikehittämisen keskiössä, Loppuraportti, MAL-verkoston työpaja 14.5.2014, Scandic Tampere Station

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Authors: Hynynen, A., Kolehmainen, J.
Number of pages: 14
Publication date: 2014

Publication information
Publisher: Tampereen teknillinen yliopisto; Tampereen yliopisto
Original language: Finnish
Links:

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2015-01-12
Source: researchoutputwizard
Source-ID: 530
Research output: Professional › Commissioned report

Asumisen katselmus : Housing Fair by the Lakeside

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Lehtovuori, P.
Number of pages: 3
Pages: 79-81
Publication date: 2014
Peer-reviewed: Unknown

Publication information
Journal: Arkkitehti
Issue number: 4
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: English

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2015-01-09
Source: researchoutputwizard
Source-ID: 911
Research output: Professional › Article

Globally, a scientific conference that focuses specifically on architectural research is a rarity. Finland has been a pioneer in foregrounding architects' knowledge and their ways of knowing. The Annual Symposium of Architectural Research, organized by Aalto University, Tampere University of Technology, University of Oulu and the Finnish Association of Architects, has established itself as a key forum of knowledge exchange, debate and brainstorming. In August 2013, the 5th Symposium was organized in Tampere. The theme was "Architecture and Resilience", in Finnish "Notkea arkkitehtuur". The Symposium was successful, bringing together 45 papers and presentations by scholars in architecture, urban design, planning and urban studies from around the world. This Proceedings Book presents a representative collection of the conference papers, peer-reviewed by the Scientific Committee. Its chapters mirror the tracks of the conference. When preparing the Symposium, we realized that the theme of resilience is very topical in architecture and urbanism. Clearly, the constantly changing urbaniy warrants a revision of theories, methods, design applications and professional cultures. A systemic transition of our society and space is underway. Starting from these broad notions, we collectively engaged in multiple discussions to find out why resilience is important, how to study it, and what in our discourse is meant by “resilience” in the first place. The participants explored the current state of architecture and urbanism and their potential to shape the future. The complex and relational nature of this potential became evident. How should we tackle the complex, interlinked and inter-scalar social, spatial, natural and economic networks in constant flux? How to operationalize the links between architecture and the resilience of urban systems? What are the exemplary cases and projects? The papers by researchers and practitioners in architecture, urban design, planning, geography, social sciences, ecology and other fields approached these questions in various ways: from history to contemporary and future challenges, from the role of architects to urban evolution and permanence in change.
Children and youth transport in different urban morphological types

As demonstrated in many earlier studies, the qualities of physical environment have great impacts on physical activity behavior. However, studying individual built environmental variables often produces contradictory effects between studies. To overcome this, we composed multivariate environmental types using principal component analysis that take notice of the inter-correlations between the physical environmental variables. To get a realistic view of the places children and adolescents visit in their daily life, we used mapping methodology where children themselves defined their important places. Based on 16 built environmental variables, six built environmental types were composed around these places.

We found that walking and cycling was most prominent in residential environments and least common in (central) business districts. Commercial environments as well as green environments had the highest proportions of car use. Most places, in general, were visited with friends, but most typically, commercial environments and (central) business districts were reached in the company of friends. Relatively many places were visited alone in residential areas.

City of Boulevards or City of Malls? Urban Transport Infrastructure Retrofits Are Urban Landscape in Helsinki and Tampere

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Hämäläinen, T., Lehtovuori, P.
Eliel Saarinen ja korkean rakentamisen ristiriita

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture
Authors: Chudoba, M.
Number of pages: 16
Pages: 13-28
Publication date: 2014
Peer-reviewed: Yes

Publication information
Journal: Yhdyskuntasuunnittelu
Volume: 52
Issue number: 1
ISSN (Print): 1459-6806
Ratings:
Publication Forum (2017): 1
Publication Forum (2016): 1
Publication Forum (2015): 1
Publication Forum (2014): 1
Publication Forum (2013): 1
Original language: Finnish

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2014-12-30
Source: researchoutputwizard
Source-ID: 232
Research output: Scientific - peer-review › Article

Empathy in Architecture

General information
State: Published
Ministry of Education publication type: B3 Non-refereed article in conference proceedings
Organisations: School of Architecture
Authors: Hedman, M.
Number of pages: 2
Publication date: 2014

Host publication information
Title of host publication: Landscape Accessibility, Landscape Accessibility International Workshop - Milazzo 2014
Publisher: ARACNE
Editor: Morabito, V.

Publication series
Name: Intelligent landscape
No.: 3
Finnish Building Stock: Does Urban Shrinkage Equal Demolition?

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Huuhka, S.
Number of pages: 156
Pages: 64-71
Publication date: 2014

Host publication information
Title of host publication: ATUT Proceedings, 5th Annual Symposium of Architectural Research, ARCHITECTURE AND RESILIENCE, August 28-30, 2013 Tampere, Finland
Place of publication: Tampere
Publisher: Tampere University of Technology, School of Architecture
Editors: Chudoba, M., Joachimiak, M., Laak, M., Lehtovuori, P., Partanen, J., Rantanen, A., Siter, N.
Links:

Fraktaalit alueellisuuden perustaa murentamassa

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture, Research group: EDGE
Authors: Joutsiniemi, A.
Publication date: 2014
Peer-reviewed: Yes

Publication information
Journal: Yhdyskuntasuunnittelu
Volume: 52
Issue number: 4
ISSN (Print): 1459-6806
Ratings:
Publication Forum (2017): 1
Publication Forum (2016): 1
Publication Forum (2015): 1
Publication Forum (2014): 1
Publication Forum (2013): 1
Publication Forum (2012): 1
Original language: Finnish
Links:
http://www.yss.fi/journal/fraktaalit-alueellisuuden-perustaa-murentamassa/
Research output: Scientific - peer-review › Literature review
Future-oriented building stock studies and the significance of values: addressing demolition behaviour with the Delphi method

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Huuhka, S.
Number of pages: 8
Pages: 56-63
Publication date: 2014

Host publication information
Publisher: Delft University of Technology, DCMat Ageing Centre
Editors: van Breugel, K., Koenders, E.
ISBN (Print): 978-94-6186-314-0

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2014-12-30<br/>Publisher name: Delft University of Technology, DCMat Ageing Centre
Source: researchoutputwizard
Source-ID: 522
Research output: Scientific - peer-review › Conference contribution

HIMMELI for comprehensive transport planning and development planning

General information
State: Published
Ministry of Education publication type: B3 Non-refereed article in conference proceedings
Organisations: School of Architecture
Authors: Iltanen, S., Joutsiniemi, A., Kanninen, V., Mäntysalo, R., Syrman, S.
Number of pages: 6
Pages: 47-52
Publication date: 2014

Host publication information
Title of host publication: COST Action TU1002 - Assessing Usability of Accessibility Instruments
Publisher: COST Office
Editors: Brömmelstroet, M. T., Silva, C., Bertolini, L.
ISBN (Print): 978-90-9028212-1
Links:
http://www.accessibilityplanning.eu/reports/report-2/

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2015-01-09
Source: researchoutputwizard
Source-ID: 535
Research output: Scientific › Conference contribution

Huippupuhujia Arkkitehtuurrivikolla

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Lehtovuori, P.
Number of pages: 2
Pages: 16-17
Publication date: 2014
Peer-reviewed: Unknown

Publication information
Interactive and Engaging Social Learning Spaces for Collaboration

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Poutanen, J., Syvänen, A., Frydenberg, M., Turunen, M., Walton, G.
Number of pages: 6
Pages: 1429-1434
Publication date: 2014

Host publication information
Title of host publication: Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications; EdMedia 2014, World conference on educational Media and Technology, Dates: June 23 - 26, 2014, Location: Tampere, Finland
Publisher: Association for the Advancement of Computing in Education (AACE)
ISBN (Electronic): 978-1-939797-08-7

Publication series
Name: World Conference on Educational Multimedia, Hypermedia and Telecommunications
Volume: 2014
No.: 1
Links:
http://www.editlib.org/p/147672/
http://www.editlib.org/j/EDMEDIA/v/2014/n/1/

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>
Portfolio EDEND: 2015-01-11
Publisher name: Association for the Advancement of Computing in Education (AACE)
Source: researchoutputwizard
Source-ID: 1299
Research output: Scientific - peer-review › Conference contribution

Kastellin monitoimitalo Oulu, Prointerior 4/2014

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture, Research group: Architecture: History, Theory and Innovations
Authors: Lahdelma, I.
Publication date: 2014

Event information
Research output: Solo art production › Architecture

Kastellin monitoimitalo Oulu / Projektiuutiset 4/2014

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture, Research group: Architecture: History, Theory and Innovations
Authors: Lahdelma, I.
Publication date: 2014
Kehitysvammaisten asuminen uudistuu

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Helamaa, A.
Number of pages: 3
Pages: 4-6
Publication date: 2014
Peer-reviewed: Unknown

Publication information
Journal: Araviesti
Issue number: 2
ISSN (Print): 1457-8093
Original language: Finnish
Links:
http://www.ara.fi

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2014-12-30
Source: researchoutputwizard
Source-ID: 446
Research output: Professional › Article

Kohti kestävää Skanssia

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Authors: Laak, M. (ed.), Del Barrio Batista, J. (ed.)
Number of pages: 87
Publication date: 2014

Publication information
Publisher: Tampereen teknillinen yliopisto. Arkkitehtuurin laitos
Original language: Finnish
Electronic versions: kohti_kestavaa_skanssia
Links:
Research output: Professional › Commissioned report

Kuinka tehdään kaupunkia kaupunkiin

General information
State: Published
Ministry of Education publication type: E1 Popularised article, newspaper article
Organisations: School of Architecture
Authors: Hyyninen, A.
Number of pages: 1
Publication date: 2014
Omannäköistä asumista: Visioita kehitysvammaisten asumiseen

Käsillä oleva kirja tarjoaa ajankohtaisen katsauksen yksilöllisemmän asumisen mahdollisuuksista sekä visioita erityistä tukea tarvitelevien asuntojen ja asuinymääräisten kehittämiseen. Kyseessä on Tampereen teknillisen yliopiston arkkitehtuurin laitoksella suunnittelukurssina toteutetun KEHASU – kehitysvammaisten uusien asumisratkaisujen suunnittelu -hankkeen yhteenveto. Kirja on koottu kurssilla laadituista opiskelijatöistä.
Orimattilan Henna

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Authors: Laak, M. (ed.)
Number of pages: 89
Publication date: 2014

Publication information
Publisher: Tampereen teknillinen yliopisto. Arkkitehtuurin laitos
Original language: Finnish
Electronic versions:
orimattilan_henna
Links:
Research output: Professional › Commissioned report

Peukuttelevaa osallistumista ja ilon kautta suunnittelu

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture, Research group: EDGE
Authors: Joutsiniemi, A.
Publication date: 2014
Peer-reviewed: Yes

Publication information
Journal: Yhdyskuntasuunnittelu
Volume: 52
Issue number: 1
ISSN (Print): 1459-6806
Ratings:
Publication Forum (2017): 1
Publication Forum (2016): 1
Plentaloa paremp? Better than an individual small house?

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Kotilainen, S., Hedman, M.
Pages: 48-51
Publication date: 2014
Peer-reviewed: Unknown

Publication information
Journal: Puu
Issue number: 3
Original language: Finnish
Links:
http://www.puuinfo.fi/puulehti/puu-lehti-32014

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2015-01-11
Source: researchoutputwizard
Source-ID: 798
Research output: Professional › Article

Pop-Up Spaces: From Prototyping to a Method of Revealing User-Attitudes

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Poutanen, J.
Number of pages: 11
Pages: 13-23
Publication date: 2014

Host publication information
Title of host publication: ATUT Proceedings, 5th Annual Symposium of Architectural Research, ARCHITECTURE AND RESILIENCE, August 28-30, 2013 Tampere, Finland
Place of publication: Tampere
Publisher: Tampere University of Technology, School of Architecture
Editors: Chudoba, M., Joachimiak, M., Laak, M., Lehtovuori, P., Partanen, J., Rantanen, A., Siter, N.
Links:

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2015-01-26<br/>Publisher name: Tampere University of Technology, School of Architecture
Source: researchoutputwizard
Source-ID: 1297
Research output: Scientific - peer-review › Conference contribution
Potential and barriers for reusing load-bearing building components in Finland

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Huuhka, S., Hakanen, J. H.
Pages: 1-9
Publication date: 2014

Host publication information
Title of host publication: 40th IAHS World Congress on Housing, Sustainable Housing Construction Proceedings, December 16-19, 2014, Funchal, Portugal
Publisher: ITeCons
Editors: Tadeu, A., Ural, D., Ural, O., Abrantes, V.
ISBN (Print): 978-989-98949-1-4

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2015-01-12<br/>Publisher name: ITeCons
Source: researchoutputwizard
Source-ID: 524
Research output: Scientific - peer-review › Conference contribution

Public spaces, experience and conflict: The Cases of Helsinki and Tallinn

General information
State: Published
Ministry of Education publication type: A3 Part of a book or another research book
Authors: Lehtovuori, P., Kurg, A., Schwab, M., Ermert, S.
Number of pages: 23
Pages: 125-143
Publication date: 2014

Host publication information
Title of host publication: Public Space and Relational Perspectives : New Challenges for Architecture and Planning
Publisher: Routledge
Editors: Tornaghi, C., Knierbein, S.

Publication series
Name: Routledge Research in Planning and Urban Design
Publisher: Routledge
Links:
http://www.routledge.com/books/details/9780415821575/

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2015-01-15
Source: researchoutputwizard
Source-ID: 21
Research output: Scientific - peer-review › Chapter

Puu, tulevaisuuden materiaali

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture, Research group: Urban Laboratory
 Authors: Panu, A.
Number of pages: 2
Pages: 14-15
SmartStation: Kohti älykästä asemanseutujen kehittämistä

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture, Research group: Urban Laboratory, University of Tampere
Authors: Hynynen, A., Kolehmainen, J., Ruokolainen, O., Vanhatalo, J.
Number of pages: 51
Publication date: 2014

Publication information
Place of publication: Seinäjoki
Publisher: The City of Seinäjoki
ISBN (Print): 978-952-68291-0-4
ISBN (Electronic): 978-952-68291-1-1
Original language: Finnish
Links:
http://www.smartstation.fi/site/_files/SmartStation-loppuraportti.pdf
Research output: Professional › Commissioned report

Suomen aluerakenteen ja liikennejärjestelmän kehityksuva : Ennakointiteemojen ja tulevaisuuskuvien alueelliset näkökulmat. Osaraportti 2

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: Department of Information Management and Logistics, Research group: Urban Laboratory, Suomen ympäristökeskus SYKE - Finnish Environment Institute, Department of Information Management and Logistics, University of Eastern Finland, Turun yliopisto
Authors: Kalenoja, H., Rissanen, R., Hynynen, A., Rehunen, A., Ahonen, O., Mäkelä, T., Pöllänen, M., Palonen, T., Rantanen, A., Hirvonen, T., Tapio, P.
Number of pages: 100
Publication date: 2014

Publication information
Place of publication: Helsinki
Publisher: Ympäristöministeriö
ISBN (Print): 978-952-11-4266-6
Original language: Finnish
Links:

Bibliographical note
Suomeen aluerakenteen ja liikennejärjestelmän kehityksuva (ALLI)<br>Contribution: organisation=tlo,FACT1=0.6<br>Contribution: organisation=ark,FACT2=0.4<br>Portfolio EDEND: 2014-12-30<br>Publisher name: Ympäristöministeriö
Source: researchoutputwizard
Source-ID: 638
Research output: Professional › Commissioned report

Systemic Sustainability and Emerging Diversity of Shopping Concepts in Urban Multi-Agent Networks

General information
State: Published
Towards a sustainable Skanssi

Course publication. The publication contains course works submitted for the Sustainable Design Studio 2013 which concentrate on the future development of the Skanssi area in Turku. For the publication six student groups’ analyses and structure & masterplan – proposals have been gathered. In addition to that, selected individual works by 12 students are shown in this publication. Furthermore this publication contains a green roof and storm water management analysis and an environmental and landscape management proposal for the new residential areas.

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Authors: Laak, M. (ed.), Del Barrio Batista, J. (ed.)
Number of pages: 87
Publication date: 2014

Publication information
Publisher: Tampere University of Technology, School of Architecture
Original language: English
Electronic versions:
towards_a_sustainable_skanssi
Links:

Bibliographical note
AUX=ark, “Del Barrio Batista, Juan”
Versio ok 14.12.2015
Research output: Professional › Commissioned report

Uutta arkkitehtuuria kuntien tilahallintaan. Loppuraportti
Vanha puusta uutta arkkitehtuuria / New architecture from old wood

Well-being Architecture in Academic Workplace
**Where Do you Start to Design a Dwelling?**

**General information**
State: Published
Organisations: School of Architecture
Authors: Kotilainen, S.
Number of pages: 2
Publication date: 2014

**Host publication information**
Title of host publication: Landscape Accessibility, Landscape Accessibility International Workshop - Milazzo 2014
Publisher: ARACNE
Editor: Morabito, V.

**Publication series**
Name: Intelligent landscape
No.: 3

**Bibliographical note**
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2014-12-30<br/>Publisher name: ARACNE
Source-ID: 797
Research output: Scientific › Other chapter contribution

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**Yhdessä**

**General information**
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Helamaa, A.
Number of pages: 10
Pages: 18-27
Publication date: 2014
Peer-reviewed: Unknown

**Publication information**
Journal: Arkitehti
Issue number: 4
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
A Designed Third Place as Social Learning Space in Higher Education - Case Motivaattori

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Poutanen, J.
Number of pages: 10
Pages: 688-697
Publication date: 2013

Host publication information
Publisher: IATED
ISBN (Print): 978-84-616-2661-8
Links:
http://www.inted2013.org

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2014-10-08<br/>Publisher name: iated
Source: researchoutputwizard
Source-ID: 3179
Research output: Scientific - peer-review › Conference contribution

Aidot vanhat & kopiot

General information
State: Published
Ministry of Education publication type: E1 Popularised article, newspaper article
Organisations: School of Architecture
Authors: Saatsi, P.
Number of pages: 6
Pages: 48-53
Publication date: 2013
Peer-reviewed: Unknown

Publication information
Journal: Glorian antiikki
Issue number: 3
ISSN (Print): 1238-5654
Original language: Finnish
Alvar Aalto’s Abstract Paintings and His Quest for Expressive Forms

General information
State: Published
Ministry of Education publication type: B3 Non-refereed article in conference proceedings
Organisations: School of Architecture
Authors: Hirvonen, T.
Number of pages: 14
Pages: 81-94
Publication date: 2013

Host publication information
Title of host publication: Creativity, autonomy, function in architecture, Archtheo ´13, Conference Proceedings, December 4-6, 2013, Mimar Sinan Fine Arts University
Place of publication: Istanbul
Publisher: Mimar Sinan Guzel Sanatlar Universitesi
Editors: Catak, N., Duyan, E.
ISBN (Print): 978-975-6264-97-3

Publication series
Name: Theory of Architecture Conference

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-12-29<br/>Publisher name: Mimar Sinan Guzel Sanatlar Universitesi
Source: researchoutputwizard
Source-ID: 2311
Research output: Scientific › Conference contribution

Annikin puutalokorttel - uusi elämä asukasvetoisesti

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Helamaa, A.
Number of pages: 4
Pages: 32-35
Publication date: 2013
Peer-reviewed: Unknown

Publication information
Journal: RY Rakennettu ympäristö
Volume: 50
Issue number: 1
ISSN (Print): 1457-9510
Original language: Finnish

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-12-29<br/>Publisher name: Rakennustarkasturyhdistys RTY ry; Rakennustietosäätiö RTS
Source: researchoutputwizard
Source-ID: 2283
Research output: Professional › Article

Arkkitieteitä neurotieteiden valossa
General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Tuunanen, A.
Number of pages: 2
Pages: 22-23
Publication date: 2013
Peer-reviewed: Unknown

Publication information
Journal: Arkkitehtiuutiset
Volume: 65
Issue number: 6-7
ISSN (Print): 0044-8915
Original language: Finnish

Bibliographical note
Poistettu tupla r=4762<br/>Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-10-29<br/>Publisher name: Suomen Arkkitehtiliitto
Source: researchoutputwizard
Source-ID: 3592
Research output: Professional › Article

Arkkitehtuuri in Moduulirakentaminen: Teräskennoteknologian mahdollisuudet

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Authors: Kotilainen, S., Hedman, M.
Number of pages: 16
Publication date: 2013

Publication information
Place of publication: Tampere
Publisher: Tampereen Teknillinen Yliopisto
ISBN (Print): 978-952-15-3035-7
Original language: Finnish

Publication series
Name: Tampereen teknillinen yliopisto. Rakennustekniikan laitos. Rakennustuotanto ja -talous. Raportti
Publisher: Tampereen teknillinen yliopisto
Volume: 14
ISSN (Print): 1797-8904
Links:

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-12-29
Source: researchoutputwizard
Source-ID: 2635
Research output: Professional › Commissioned report

Arkkitehtuuri ja kulttuurijournalismin kokeilukenttä

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Tuunanen, A.
Number of pages: 2
Pages: 16-17
Publication date: 2013
Can the new cosmology, cosmogenesis, serve as a basis for a shared value system in architecture? On Charles Jencks

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture
Authors: Passinmäki, P.
Number of pages: 5
Pages: 19-23
Publication date: 2013
Peer-reviewed: Yes

Publication information
Journal: ARQ-Architectural Research Quarterly
Volume: 17
Issue number: 1
ISSN (Print): 1359-1355
Ratings:
Publication Forum (2017): 0
Scopus rating (2016): 0.114 0.136
Publication Forum (2016): 0
Scopus rating (2015): 0.1 0.21
Publication Forum (2015): 0
Scopus rating (2014): 0.146 0.298
Scopus rating (2013): 0.112 0.128
Scopus rating (2012): 0.121 0.105
Scopus rating (2011): 0.14 0.257
Scopus rating (2010): 0.1 0.089
Scopus rating (2009): 0.1 0.0
Scopus rating (2008): 0.1 0.0
Scopus rating (2007): 0.1 0.0
Scopus rating (2006): 0.1 0.0
Scopus rating (2005): 0.11 0.0
Scopus rating (2004): 0.1 0.0
Scopus rating (2003): 0.1 0.0
Scopus rating (2002): 0.1 0.0
Scopus rating (2001): 0.1 0.0
Scopus rating (2000): 0.1 0.241
Scopus rating (1999): 0.143 0.311
Original language: English
DOIs:
10.1017/S1359135513000316

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-12-29<br/>Publisher name: Cambridge University Press
Source: researchoutputwizard
Source-ID: 3103
Research output: Scientific - peer-review › Article

Erityisiä asumisratkaisuja

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Hedman, M., Sanaksenaho, P.
Number of pages: 3
Pages: 30-32
Publication date: 2013
Peer-reviewed: Unknown

Publication information
Journal: Arkkitehtiuutiset
Volume: 65
Issue number: 4
ISSN (Print): 0044-8915
Original language: Finnish

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-10-29
Source: researchoutputwizard
Source-ID: 2256
Research output: Professional › Article

From momentary to historic: Rhythms in the social production of urban space, the case of Calcada de Sant'Ana, Lisbon

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture, Institute of Society and Space (SOCIS)
Authors: Lehtovuori, P., Koskela, H.
Pages: 124-143
Publication date: 2013
Peer-reviewed: Yes

Publication information
Journal: Sociological Review
Volume: 61
Issue number: Suppl. 1
ISSN (Print): 0038-0261
Ratings:
Publication Forum (2017): 2
Scopus rating (2016): 0.952 1.309
Publication Forum (2016): 2
Scopus rating (2015): 0.928 1.305
Web of Science (2015): 1.102 1.491 >10.0 0.152 0.00294 0.712
Kaupungista välittäminen : reitityksiä kohti urbaania mannerta

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture
Authors: Lehtovuori, P.
Number of pages: 10
Pages: 111-120
Publication date: 2013

Host publication information
Title of host publication: Matkalla : Professori Pauli Tapani Karjalaisen 60-vuotisjuhlakirja
Place of publication: Oulu
Publisher: Anssi Paasi
Editors: Paasi, A., Rannila, P., Tani, S.

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-12-29<br/>Source: researchoutputwizard
Source-ID: 2757
Research output: Scientific › Chapter

Kaupunkimaisuuden näkökulma

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Lehtovuori, P.
Number of pages: 4
Pages: 46-49
Publication date: 2013
Peer-reviewed: Unknown

Publication information
Journal: Arkkitehti
Issue number: 6
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: Finnish

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-12-29<br/>Publisher name: Suomen Arkkitehtiliitto
Source: researchoutputwizard
Source-ID: 2758
Research output: Professional › Article


General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Authors: Chudoba, M.
Number of pages: 3
Kolme tapaa korjata lähiökerrostalo : Three ways to renovate neighbourhood units

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Huuhka, S.
Number of pages: 3
Pages: 68-70
Publication date: 2013
Peer-reviewed: Unknown

Publication information
Journal: Arkkitehti
Volume: 110
Issue number: 3
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: Finnish

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-10-29<br/>Publisher name: Suomen Arkkitehtiliitto
Source: researchoutputwizard
Source-ID: 2354
Research output: Professional › Article

Kymppi tools for MapInfo: http://www.jyvaskyla.fi/kymppimonikiymppir_tools

General information
State: Published
Ministry of Education publication type: I2 ICT software
Organisations: School of Architecture
Authors: Joutsiniemi, A., Vanhatalo, J.
Publication date: 2013

Event information
Media of output: Online

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-12-29
Source: researchoutputwizard
Source-ID: 2432
Research output: Scientific › Software

Lapsia liikuttava kaupunki

General information
State: Published
Ministry of Education publication type: A3 Part of a book or another research book
Organisations: School of Architecture
Authors: Hynynen, A., Kyttä, M., Vasankari, T., Aittasalo, M., Broberg, A., Sarjala, S.
Liikennesunnittelun James Bond / The James Bond of traffic planning : Pentti Murole: Ihmistä ei voi suunnitella - kiveä voi!
: Arkkitehtutoimisto B&M, 2012. 478 s

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Lehtovuori, P.
Number of pages: 2
Pages: 84-85
Publication date: 2013
Peer-reviewed: Unknown

Publication information
Journal: Arkkitehti
Issue number: 1
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: Finnish

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-12-29
Source: researchoutputwizard
Source-ID: 2760
Research output: Professional › Article

Mitattu, mallinnettu ja koettu lämpöviihtyvyys toimistohuoneessa

General information
State: Published
Ministry of Education publication type: B3 Non-refereed article in conference proceedings
Organisations: School of Architecture
Number of pages: 5
Pages: 259-264
Publication date: 2013

Host publication information
Title of host publication: Sisäilmastoseminaari 2013, Messukuskus, Helsinki 13.3.2013
Editors: Säteri, J., Backman, H.

Publication series
Name: SIY Raportti
Mitä peetä? : (Wisa Majamaa: The 4th P – people – in urban development based on Public-Private-People partnership ja Matti Kuronen: The role of partnerships in sustainable urban residential development.)

General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Authors: Joutsiniemi, A.
Number of pages: 4
Pages: 67-70
Publication date: 2013
Peer-reviewed: No

Publication information
Journal: Yhdyskuntasuunnittelu
Volume: 51
Issue number: 1
ISSN (Print): 1459-6806
Ratings:
Publication Forum (2017): 1
Publication Forum (2016): 1
Publication Forum (2015): 1
Publication Forum (2014): 1
Publication Forum (2013): 1
Publication Forum (2012): 1
Original language: Finnish

Bibliographical note

Moduulirakentaminen. Ratkaisumalleja tulevaisuuden asuntorakentamiseen haasteisiin
Partial dismantling of 1960's to 80's housing estates - a sustainable holistic solution

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture, Life Cycle Effectiveness of the Built Environment (LCE@BE)
Authors: Huuhka, S.
Number of pages: 9
Pages: 1031-1039
Publication date: 2013

Host publication information
Editor: Cruz, P. J.
ISBN (Print): 978-0-415-66195-9
ISBN (Electronic): 978-0-203-79856-0

Publication series
Name: International Conference on Structures and Architecture

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-11-29
Source: researchoutputwizard
Source-ID: 2312
Research output: Professional » Commissioned report
Participatory Design when Renovating Premises - Process and Methods

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Ruohomäki, V., Lahtinen, M., Joutsiniemi, A.
Number of pages: 6
Pages: 1-6
Publication date: 2013

Host publication information
ISBN (Print): 978-9979-72-397-4

Publication series
Name: Annual Conference of the Nordic Ergonomics Society
Links:
http://www.nes2013.is

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-12-29
Source: researchoutputwizard
Source-ID: 3295
Research output: Scientific - peer-review › Conference contribution

Patina herättää tunteita

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture
Authors: Kalakoski, I.
Pages: 122-124
Publication date: 2013

Host publication information
Title of host publication: Kulttuuriympäristön monet kasvot : puhetta suojelusta ja restauroinnista
Place of publication: Helsinki
Publisher: Suomenlinnan hoitokunta
Editor: Perkkiö, M.
ISBN (Print): 978-951-9437-40-8

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-11-29
Source: researchoutputwizard
Source-ID: 2458
Research output: Scientific › Chapter

Perinteisten ikkunoiden tiivistysvaihtoehtojen tutkiminen ilmanpitävyysmittauksin

General information
State: Published
Ministry of Education publication type: B3 Non-refereed article in conference proceedings
Organisations: Department of Civil Engineering, School of Architecture
Authors: Aaltonen, A., Saatsi, P., Vinha, J.
Number of pages: 6
Pages: 367-372
Publication date: 2013
Suunnitelmallista hajaannusta

General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Authors: Joutsiniemi, A.
Pages: 4-7
Publication date: 2013
Peer-reviewed: No

Publication information
Journal: Yhdyskuntasuunnittelu
Volume: 51
Issue number: 2
ISSN (Print): 1459-6806
Ratings:
Publication Forum (2017): 1
Publication Forum (2016): 1
Publication Forum (2015): 1
Publication Forum (2014): 1
Publication Forum (2013): 1
Publication Forum (2012): 1
Original language: Finnish

Bibliographical note
Contribution: organisation=rak,FACT1=1<br/>Portfolio EDEND: 2013-12-29<br/>Publisher name: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka
Source: researchoutputwizard
Source-ID: 2429
Research output: Scientific › Article

Taidenäyttely aika ajast’aikaan: Naantalin taidehuone 21.5.-9.6.2013

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Soini, K.
Publication date: 2013

Event information
Media of output: Other

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-10-29
Tapaus Kummatti

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Hagan, H.
Number of pages: 2
Pages: 71-72
Publication date: 2013
Peer-reviewed: Unknown

Publication information
Journal: Arkkitehti
Volume: 110
Issue number: 3
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: Finnish

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-10-29<br/>Publisher name: Suomen Arkkitehtiliitto

The extended home: On design solutions for community oriented housing

General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Authors: Helamaa, A.
Number of pages: 15
Pages: 70-84
Publication date: 2013
Peer-reviewed: No

Publication information
Journal: Social Sciences Directory
Volume: 2
Issue number: 4
ISSN (Print): 2049-6869
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: English
DOIs:
10.7563/SSD_02_04_07

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-12-29<br/>Publisher name: Social Sciences Directory
The Extended Home: On design solutions for community oriented housing

General information
State: Published
Ministry of Education publication type: B3 Non-refereed article in conference proceedings
Organisations: School of Architecture
Authors: Helamaa, A.
Number of pages: 13
Pages: 378-391
Publication date: 2013

Host publication information
Publisher: The Findhorn Foundation
Editor: Meltzer, G.
ISBN (Electronic): 978-0-9926310-0-0

Publication series
Name: International Communal Studies Association Conference
Links:

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-12-29<br/>Publisher name: The Findhorn Foundation
Source: researchoutputwizard
Source-ID: 2285
Research output: Scientific › Conference contribution

The Non-Linear City

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Partanen, J.
Number of pages: 6
Pages: 112-117
Publication date: 2013

Host publication information
Title of host publication: 12th WSEAS International Conference on Non-linear Analysis, Non-linear Systems and Chaos (NOLASC '13), Lamesos, Cyprus, March 21-23 2013
Editors: Kanarachos, A., Mastorakis, N. E.
ISBN (Print): 978-1-61804-170-8

Publication series
Name: International Conference on Non-linear Analysis, Non-linear Systems and Chaos

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-11-29<br/>Source: researchoutputwizard
Source-ID: 3098
Research output: Scientific - peer-review › Conference contribution

The Trout, the Stream, and the Letting-be. Alvar Aalto’s Contribution to the Poetic Tradition of Architecture

General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Uusilla menetelmillä kiinni kokemukselliseen tietoon

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture
Authors: Santaoja, M., Leino, H., Chudoba, M., Bamberg, J., Nieminen, J.
Number of pages: 2
Pages: 1-3
Publication date: 2013
Peer-reviewed: Yes

Publication information
Journal: Versus
Volume: 4
Issue number: 1
ISSN (Print): 2242-3443
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: Finnish
Links:
http://www.ays.fi/versus/

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-12-29<br/>Publisher name: Alue- ja ympäristötutkimuksen seura ry.
Source: researchoutputwizard
Source-ID: 3361
Research output: Scientific - peer-review › Article

Villa Ornäsin 7 opetusta

General information
State: Published
Ministry of Education publication type: E1 Popularised article, newspaper article
Organisations: School of Architecture
Authors: Saatsi, P.
Number of pages: 5
Pages: 42-46
Publication date: 2013
Peer-reviewed: Unknown

Publication information
Journal: Glorian antiikki
Issue number: 3
ISSN (Print): 1238-5654
Original language: Finnish

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-10-29<br/>Publisher name: Sanoma Magazines Finland Corporation
Source: researchoutputwizard
Source-ID: 3331
Research output: General public › Article
"Aika": Taidenäyttely Galleria Kapriisi, 17.10.-4.11.2012

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Soini, K.
Publication date: 2012

Event information
Media of output: Other
Links:
http://www.kaisasoini.fi

Arkkitehtuurivilkko innosti ammattilaisia ja maallikoita

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Chudoba, M.
Pages: 14-14
Publication date: 2012
Peer-reviewed: Unknown

Askeleita kohti yhteisöasumista : Selvitys yhteisöasumisen muodoista ja toteuttamisesta : MONIKKO-hanke : Moninaisten yhteisöllisten asuin- ja toimintaympäristöjen kehittämispilotit
**Publication information**
Journal: Yhdyskuntasuunnittelu
Volume: 50
Issue number: 1
ISSN (Print): 1459-6806
Ratings:
Publication Forum (2017): 1
Publication Forum (2016): 1
Publication Forum (2015): 1
Publication Forum (2014): 1
Publication Forum (2013): 1
Publication Forum (2012): 1
Original language: Finnish

**Bibliographical note**
Contribution: organisation=ark ars,FACT1=1
Publisher name: Yhdyskuntasuunnittelu-lehti
Source: researchoutputwizard
Source-ID: 4170
Research output: Scientific › Article

**General information**
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Pesonen, M.
Pages: 52-55
Publication date: 2012
Peer-reviewed: Unknown

**Publication information**
Journal: Betoni
Volume: 82
Issue number: 2
ISSN (Print): 1235-2136
Original language: Finnish

**Bibliographical note**
Contribution: organisation=ark ars,FACT1=1
Source: researchoutputwizard
Source-ID: 5058
Research output: Professional › Article

**Cellular Automata in Urban Spatial Modelling**

**General information**
State: Published
Ministry of Education publication type: A3 Part of a book or another research book
Organisations: School of Architecture
Authors: Iltanen, S.
Pages: 69-84
Publication date: 2012

**Host publication information**
Title of host publication: Agent-Based Models of Geographical Systems
Place of publication: Dordrecht
Publisher: Springer Netherlands
Editors: Heppenstall, A., Crooks, A., See, L., Batty, M.
ISBN (Print): 978-90-481-8926-7
Chinese Superblock: A Study and Design Tools for Sustainable Urban Development in China

The thesis studies Chinese superblock housing areas, which are exceptionally large and enclosed high-density residential areas. The superblock typology has been the main method for planning and constructing urban housing in China during the past three decades of rapid urbanization. After the Chinese economy opened up in 1978, Chinese-Western co-operation in Chinese projects has continuously increased. The co-operation is challenging due to very different cultural backgrounds. The thesis bridges the gap of the cross-cultural co-operation issues with a study approach respectful of cultural differences. The study enlightens the backgrounds of the superblock housing areas and analyses existing superblocks. The characteristics of the blocks are further explained from a Chinese perspective, through the Chinese culture. The study defines main challenges in relation to sustainable development issues. The superblock housing areas lack in human scale, and diversity of both the built form and the non-built areas. The environments prohibit pedestrianism and poorly meet the needs of contemporary Chinese urban life. Practical design tools have been created from the basis of the study to overcome the challenges. The design tools combine essential Chinese characteristics with two Western sustainable planning theories. The design concepts form a basis to start planning for sustainable urban housing in China.

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Authors: Nieminen, S.
Number of pages: 96
Publication date: 2012

Publication information
Publisher: Tampere University of Technology
Original language: English

Publication series
Name: Tampere University of Technology. School of Architecture. Housing Design. Publication
Publisher: Tampere University of Technology
No.: 3
ISSN (Print): 2242-4598
Electronic versions: nieminen.pdf

Bibliographical note
Contribution: organisation=ark ars,FACT1=1
Source: researchoutputwizard
Source-ID: 4918
Research output: Professional › Commissioned report


General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Koponen, O.
Pages: 82-83
Publication date: 2012
Peer-reviewed: Unknown
Discussion on Accessibility Instruments

General information
State: Published
Ministry of Education publication type: A3 Part of a book or another research book
Organisations: School of Architecture
Authors: Hull, A., Papa, E., Silva, C., Joutsiniemi, A.
Pages: 205-238
Publication date: 2012

Host publication information
Title of host publication: Accessibility Instruments for Planning Practice
Place of publication: Brussels
Publisher: COST Office
Editors: Angela, H., Cecilia, S., Luca, B.
ISBN (Print): 978-989-20-3187-3
ISBN (Electronic): 978-989-20-3210-8
Links:

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Publisher name: Suomen Arkkitehtiliitto
Source: researchoutputwizard
Source-ID: 4524
Research output: Professional › Article

Dynaaminen simulaatiomalli

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture
Authors: Iltanen, S.
Pages: 21-31
Publication date: 2012

Host publication information
Title of host publication: Kestävät kauppapaikat verkostokaupungissa. Aalto-yliopiston julkaisusarja TIEDE + TEKNOLOGIA
Place of publication: Espoo
Publisher: Aalto-yliopisto. Insinööritieteiden korkeakoulu. Maankäyttötieteiden laitos. Yhdyskuntasuunnittelun tutkimus- ja koulutusryhmä YTK
Editors: Raine, M., Anssi, J., Suvi, N., Simo, S.
ISBN (Print): 978-952-60-4738-6
Links:
https://aaltodoc.aalto.fi/handle/123456789/4775

Exploring complex dynamics with a CA-based urban model

Heuristic three-level Instrument combining urban Morphology, Mobility, service Environments and Locational Information (HIMMELI)
The urbanization of Finland was based on suburbs of apartment buildings. Nearly half of the Finnish apartment houses were built in the 1960’s and 1970’s. These apartment houses were originally planned to be used only 30 years. 40 to 50 years time has passed and there are about half a million apartments like these in the need of different kind of technical repairs. Thus the moment of rehabilitation of the suburbs is now, at the latest. There lie possibilities in this large task of the built environment. As part of the international collaboration for mitigation of the climate change, Finland is committed to reduce its greenhouse gas emissions to a sustainable level. By 2050 80% is aimed to be cut off from the level of 1990’s. If suburbs are repaired to become even a little bit more energy-efficient and supportive to sustainable lifestyles, this action has meaning for these national aims merely due to the great amount of suburbs there are to be repaired. The culture of dwelling has changed in 40 years. We need different apartment sizes and types than before. The housing market is lacking many types of urban dwelling such as variations of detached houses in an urban environment. New housing types that are not available elsewhere can be developed in suburbs in pursuance of their renovation. Project ENTELKOR, i.e. "Energy efficient rehabilitation of suburbs of concrete element apartment buildings", has started to map these possibilities of suburb renewal by asking: What has not been explored so far? The search for new research subjects was combined to traditional long term research and development work. This gave birth to four themes: recycling, energy, ecosystem of the city and strategies.
Instituutien imemänä

General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Authors: Joutsiniemi, A.
Number of pages: 4
Pages: 4-7
Publication date: 2012
Peer-reviewed: No

Publication information
Journal: Yhdyskuntasuunnittelu
Volume: 50
Issue number: 3
ISSN (Print): 1459-6806
Ratings:
Publication Forum (2017): 1
Publication Forum (2016): 1
Publication Forum (2015): 1
Publication Forum (2014): 1
Publication Forum (2013): 1
Publication Forum (2012): 1
Original language: Finnish

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-12-29
Source: researchoutputwizard
Source-ID: 4361
Research output: Scientific › Article


General information
State: Published
Ministry of Education publication type: F3 Artistic part of a non-artistic publication
Organisations: School of Architecture
Authors: Lahdelma, I., Mahtamäki, R.
Publication date: 2012

Event information
Media of output: Other

Bibliographical note
Contribution: organisation=aht,FACT1=1
Source: researchoutputwizard
Source-ID: 4598
Research output: Art in non-art work › Architecture

Kansainvälinen mittausleiri, näyttely ja kyläkoulukinkeri

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture
Authors: Mattila, M.
Pages: 12-14
Katkaus betonilähiöiden korjausrakentamiseen Ruotsissa

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Huuhka, S.
Pages: 28-35
Publication date: 2012
Peer-reviewed: Unknown

Publication information
Journal: Betoni
Volume: 82
Issue number: 2
ISSN (Print): 1235-2136
Original language: Finnish
Links:

Bibliographical note
Contribution: organisation=ark ars,FACT1=1
Publisher name: Suomen betonitieto
Source: researchoutputwizard
Source-ID: 4272
Research output: Professional › Article

Kaupan typologinen evoluutio dynaamisissa monitoimijaisissa verkostoissa

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture
Authors: Rantanen, A.
Pages: 32-45
Publication date: 2012

Host publication information
Title of host publication: Kestävät kauppapaikat verkostokaupungissa. Aalto-yliopiston julkaisusarja TIEDE + TEKNOLOGIA
Place of publication: Espoo
Publisher: Aalto-yliopisto. Insinööritieteiden korkeakoulu. Maankäyttötieteiden laitos. Yhdyskuntasuunnittelun tutkimus- ja koulutusryhmä YTK
Editors: Raine, M., Anssi, J., Suvi, N., Simo, S.
ISBN (Print): 978-952-60-4738-6
Links:
https://aaltodoc.aalto.fi/handle/123456789/4775
Keskitehokas asuinrakentaminen - uudenlainen asuntorakentamisen konsepti

General information
State: Published
Ministry of Education publication type: C2 Edited books
Organisations: School of Architecture
Authors: Hedman, M. (ed.)
Number of pages: 201
Publication date: 2012

Publication information
Place of publication: Tampere
Publisher: Tampereen teknillinen yliopisto. Arkkitehtuurin laitos
Original language: Finnish

Publication series
Name: Tampereen teknillinen yliopisto. Arkkitehtuurin laitos. Asuntosuunnittelu. Julkaisu
Publisher: Tampereen teknillinen yliopisto
Volume: 1

Keskitehokas rakentaminen. Esimerkkejä keskitehokkaan asuinrakentamisen malleista
Kilpailutyö esillä kansainvälisessä näyttelyssä: työn nimi Diamonds: E11 EXPO: exhibition of results and implementation, 18.-20.5.2012 SEMPERDEPOT/ATELIERHAUS, Vienna, Austria

General information
State: Published
Ministry of Education publication type: F3 Artistic part of a non-artistic publication
Organisations: School of Architecture
Authors: Poutanen, J.
Publication date: 2012

Event Information
Media of output: Print

Kisailua vai karman kuorintaa

General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Authors: Joutsiniemi, A., Laine, M. R., Mäenpää, P., Annala, M., Holopainen, T.
Pages: 4-9
Publication date: 2012
Peer-reviewed: No

Publication information
Journal: Yhdyskuntasuunnittelu
Volume: 50
Issue number: 2
ISSN (Print): 1459-6806
Ratings:
Publication Forum (2017): 1
Publication Forum (2016): 1
Publication Forum (2015): 1
Publication Forum (2014): 1
Publication Forum (2013): 1
Publication Forum (2012): 1
Original language: Finnish

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Publisher name: Yhdyskuntasuunnittelu-lehti
Source: researchoutputwizard
Source-ID: 4364
Research output: Scientific › Article
Loimaa - Kohtaamisia ja kulttuuria

Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Laiti, M.
Publication date: 2012

**Event information**
Media of output: Other

**Bibliographical note**
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 4638
Research output: Solo art production › Exhibition

**Maritime Centre Vellamo: Design + Art in Greece: 43: 132-133**

**General information**
State: Published
Ministry of Education publication type: F3 Artistic part of a non-artistic publication
Organisations: School of Architecture
Authors: Lahdelma, I., Mahlamäki, R.
Publication date: 2012

**Event information**
Media of output: Print

**Bibliographical note**
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 4600
Research output: Art in non-art work - peer-review › Architecture

**Maritime Centre Vellamo: Panorama, architecture newspaper: A hyge Wave: 50-51**

**General information**
State: Published
Ministry of Education publication type: F3 Artistic part of a non-artistic publication
Organisations: School of Architecture
Authors: Lahdelma, I., Mahlamäki, R.
Publication date: 2012

**Event information**
Media of output: Print

**Bibliographical note**
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 4601
Research output: Art in non-art work › Architecture

**Maritime Centre Vellamo: Margenes Arquitectura: 4: 32-35**


**General information**
State: Published
Ministry of Education publication type: F3 Artistic part of a non-artistic publication
Organisations: School of Architecture
Authors: Lahdelma, I., Mahlamäki, R.
Publication date: 2012

**Event information**
Media of output: Print
Links:
http://margenesarquitectura.com/norteuropa.htm

**Bibliographical note**
Contribution: organisation=ark aht,FACT1=1  
Source: researchoutputwizard  
Source-ID: 4599  
Research output: Art in non-art work - peer-review › Architecture

**Maritime Centre Vellamo; Kotka; Wooden Boat Centre, Kotka; Merikeskus Vellamo; Kotkan puuvenekeskus: Finnish Architecture 08 09, Milano, Italia; Politecnico di Milano, 26.3.- 6.4.2012**

**General information**
State: Published  
Ministry of Education publication type: F1 Published independent work of art  
Organisations: School of Architecture  
Authors: Lahdelma, I., Mahlamäki, R.  
Publication date: 2012

**Event information**
Media of output: Print

**Bibliographical note**
Contribution: organisation=ark aht,FACT1=1  
Source: researchoutputwizard  
Source-ID: 4602  
Research output: Solo art production › Design

**Meilahden sairaala-alueen aula: Arkkitehti: 3: 34-41**

**General information**
State: Published  
Ministry of Education publication type: F3 Artistic part of a non-artistic publication  
Organisations: School of Architecture  
Authors: Lahdelma, I., Mahlamäki, R.  
Publication date: 2012

**Event information**
Media of output: Print

**Bibliographical note**
Contribution: organisation=ark aht,FACT1=1<br/>Publisher name: Suomen Arkkitehtiliitto  
Source: researchoutputwizard  
Source-ID: 4603  
Research output: Art in non-art work › Architecture

**Meilahden sairaala-alueen aula: L'industria della costruzioni, num. 426/2012: 112-116**

**General information**
State: Published  
Ministry of Education publication type: F3 Artistic part of a non-artistic publication  
Organisations: School of Architecture  
Authors: Lahdelma, I., Mahlamäki, R.  
Publication date: 2012

**Event Information**
Media of output: Print

**Bibliographical note**
Contribution: organisation=ark aht,FACT1=1  
Source: researchoutputwizard  
Source-ID: 4604  
Research output: Art in non-art work - peer-review › Architecture
General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Lahdelma, I., Mahlamäki, R.
Publication date: 2012

Event information
Media of output: Print

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 4605
Research output: Solo art production › Design

Metabolismi herää unohduksesta. Metabolism awakens from oblivion

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Katainen, J.
Pages: 80-82
Publication date: 2012
Peer-reviewed: Unknown

Publication information
Journal: Arkitehti
Volume: 109
Issue number: 4
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: Finnish

Bibliographical note
Contribution: organisation=ark ars,FACT1=1<br/>Publisher name: Suomen Arkkitehtiliitto
Source: researchoutputwizard
Source-ID: 4442
Research output: Professional › Article

Mikkeli - Asumista ihmisten ilmoilla

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Mänttä-Vilppula - Vuosirenkaiden juhlaa


General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Närpiö - Hyvinvointia yhteisöllisyydestä


General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Authors: Siikaniemi, I.
Number of pages: 47
Publication date: 2012

Part V: Comparative Analysis of the Omnipresent Water Fountains

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture, Department of Chemistry and Bioengineering, Former organisation of the author
Authors: Hynynen, A. J., Juuti, P. S., Katko, T. S.
Pages: 137-212
Puurakentaminen aluetalouden vahvistajana

General information
State: Published
Ministry of Education publication type: E1 Popularised article, newspaper article
Organisations: School of Architecture
Authors: Hynynen, A.
Pages: 16-17
Publication date: 2012
Peer-reviewed: Unknown

Publication information
Journal: UCS : Seinäjoen yliopistokeskuksen tiedotuslehti
Issue number: 2
ISSN (Print): 1796-0134
Original language: Finnish

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 4278
Research output: General public › Article

Pääkirjoitus: Kaupunki vai urbaani ekosysteemi?

General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Authors: Joutsiniemi, A.
Pages: 4-7
Publication date: 2012
Peer-reviewed: No

Publication information
Journal: Yhdyskuntasuunnittelu
Volume: 50
Issue number: 1
ISSN (Print): 1459-6806
Ratings:
Publication Forum (2017): 1
Publication Forum (2016): 1
Publication Forum (2015): 1
Publication Forum (2014): 1
Publication Forum (2013): 1
Publication Forum (2012): 1
Original language: Finnish
Rakennusala kiertää kierrätystä kuin kissa kuumaa puuroa

**General information**
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Huuhka, S.
Pages: 26-31
Publication date: 2012
Peer-reviewed: Unknown

**Publication information**
Journal: Ympäristö ja terveys
Volume: 43
Issue number: 8-9
ISSN (Print): 0358-3333
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: Finnish

**Bibliographical note**
Contribution: organisation=ark ars,FACT1=1
Publisher name: Suomen Ympäristö- ja Terveysalan Kustannus Oy
Source: researchoutputwizard
Source-ID: 4273
Research output: Professional › Article

Rannat Helsingin seudun dynamona: Unelma omaehtoisesta kaupunkitilan tuottamisesta

**General information**
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: Former organisation of the author
Authors: Lehtovuori, P.
Pages: 20-31
Publication date: 2012

**Host publication information**
Title of host publication: Rantaviivoja : asuinalueita veden äärellä
Place of publication: Helsinki
Publisher: Suomen arkkitehtuurimuseo
Editors: Lahti, J., Paatero, K., Rauske, E.
ISBN (Print): 978-952-5195-40-8

**Bibliographical note**
in English r=4770
Contribution: organisation=ark,FACT1=1
Source: researchoutputwizard
Source-ID: 4679
Research output: Scientific › Chapter

Runollisen kaunis hybridirakennus voitti opiskelijakilpailun

**General information**
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Tikka, H.
Saksalan pikkukoulu - koulusta kodiksi

Seutukaupunkien kehittämisen menetelmä ja menetelmän testaus

Seutukaupunkien kehittämismenetelmä ja menetelmän testaus
Shores as dynamos of the Helsinki region: A dream of spontaneous production of urban space

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture
Authors: Lehtovuori, P.
Pages: 20-31
Publication date: 2012

Host publication information
Title of host publication: Shorelines: residential areas by the water
Place of publication: Helsinki
Publisher: Museum of Finnish Architecture
Editors: Lahti, J., Paatero, K., Rauske, E.

Bibliographical note
Contribution: organisation=ark,FACT1=1<br/>Portfolio EDEND: 2013-12-29
Source: researchoutputwizard
Source-ID: 4680
Research output: Scientific › Chapter

Spatial Simulation Model of Urban Retail System

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Iltanen, S.
Pages: 133-136
Publication date: 2012

Host publication information
Place of publication: Orlando, FL
Publisher: Symposium on Simulation for Architecture and Urban Design
Editors: Nikilovska, L., Attar, R.

Publication series
Name: Symposium on Simulation for Architecture and Urban Planning
Links:
http://www.simaud.org/proceedings/

Bibliographical note
ei ut-numera 14.8.2013<br/>Contribution: organisation=ark ays,FACT1=1<br/>Publisher name: Symposium on Simulation for Architecture and Urban Design
Source: researchoutputwizard
Source-ID: 4304
Research output: Scientific - peer-review › Conference contribution

Takaisin kartalle. Suomalainen seutukaupunki

General information
State: Published
Ministry of Education publication type: C2 Edited books
Organisations: School of Architecture
Authors: Hynynen, A. (ed.)
Number of pages: 125
Publication date: 2012

Publication information
"Talo on vain yksi kivi". "A House is just one stone"

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Lehtovuori, P.
Pages: 74-76
Publication date: 2012
Peer-reviewed: Unknown

Publication information
Journal: Arkkitehti
Volume: 109
Issue number: 4
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: Finnish

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Publisher name: Suomen Arkkitehtiliitto
Source: researchoutputwizard
Source-ID: 4681
Research output: Professional › Article

Tampere - Asukaslähtöisyystä yhteisöllisyyteen

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Authors: Järvi, I.
Number of pages: 53
Publication date: 2012
Tampere-pientalo : Esimerkkejä tyyppitalon uusista ratkaisumalleista Tampereelle


Temporary uses as a means of experimental urban planning
The Mermaid of Helsinki, Finland

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture, Department of Chemistry and Bioengineering, Former organisation of the author
Authors: Hynynen, A. J., Juuti, P. S., Katko, T. S.
Number of pages: 5
Pages: 107-111
Publication date: 2012

Host publication information
Title of host publication: Water Fountains in the Worldscape
Place of publication: Kangasala
Publisher: International Water History Association and Kehrämedia Inc.
Editors: Ari, J. H., Petri, S. J., Tapio, S. K.
ISBN (Print): 978-951-98151-8-3

Bibliographical note
Ei UT-numeroa 14.8.2013<br/>Contribution: organisation=ark ays,FACT1=0.5<br/>Contribution: organisation=keb bio,FACT2=0.5
Source: researchoutputwizard
Source-ID: 4281
Research output: Scientific › Chapter

Towards experiential urbanism

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: Institute of Society and Space (SOCIS), Former organisation of the author
Authors: Lehtovuori, P.
Pages: 71-87
Publication date: 2012
Peer-reviewed: Yes

Publication information
Journal: Critical Sociology

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Authors: Kangasaho, T.
Number of pages: 39
Publication date: 2012

Publication information
Place of publication: Tampere
Publisher: Tampereen teknillinen yliopisto; EDGE; Pirkanmaan liitto; DEMO Ikärakenneneuvosto; Turun kaupunki; Tammerprint Oy
Original language: Finnish
Electronic versions:
Täydennysrakentamisen paradokseja. The paradoxes of infill building

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Joutsiniemi, A.
Pages: 77-79
Publication date: 2012
Peer-reviewed: Unknown

Publication information
Journal: Arkitehti
Volume: 109
Issue number: 4
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: Finnish

Water Fountains in the Worldscape

General information
State: Published
Ministry of Education publication type: C2 Edited books
Organisations: School of Architecture, Department of Chemistry and Bioengineering, Former organisation of the author
Publication date: 2012

Publication information
Place of publication: Kangasala
Publisher: International Water History Association and Kehrämedia Inc.
ISBN (Print): 978-951-98151-8-3
Original language: English

60- ja 70-lukujen matalat tyyppitalot ja korjausrakentaminen
Tämä opas esittää 1960- ja 70-lukujen pientalojen korjaus- ja laajennusratkaisuja, joilla rakennuksia voidaan nykyaikaistaa ja samalla parantaa niiden energiatehokkuutta. Julkaisu pohjautuu Sakari Ruotsalaisen Tampereen teknilliselle yliopistolle tehtyyn diplomityöhön, jossa on tutkittu matalia tyyppitaloja ja asumisen muutosta. Opas käsittelee
tyyppitalojen korjausrakentamista yksinkertaisten esimerkkisuunnitelmien avulla. Suunnittelussa tutkitaan tyypillisiä
asumisen ongelmia tai kehittämisen alueita matalissa tyyppitaloissa.

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Authors: Ruotsalainen, S.
Number of pages: 16
Publication date: 2011

Publication information
Place of publication: Tampere
Publisher: Tampereen tekniillinen yliopisto. Arkkitehtuurin laitos
Original language: Finnish

Publication series
Name: Tampereen tekniillinen yliopisto. Arkkitehtuurin laitos. Julkaisu
Publisher: Tampereen teknillinen yliopisto
Volume: 3
ISSN (Print): 1797-4143
Electronic versions:
60_-ja_70-lukujen_matalat_tyyppitalot.pdf
Links:
http://urn.fi/URN:NBN:fi:ttty-201011261373

Bibliographical note
Contribution: organisation=ark,FACT1=1
Source: researchoutputwizard
Source-ID: 7156
Research output: Professional › Commissioned report

A Cellular Automata Model for Simulating Local Scale Urban Dynamics

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Partanen, J.
Number of pages: 16
Pages: 1-16
Publication date: 2011

Host publication information
Title of host publication: 12th International Conference on Computers in Urban Planning and Urban Management CUPUM,
Lake Louise, Canada July 5-8, 2011
Place of publication: Lake Louise
Publisher: CUPUM
Editors: Hunt, J. D., Abraham, J.
Article number: 144

Publication series
Name: International Conference on Computers in Urban Planning and Urban Management CUPUM
Publisher: CUPUM

Bibliographical note
ei ut-numeroa 26.4.2014<br/>Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 6968
Research output: Scientific - peer-review › Conference contribution

Almost nothing
General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture
Authors: Griffiths, G.
Pages: 14-23
Publication date: 2011

Host publication information
Title of host publication: Wooden Boxes
Editors: Kuhlmann, D., Simmel, C., Griffiths, G.
ISBN (Print): 078-3-902373-93-9

Bibliographical note
ei ut-numeroa 1.3.2014<br/>Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 5983
Research output: Scientific › Chapter

Ammatin status ja etikka

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Luoma, J.
Pages: 42-43
Publication date: 2011
Peer-reviewed: Unknown

Publication information
Journal: Arkkitehtiuutiset
Volume: 63
Issue number: 8
ISSN (Print): 0044-8915
Original language: Finnish

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 6670
Research output: Professional › Article


General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Lodenius, S.
Publication date: 2011

Event information
Media of output: Other

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 6643
Research output: Solo art production › Design


General information
Asumiseen tarvitaan ekohumanismia, The Need for Eco-Humanism in Dwelling

General information
State: Published
Ministry of Education publication type: A2 Review article in a scientific journal
Organisations: School of Architecture
Authors: Hedman, M.
Pages: 22-27
Publication date: 2011
Peer-reviewed: Yes

CIAV VERNADOC 2010 - Östmark church and smoke cabins

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture
Authors: Mattila, M.
Pages: 7-9
Publication date: 2011
Decline or revival? Four small to medium-sized towns in Eastern Finland

General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Authors: Lodenius, S.
Pages: 35-38
Publication date: 2011
Peer-reviewed: No

Publication information
Journal: Project Baltia, Shoreline
Issue number: 12
Original language: English

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 6512
Research output: Art in non-art work - peer-review › Architecture

Exactum, Helsinki University

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Lahdelma, I., Mahlamäki, R.
Publication date: 2011

Event information
Media of output: Print

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 6644
Research output: Scientific › Article

Filippiiniläinen vuoristotalo - A mountain house in Patad Ifugao Luzon, Philippines

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture
Authors: Mattila, M.
Pages: 198-199
Publication date: 2011

Host publication information
Title of host publication: CIAV VERNADOC 2010: Keski-Skandinavian suomalaiset: Östmarkin kirkko, savutuvat
Place of publication: Helsinki
Hämeenpuiston kahvila, Hämeenpuisto Cafe

General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Authors: Pesonen, M.
Pages: 42-43
Publication date: 2011
Peer-reviewed: No

Publication information
Journal: Puu - Suomalaista puuarkkitehtuuria ja rakentamista
Issue number: 2
ISSN (Print): 0357-9484
Original language: Finnish
Links:
http://www.puuinfo.fi

ICT-Talo, Turku: Hyödyllistä ja kaunistavaa - Senaatti-kiinteistöjen historia 1811-2011

General information
State: Published
Ministry of Education publication type: F3 Artistic part of a non-artistic publication
Organisations: School of Architecture
Authors: Lahdelma, I., Mahlamäki, R.
Publication date: 2011

Event information
Media of output: Print

Inkeriläinen savusauna - Ingrian -Finnish smoke sauna in Ingermanland, Russia

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture
Authors: Mattila, M.
Pages: 180-181
Publication date: 2011

Host publication information
Isoniemen rihi, Vehkajärvi - Isoniemi drying house in Häme, Finland

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture
Authors: Mattila, M.
Pages: 168-169
Publication date: 2011

Host publication information
Title of host publication: CIAV VERNADOC 2010: Keski-Skandinavian suomalaiset: Östmarkin kirkko, savutuvat
Place of publication: Helsinki
Publisher: Suomen ICOMOS, kansanrakentamisen komitea
Editor: Mattila, M.

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 6775
Research output: Scientific › Chapter

Joensuun lyseon peruskoulu, Joensuu 2006: Maailman paras koulu - The Best School in the World - näyttely, Suomen rakennustaiteen museo, 8.6.-25.9.2011

General information
State: Published
Ministry of Education publication type: F3 Artistic part of a non-artistic publication
Organisations: School of Architecture
Authors: Lahdelma, I., Mahlamäki, R.
Publication date: 2011

Event information
Media of output: Other

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 6506
Research output: Art in non-art work › Architecture

Joensuu Primary School, Joensuu Finland, 2006; New School Architecture from Europe: World Architecture: 10/2011: 100-105

General information
State: Published
Ministry of Education publication type: F3 Artistic part of a non-artistic publication
Organisations: School of Architecture
Authors: Lahdelma, I., Mahlamäki, R.
Publication date: 2011
Johdanto: kauppakeskuksen osana kestävää kulutusta ja kaupunkirakennetta

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: Research group: Urban Laboratory, School of Architecture, Aalto University
Authors: Hynynen, A., Rantanen, A., Kanninen, V., Mäntysalo, R.
Pages: 6-16
Publication date: 2011

Host publication information
Title of host publication: Kauppakeskuksen osana kestävää kulutusta ja kaupunkirakennetta. Yhdyskuntasuunnittelun tutkimus- ja koulutuskeskuksen julkaisuja C
Place of publication: Espoo
Publisher: Aalto-yliopisto
Editors: Kanninen, V., Rantanen, A.
ISBN (Print): 978-952-60-3541-3
Links:

Bibliographical note
Poistettu tupla r=1264<br/>Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 6158
Research output: Scientific › Chapter

Johtopäätökset: kestävä kauppakeskus

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture, Aalto University
Authors: Kanninen, V., Rantanen, A.
Pages: 54-59
Publication date: 2011

Host publication information
Title of host publication: Kauppakeskuksen osana kestävää kulutusta ja kaupunkirakennetta. Yhdyskuntasuunnittelun tutkimus- ja koulutuskeskuksen julkaisuja C
Place of publication: Espoo
Publisher: Aalto-yliopisto
Editors: Kanninen, V., Rantanen, A.
ISBN (Print): 978-952-60-3541-3
Links:

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 6287
Research output: Scientific › Chapter

Kansainvälisiä maisemia

General information
Karjalainen savusauna - Karelian smoke sauna in Viena-Karelia, Russia

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture
Authors: Mattila, M.
Pages: 178-179
Publication date: 2011

Host publication information
Title of host publication: CIAV VERNADOC 2010: Keski-Skandinavian suomalaiset: Östmarkin kirkko, savutuvat
Place of publication: Helsinki
Publisher: Suomen ICOMOS, kansanrakentamisen komitea
Editor: Mattila, M.

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 6777
Research output: Scientific › Chapter

Kauppakeskuksset verkostokaupungissa

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture
Authors: Iltanen, S.
Pages: 30-33
Publication date: 2011

Host publication information
Title of host publication: Kauppakeskuksset osana kestävää kulutusta ja kaupunkirakennetta. Yhdyskuntasuunnittelun tutkimus- ja koulutuskeskuksen julkaisuja C
Place of publication: Espoo
Publisher: Aalto-yliopisto
Editors: Kanninen, V., Rantanen, A.
ISBN (Print): 978-952-60-3541-3
Links:

Bibliographical note
In my dissertation, Kaupunkia etsimässä – Eliel Saarinen in America 1923–1950 (Search for a City – Eliel Saarinen in America 1923–1950) Eliel Saarinen’s American career is described as a continuation of his career in Finland. The focus is on urban design and planning. Saarinen’s career as an urban planner may be followed from the Helsinki railway station (which inspired him to search for solutions to traffic problems) to street plans, international competitions and visionary designs for the future of Helsinki. In the latter, his urban design ideas may be seen in the largest scope of scales: from the city region to the details of housing design. Also in the United States Saarinen’s career was marked by a design attitude that used a variety of scales. The city region was taken over by Saarinen in his organic decentralization, but at the same time he took notice of urban details and designed houses, interiors and textiles. In housing design Saarinen used the catalogue of attached houses that he had already researched in Finland, and did not see the need to rethink the spatial solutions to everyday living in his American rowhouse designs. Recurring themes throughout several decades were, for example, similar spatial arrangements in apartment plans, connections between interior and exterior, composition of street...
space, flowing traffic solutions with a hierarchy of streets and paths and taking into account the larger context connected
to the design task. At the same time, the designs show Saarinen’s familiarity with the current urban discourse in the United
States: block structure became more open and the hierarchical separation of various traffic forms was more important than
before. The designer combined modernity with a knowledge of the past. Saarinen was designing a city even when
designing one building. Behind the attitude of controlling wholes was the idea of the city as a Gesamtkunstwerk, a total
work of art. Saarinen saw the different phases of this idea during his career. In the Munkkiniemi-Haaga Plan he appeared
as an artist, but in America he was confronted with a new kind of planning context: the problems of dense metropolitan
cores and spreading suburbs. Saarinen’s solution to both problems was the gradual process of organic decentralization.
The city planner’s role changed from an artist to the portrayer of processes. The urban region was looked at from above,
but at the same time homes were designed and details drawn. Eliel Saarinen’s career was one of the most extensive
examples of an urban application of the Gesamtkunstwerk idea. The American legacy of Saarinen the urban designer
consisted of a skyscraper model that influenced urban centers in the United States of the 1920s, the process of organic
decentralization that aimed at creating order to metropolitan growth, and the idea of an architect’s pedagogical
responsibility as an educator of the general public. Education could be furthered by books as well as thoughtfully designed
environments. The roles of an urban planner, building designer and educator were all intertwined, as were the various
scales of design work. In Eliel Saarinen’s designs all scale levels came together to form a whole, which was described by
biological analogies in Saarinen’s writings. The city was an organism, and both the scalar hierarchies and the inspiration
for form search were found in nature. Saarinen’s interpretation of the Gesamtkunstwerk idea evolved into an interaction
and harmony of levels of scale, which guided his design process whether the task was objects or city regions. To his
students he especially stressed the importance of taking into account the next higher scale level in design. Mastering
scale levels had then – as well as now – an essential importance in architectural design processes.

General information
State: Published
Ministry of Education publication type: G4 Doctoral dissertation (monograph)
Organisations: School of Architecture
Authors: Chudoba, M.
Publication date: 2011

Publication information
Place of publication: Tampere
Publisher: Tampere University of Technology
Original language: Finnish

Publication series
Name: Tampereen teknillinen yliopisto. Arkkitehtuurin laitos. Julkaisu
Publisher: Tampere University of Technology
Volume: 6
ISSN (Print): 1797-4143
Electronic versions: chudoba.pdf
Links:

Bibliographical note
Awarding institution:Tampere University of Technology
Source: researchoutputwizard
Source-ID: 5848
Research output: Monograph › Doctoral Thesis

Keskikokoinen metapolis? Näköaloja osaamisvetoiseen kehittämiseen Seinäjoella

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Authors: Hynynen, A., Kolehmainen, J.
Number of pages: 34
Publication date: 2011

Publication information
Place of publication: Tampere
Publisher: University of Tampere
ISBN (Print): 978-951-44-8448-3
Original language: Finnish
Keskustoista kesannolle

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture
Authors: Lodenius, S.
Pages: 15-21
Publication date: 2011
Peer-reviewed: Yes

Publication information
Journal: Arkitehti
Volume: 108
Issue number: 3
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: Finnish

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 6157
Research output: Professional › Commissioned report

Kolmas kerta toden sanoo

General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Authors: Joutsiniemi, A.
Pages: 4-7
Publication date: 2011
Peer-reviewed: No

Publication information
Journal: Yhdyskuntasuunnittelu
Volume: 49
Issue number: 4
ISSN (Print): 1459-6806
Ratings:
Publication Forum (2017): 1
Publication Forum (2016): 1
Publication Forum (2015): 1
Publication Forum (2014): 1
Kontupohjan kirkko - Church of Kontupohja in Karelia, Russia

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture
Authors: Mattila, M.
Pages: 116-117
Publication date: 2011

Host publication information
Title of host publication: CIAV VERNADOC 2010: Keski-Skandinavian suomalaiset: Östmarkin kirkko, savutuvat
Place of publication: Helsinki
Publisher: Suomen ICOMOS, kansanrakentamisen komitea
Editor: Mattila, M.

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 6234
Research output: Scientific › Article

Kulosaaren yhteiskoulun pikkusali

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Saatsi, P.
Pages: 18-19
Publication date: 2011
Peer-reviewed: Unknown

Publication information
Journal: Teräsrakenne
Volume: 49
Issue number: 3
ISSN (Print): 0782-0941
Original language: Finnish

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 7171
Research output: Professional › Article

Liikennepalvelumallit ja vaikutusten arviointi. Liite 2, Tampereen teknillisen yliopiston tutkimusraportti

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: Department of Business Information Management and Logistics, School of Architecture
Authors: Kalenoja, H., Kallionpää, E., Moisala, A., Ylä-Anttila, K.
Marilainen savusauna - Mari smoke sauna in Bashkortoshtan, Russia

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture
Authors: Mattila, M., Lennox, M.
Pages: 184-185
Publication date: 2011

Host publication information
Title of host publication: CIAV VERNADOC 2010: Keski-Skandinavian suomalaiset: Östmarkin kirkko, savutuvat
Place of publication: Helsinki
Publisher: Suomen ICOMOS, kansanrakentamisen komitea
Editor: Mattila, M.

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 6507
Research output: Solo art production › Design

Maritime Center Vellamo

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Lahdelma, I.
Publication date: 2011

Event information
Media of output: Print

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 6502
Research output: Solo art production › Design

Maritime Centre Vellamo, Kotka; Wooden Boat Center, Kotka - Kotkan merikeskus Vellamo, Kotkan puuvenekeskus: Näyttely Finnish Architecture 08 09, Poitiers, France: Maison de l'architecture de Poitou-Charentes 1.9.-28.10.2010

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Lahdelma, I., Mahlamäki, R.
Publication date: 2011

Event information
Media of output: Other
Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 6510
Research output: Solo art production › Design

Maritime Centre Vellamo, Kotka; Wooden Boat Center, Kotka - Kotkan merikeskus Vellamo, Kotkan puuvenekeskus: Näyttely Finnish Architecture 08 09, Budapest, Unkari, FUGA 28.10.-14.11.2011

General information
State: Published
Ministry of Education publication type: F3 Artistic part of a non-artistic publication
Organisations: School of Architecture
Authors: Lahdelma, I., Mahlamäki, R.
Publication date: 2011

Event information
Media of output: Other

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 6510
Research output: Art in non-art work › Architecture

Maritime Centre Vellamo, Kotka; Wooden Boat Center, Kotka - Kotkan merikeskus Vellamo, Kotkan puuvenekeskus: Näyttely Finnish Architecture 08 09, Vapriikki, Tampere 20.9.-9.10.2010

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Lahdelma, I., Mahlamäki, R.
Publication date: 2011

Event information
Media of output: Other

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 6509
Research output: Solo art production › Design

Metropolialueen kestävä aluerakenne. METKA-hankkeen 2007-08 tiivistelmä

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Authors: Laakso, S., Lahti, P., Lodenius, S., Moilanen, P.
Publication date: 2011

Publication information
Publisher: Etelä-Suomen maakuntien liittouma
Original language: Finnish

Publication series
Name: Etelä-Suomen maakuntien liittouma
Publisher: Etelä-Suomen maakuntien liittouma
Links:
http://www.metkaprojekti.info

Bibliographical note
Modeling Urban Dynamics in Self-organizing Enclaves: The Cases of Nekala and Vaasa

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Partanen, J.
Number of pages: 8
Pages: 1-8
Publication date: 2011

Host publication information
Title of host publication: 17th European Colloquium on Quantitative and Theoretical Geography ECQTG2011, Harokopio University, Athens, Greece, 2nd to the 5th of September 2011
Place of publication: Athens
Publisher: Harokopio University
Editor: Kalogirou, S.
ISBN (Print): 978-960-87751-1-4

Publication series
Name: European Colloquium on Quantitative and Theoretical Geography ECQTG
Publisher: Harokopio University

Bibliographical note
ei ut-numeroa 26.4.2014<br/>
Source: researchoutputwizard
Source-ID: 6969
Research output: Scientific - peer-review › Conference contribution

Modelling Local Scale Land-Use: Case Nekala

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Partanen, J.
Number of pages: 8
Pages: 106-113
Publication date: 2011

Host publication information
Title of host publication: Proceedings of the 19th GIS Research UK Annual Conference, University of Portsmouth with Ordnance Survey, UK, 27.-29.4.2011
Place of publication: Portsmouth
Publisher: GISRUK Conference Series
Editors: Jones, C. E., Pearson, A., Hart, G., Groome, N.

Publication series
Name: GIS Research UK Annual Conference
Publisher: GISRUK Conference Series

Bibliographical note
ei ut-numeroa 26.4.2014<br/>
Source: researchoutputwizard
Source-ID: 6970
Research output: Scientific - peer-review › Conference contribution

Monikeskuksisuuden monet todellisuudet
Monikulttuurisuus on osa meitä, Multiculturalism is Part of Us

General information
State: Published
Ministry of Education publication type: A2 Review article in a scientific journal
Organisations: School of Architecture
Authors: Maununaho, K., Virkkala, I.
Pages: 70-72
Publication date: 2011
Peer-reviewed: Yes

Publication information
Journal: Arkitehti
Volume: 108
Issue number: 4
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: Finnish

Bibliographical note
Contribution: organisation=ark ars,FACT1=1
Source: researchoutputwizard
Source-ID: 6784
Research output: Scientific - peer-review › Review Article

Myllymäen savusauna - Myllymäki smoke sauna in uusimaa, Finland

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture
Authors: Mattila, M., Freese, S.
Pages: 170-173
Publication date: 2011

Host publication information
Title of host publication: CIAV VERNADOC 2010: Keski-Skandinavian suomalaiset: Östmarkin kirkko, savutuvat
Place of publication: Helsinki
Publisher: Suomen ICOMOS, kansanrakentamisen komitea
Editor: Mattila, M.

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Nollahypoteesina kunta

General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Authors: Joutsiniemi, A.
Pages: 4-7
Publication date: 2011
Peer-reviewed: No

Publication information
Journal: Yhdyskuntasuunnittelu
Volume: 49
Issue number: 3
ISSN (Print): 1459-6806
Ratings:
Publication Forum (2017): 1
Publication Forum (2016): 1
Publication Forum (2015): 1
Publication Forum (2014): 1
Publication Forum (2013): 1
Publication Forum (2012): 1
Original language: Finnish

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Publisher name: Yhdyskuntasuunnittelu-lehti
Source: researchoutputwizard
Source-ID: 6235
Research output: Scientific › Article

Näkemyksiä maaseudun tulevaisuuden maankäytöstä: Raportti Sitran Maamerkintöhjelman maankäyttötyöpajasta

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Authors: Kolehmainen, J., Seppälä, M., Hynynen, A., Ranta, T., Uitto, A.
Number of pages: 9
Publication date: 2011

Publication information
Place of publication: Tampere
Publisher: Tampereen yliopisto, Tampereen teknillinen yliopisto, MDI
Original language: Finnish
Links:
http://www.sitra.fi/NR/rdonlyres/758A4C0D-1C64-4287-A9B3-EED4A9FC4DE6/0/Maank%C3%A4ytt%C3%B6raportti.pdf

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 6402
Research output: Professional › Commissioned report

Pajaniemen savusauna, Vehkajärvi - Pajaniemi smoke sauna in Häme Finland

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Pekka Mäki, ASA-huset, Åbo Akademi

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture
Authors: Koponen, O.
Pages: 34-40
Publication date: 2011
Peer-reviewed: Yes

Publication information
Journal: Arkitehtti
Volume: 108
Issue number: 2
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: Finnish

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 6411
Research output: Scientific - peer-review › Article

Pien-Toijolan savusauna, Ristiina - Pien-Toijola smoke sauna in Savo Finland

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture
Authors: Mattila, M.
Pages: 174-175
Publication date: 2011

Host publication information
Title of host publication: CIAV VERNADOC 2010: Keski-Skandinavian suomalaiset: Östmarkin kirkko, savutuvat
Place of publication: Helsinki
Publisher: Suomen ICOMOS, kansanrakentamisen komitea
Editor: Mattila, M.

Bibliographical note
Päätoimittajalta: Klikkejä imagiaarisessa kaupungissa

General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Authors: Joutsiniemi, A.
Pages: 4-7
Publication date: 2011
Peer-reviewed: No

Publication information
Journal: Yhdyskuntasuunnittelu
Volume: 49
Issue number: 2
ISSN (Print): 1459-6806
Ratings:
Publication Forum (2017): 1
Publication Forum (2016): 1
Publication Forum (2015): 1
Publication Forum (2014): 1
Publication Forum (2013): 1
Publication Forum (2012): 1
Original language: Finnish

Bibliographical note
Contribution: organisation=ark ays,FACT1=1<br/>Publisher name: Yhdyskuntasuunnittelu-lehti
Source: researchoutputwizard
Source-ID: 6236
Research output: Scientific › Article

Shopping Centre Morphologies: Location, Accessibility, Integration - A Case Study of Shopping Malls in Helsinki and Tampere City Regions

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Iltanen, S., Rantanen, A.
Pages: 22-27
Publication date: 2011

Host publication information
Title of host publication: Urban Morphology and the Post-Carbon City, the 18th International Seminar on Urban Form ISUF 2011, Montreal, Canada 26-29 August 2011
Place of publication: Montreal
Publisher: Concordia University

Publication series
Name: International Seminar on Urban Form ISUF
Publisher: Concordia University
Links:
http://geography.ssc.uwo.ca/faculty/gilliland/ISUF2011_FullPapers.htm

Bibliographical note
ei ut-numeroa 15.3.2014<br/>Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 6167

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Tikka, H.
Publication date: 2011

Event information
Media of output: Print

Bibliographical note
Contribution: organisation=ark ars,FACT1=1
Source: researchoutputwizard
Source-ID: 7385
Research output: Solo art production › Design

Sustainable manufacturing and eco-factories within sustainable industrial areas within fast growing eco-cities

General information
State: Published
Ministry of Education publication type: B3 Non-refereed article in conference proceedings
Organisations: Department of Civil Engineering, Department of Production Engineering, School of Architecture
Authors: Leino, T., Salminen, K., Joutsiniemi, A.
Pages: 747-754
Publication date: 2011

Host publication information
Title of host publication: 21st International Conference on Flexible Automation and Intelligent Manufacturing, FAIM 2011,
26-29 June, 2011, Taichung, Taiwan
Place of publication: Taichung
Publisher: FAIM 2011
ISBN (Print): 978-986-87291-0-0

Publication series
Name: International Conference on Flexible Automation and Intelligent Manufacturing
Publisher: FAIM 2011

Bibliographical note
ei ut-numeroa 29.3.2014<br/>Contribution: organisation=rak,FACT1=0.34<br/>Contribution: organisation=tte,FACT2=0.33<br/>Contribution: organisation=ark ays,FACT3=0.33
Source: researchoutputwizard
Source-ID: 6581
Research output: Scientific › Conference contribution

The Finnish Waterfront

General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Authors: Lodenius, S.
Pages: 27-29
Publication date: 2011
Peer-reviewed: No

Publication information
Journal: Project Baltia, Shoreline
Issue number: 13
Original language: English
The Fountain A Harbinger of a New Era in Case Tampere

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture, Department of Chemistry and Bioengineering, Former organisation of the author
Authors: Hynynen, A., Juuti, P., Katko, T.
Pages: 63-70
Publication date: 2011

Host publication information
Title of host publication: Water Fountains in the Cityscape. Essays in Public Works History
Place of publication: Kansas City, MO
Publisher: Public Works Historical Society
Editors: Hynynen, A. J., Juuti, P. S., Katko, T. S.

Publication series
Name: Essays in Public Works History
Publisher: Public Works Historical Society
Volume: 30
ISSN (Print): 1047-5257

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Contribution: organisation=ark ays,FACT1=0.33,FACT2=0.67
Source: researchoutputwizard
Source-ID: 6646
Research output: Scientific › Article

TTY:n arkkitehtuurin laitoksen betonistudio 2010 ympäristöbetoni - Julkisen tilan betoniveneistoksia

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Pesonen, M.
Pages: 66-69
Publication date: 2011
Peer-reviewed: Unknown

Publication information
Journal: Betoni
Volume: 81
Issue number: 1
ISSN (Print): 1235-2136
Original language: Finnish

Bibliographical note
Contribution: organisation=ark ars,FACT1=1
Source: researchoutputwizard
Source-ID: 7009
Research output: Professional › Article

Tulevaisuuden toivojen torni. Opiskelija-asuintalo Ikituuri, Turku. Student Housing Ikituuri, Turku

General information
State: Published
Urban Eco-Factory compatibility of residential and industrial zones

General information
State: Published
Ministry of Education publication type: B3 Non-refereed article in conference proceedings
Organisations: Department of Civil Engineering, Department of Production Engineering, School of Architecture
Authors: Leino, T., Salminen, K., Joutsiniemi, A.
Number of pages: 9
Pages: 1-9
Publication date: 2011

Host publication information
Title of host publication: The 6th International Conference on Industrial Ecology, ISIE 2011, 7-10 June, 2011, University of California, Berkeley, USA
Place of publication: Berkeley, CA
Publisher: International Society for Industrial Ecology

Publication series
Name: International Conference on Industrial Ecology ISIE
Publisher: International Society for Industrial Ecology

Bibliographical note
ei ut-numeroa 29.3.2014<br />Contribution: organisation=rak,FACT1=0.34<br />Contribution: organisation=tte,FACT2=0.33<br />Contribution: organisation=ark ays,FACT3=0.33
Source: researchoutputwizard
Source-ID: 6582
Research output: Scientific › Conference contribution

Uusi arkkitehtuuri/The New Architecture

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Karala, S., Hietakorpi, L., Manka, J., Poutanen, J., Hyyppä, A., Virtanen, J.
Publication date: 2011

Event information
Media of output: Print

Bibliographical note
**VERNADOC - documenting vernacular architecture**

**General information**
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture
Authors: Mattila, M.
Pages: 92-93
Publication date: 2011

**Host publication information**
Title of host publication: CIAV VERNADOC 2010: Keski-Skandinavian suomalaiset: Östmarkin kirkko, savutuvat
Place of publication: Helsinki
Publisher: Suomen ICOMOS, kansanrakentamisen komitea
Editor: Mattila, M.

**Bibliographical note**
Source: researchoutputwizard
Source-ID: 6781
Research output: Scientific › Chapter


**General information**
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Alatalo, E.
Publication date: 2011

**Event information**
Media of output: Print

**Bibliographical note**
Source: researchoutputwizard
Source-ID: 5681
Research output: Solo art production › Design

**Voisiko aluesuunnittelu olla designia?**

**General information**
State: Published
Ministry of Education publication type: E1 Popularised article, newspaper article
Organisations: School of Architecture
Authors: Hynynen, A.
Publication date: 2011
Peer-reviewed: Unknown

**Publication information**
Journal: Helsingin sanomat
ISSN (Print): 0355-2047
Original language: Finnish

**Bibliographical note**
Source: researchoutputwizard
Water Fountains in the Cityscape

General information
State: Published
Ministry of Education publication type: C2 Edited books
Organisations: School of Architecture, Department of Chemistry and Bioengineering, Former organisation of the author
Publication date: 2011

Publication information
Place of publication: Kansas City, MO
Publisher: Public Works Historical Society
Original language: English

Publication series
Name: Essays in Public Works History
Publisher: Public Works Historical Society
Volume: 30
ISSN (Print): 1047-5257

Bibliographical note

Wooden Boat Centre Kotka: L'Arca

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Lahdelma, I., Mahlamäki, R.
Publication date: 2011

Event information
Media of output: Print

Bibliographical note
Contribution: organisation=ark aht, FACT1=1
Source: researchoutputwizard
Source-ID: 6511
Research output: Solo art production › Design

Wooden Boxes

General information
State: Published
Ministry of Education publication type: C2 Edited books
Organisations: School of Architecture
Publication date: 2011

Publication information
Place of publication: Wien
Publisher: Luftschacht Verlag
ISBN (Print): 978-3-902373-93-9
Original language: English
Yhdyskuntarakenne muokkaa lasten ja nuorten liikkumista

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Broberg, A., Hynynen, A., Iltanen, S., Kyttä, M., Paronen, O.
Pages: 10-17
Publication date: 2011
Peer-reviewed: Unknown

Publication information
Journal: Liikunta ja Tiede
Volume: 48
Issue number: 2-3
ISSN (Print): 0358-7010
Ratings:
Publication Forum (2017): 1
Publication Forum (2016): 1
Publication Forum (2015): 1
Publication Forum (2014): 1
Publication Forum (2013): 1
Publication Forum (2012): 1
Original language: Finnish

Debet - Credit -maalaussarja

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Soini, K.
Publication date: 7 May 2010

Event information
Media of output: Other

Verkosto kaupunkirakenteen analyysin ja suunnittelun välineenä
In international debate on urban planning and design during the past ten years, the predominant idea has been that cities have entered a new phase of transformation. This has meant both a qualitative and a quantitative change. The new urban form consists of multiple centralities, and its space–time relationships and the functional networks have become reorganised. In its traditional, clearly delineated form the city no longer exists; rather, we now have sprawling urban regions that are complex combinations of several overlapping and intersecting, multiple flows, networks and life–worlds. As cities change, the tools used in researching and designing them need to change. This thesis examines the possibilities and benefits of network-based approaches in the analysis and design of urban form. For twenty years, the network has been one of the central metaphors of scientific debate and a tool that has replaced the previous conceptual constructions
of different disciplines that emphasised hierarchy and vertical relationships. This thesis attempts above all to find out the scope and possibilities of network thinking in the study of urban form and its transformation – and synthesise it in order to find out how the sociospatial dynamics of the new, poly-centric urban form can be grasped on the macromorphological level of the city. In order to develop further the network-based approach, the traditions of network thinking in various spatial disciplines have been combined into a unified, three-level topomorphological analysis framework. This combination synthesises both the morphological, geographical and sociotechnical network analysis models, and their detailed analysis methods. The analysis of urban form that traditionally only included the physical dimension, is expanded to include analysis of the sociospatial projects, flows and densities located in the town. The applicability of this analysis combination was tested in a case analysis on the City of Tampere during the cross-section years 1960, 1980 and 2000. Also, as a result of the Tampere case analysis, a unique Finnish metapolisation process is sketched, showing that, in spite of the expansion of the physical structure, the overall structure is still quite mono-centric. New centralities are definitely born, but almost exclusively due to the change in the scale and the location of retail units. It is evident, in turn, that this location change is based on a scalar jump in the road network and on a preference for locations at the nodes with the best accessibility. The discussion of the case analysis shows that the network concept is well suited to analysing the complex urban form of city regions and to examining the changes in their structure. The network is not only a tool that appropriately simplifies the analysis of complex entities, but also a flexible tool for analysing the various levels of sociospatial processes, such as the functional nodalities and transaction processes in towns. Moreover, the network concept also appears to open up new prospects for the strategies and tactics in urban planning and design. The thesis is concluded by a proposal that combines different examples of strategies and tactics, with the aim of creating new innovations at the nodes and interfaces of the network of urban structure, in order to promote structural integration and thus increase the multiple usability of cities.

General information
State: Published
Ministry of Education publication type: A3 Part of a book or another research book
Organisations: School of Architecture
Authors: Eskola, S.
Number of pages: 1
Pages: 111-111
Publication date: 2010

Host publication information
Title of host publication: Urban Fallows. Transformations & Breeding Grounds. City Scratching III. Tampere University of Technology. School of Architecture. Publication
Editor: Ylä-Anttila, K.

Bibliographical note
City of Tampere / Creative Tampere, NCC Property development Oy, Ramboll Finland Oy, UPM, City of Akka, Council of Tampere Region<br>Contribution: organisation=ark ars,FACT1=1
Source: researchoutputwizard
Source-ID: 7902
Research output: Scientific - peer-review > Chapter

Anteckningar från ett färggrant Äppelträd (rapport från New York).

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Lodenius, S.
Number of pages: 5
Pages: 1-5
Publication date: 2010
Peer-reviewed: Unknown

Publication information
Journal: Ny Tid
Issue number: Helmikuu
ISSN (Print): 1456-0518
Original language: Swedish
Links:
http://www.nytid.fi/?s=lodenius+staffan

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 8661
Research output: Professional > Article

Arkkitehtitoimisto JKMM OY voitti Kolin kansallispuiston toiminta- ja palvelukeskuksen arkkitehtuurikilpailu

General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Authors: Tikka, H.
Pages: 36-37
Publication date: 2010
Peer-reviewed: No

Publication information
Becoming metapolis - A configurational approach

Becoming Metapolis develops the argument that the modern city is a highly diverse and heterogeneous structure, something beyond the traditional idea of the monocentric structures that were developed during the industrial revolution and before. In essence, the modern city is polycentric to the point where its diversity needs to be recognised in the variety of its parts and the structure of its whole. In this sense, the modern city is ‘beyond the polis’ - which indeed the term ‘metapolis’ suggests. To make sense of such structures, the concept of accessibility is developed at many levels, and it is argued that the ideas of space syntax, with its focus on defining the city across many levels in terms of its patterns of influence through the depth of its networks, is a powerful way of describing and perhaps even explaining the diversity that is the metapolis.
Building new history museums in Poland - who's building them, how are they building them and for whom?: Architectura, muurat, Puola

Can the new cosmology, cosmogenesis, serve as a basis for a shared value system in architecture? A critique of Charles Jencks

Host publication information
Title of host publication: Nordic Association of Architectural Research NAAR Annual Conference 2010, From Gesamtkunstwerk to Complexity - Architecture in All Scales, Tampere, Finland, 22.-24.04.2010

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
City scale and the Gesamtkunstwerk idea in the work of Eliel Saarinen

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Chudoba, M.
Number of pages: 13
Pages: 1-13
Publication date: 2010

Host publication information
Title of host publication: Nordic Association of Architectural Research NAAR Annual Conference 2010, From Gesamtkunstwerk to Complexity - Architecture in All Scales, Tampere, Finland, 22.-24.04.2010

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 7804
Research output: Scientific - peer-review › Conference contribution

Complexity and ethics; evaluating the self-organizing reality

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Partanen, J.
Number of pages: 20
Pages: 1-20
Publication date: 2010

Host publication information
Title of host publication: Nordic Association of Architectural Research NAAR Annual Conference 2010, From Gesamtkunstwerk to Complexity - Architecture in All Scales, Tampere, Finland, 22.-24.04.2010

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 8942
Research output: Scientific - peer-review › Conference contribution

Cosmos, dwelling and identities - the notions of space and place of the Likuba people

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Liwata, M.
Number of pages: 8
Pages: 1-8
Publication date: 2010

Host publication information
Title of host publication: Nordic Association of Architectural Research NAAR Annual Conference 2010, From Gesamtkunstwerk to Complexity - Architecture in All Scales, Tampere, Finland, 22.-24.04.2010

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Cultural encounters in housing environments - designing meeting spaces for a multicultural neighborhood

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Maununaho, K.
Number of pages: 10
Pages: 1-10
Publication date: 2010

Host publication information
Title of host publication: Nordic Association of Architectural Research NAAR Annual Conference 2010, From Gesamtkunstwerk to Complexity - Architecture in All Scales, Tampere, Finland, 22.-24.04.2010

Bibliographical note
Contribution: organisation=ark ars,FACT1=1
Source: researchoutputwizard
Source-ID: 8769
Research output: Scientific - peer-review › Conference contribution

Decayed, developed, defined. Comparing the development paths of two urban fallow areas in New York City

General information
State: Published
Ministry of Education publication type: A3 Part of a book or another research book
Organisations: School of Architecture
Authors: Hietakorpi, L.
Pages: 55-65
Publication date: 2010

Host publication information
Title of host publication: Urban Fallows. Transformations & Breeding Grounds. City Scratching III. Tampere University of Technology. School of Architecture. Publication
Editor: Ylä-Anttila, K.

Bibliographical note
City of Tampere / Creative Tampere, NCC Property development Oy, Ramboll Finland Oy, UPM, City of Akaa, Council of Tampere Region<br/>&gt;Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 8076
Research output: Scientific - peer-review › Chapter

Eedenistä utoplaan/Out of Eden - into utopia

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture
Authors: Näveri, M.
Pages: 49-53
Publication date: 2010
Peer-reviewed: Yes

Publication information
Journal: Arkkitehti
Issue number: 1
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: Finnish

Bibliographical note
Contribution: organisation=ark ays,FACT1=1<br/>Publisher name: Suomen Arkkitehtiliitto
Source: researchoutputwizard
Source-ID: 8827
Research output: Scientific - peer-review › Article

Embajada de Finlandia, Embassy of Finland, Tokyo: AV proyectos

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Lahdelma, I., Mahlamäki, R.
Publication date: 2010

Event information
Media of output: Print

Bibliographical note
Architectural design: Lahdelma, I. & Mahlamäki, R.<br/>Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 8531
Research output: Solo art production › Design

Eriksson arkkitehdeille voitto. Ylläksen uuden matkailukylän arkkitehtuurikilpailussa

General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Authors: Lahdelma, I.
Pages: 28-31
Publication date: 2010
Peer-reviewed: No

Publication information
Journal: Arkkitehtiuutiset
Issue number: 12/2010
ISSN (Print): 0044-8915
Original language: Finnish

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 8528
Research output: Scientific › Article

Eternal optimism? Ethics explained away

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Griffiths, G.
Number of pages: 10
Pages: 1-10
Publication date: 2010

Host publication information
Title of host publication: Nordic Association of Architectural Research NAAR Annual Conference 2010, From Gesamtkunstwerk to Complexity - Architecture in All Scales, Tampere, Finland, 22.-24.04.2010
Evaluating complexity - Ethical challenges in computational design processes

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Partanen, J.
Pages: 1182-1192
Publication date: 2010

Host publication information
Title of host publication: WASET 2010 World Academy of Science, Engineering and Technology Conference, Paris, France, June 28-30, 2010
Links:
http://www.waset.org/journals/waset

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 8943
Research output: Scientific - peer-review › Conference contribution

Evolution of the shopping mall type: A morphological approach

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Rantanen, A.
Pages: 253-253
Publication date: 2010

Host publication information
Title of host publication: 24th AESOP Annual Conference, Space is Luxury, Espoo, Finland, 7-10 July 2010
Links:
http://aesop2010.tkk.fi/

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 9082
Research output: Scientific - peer-review › Conference contribution

Evolution of the shopping mall type. Modifications in the Finnish context

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Rantanen, A.
Number of pages: 1
Pages: 1-1
Publication date: 2010

Host publication information
Title of host publication: 17th Conference International Seminar on Urban Form ISUF 2010, Formation on Persistence of Townscape, Hamburg-Lubeck, Germany, 20-23 August 2010

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 8943
Research output: Scientific - peer-review › Conference contribution
From corner shop to heterotopia: evolution and revolution of the shopping mall type

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Rantanen, A.
Number of pages: 16
Pages: 1-16
Publication date: 2010

Host publication information
Title of host publication: Nordic Association of Architectural Research NAAR Annual Conference 2010, From Gesamtkunstwerk to Complexity - Architecture in All Scales, Tampere, Finland, 22.-24.04.2010

Henkilökohtaista

General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Authors: Joutsiniemi, A.
Pages: 5-7
Publication date: 2010
Peer-reviewed: No

Publication information
Journal: Yhdyskuntasuunnittelu
Issue number: 2010:3
ISSN (Print): 1459-6806
Ratings:
Publication Forum (2017): 1
Publication Forum (2016): 1
Publication Forum (2015): 1
Publication Forum (2014): 1
Publication Forum (2013): 1
Publication Forum (2012): 1
Original language: Finnish

Human Wiz

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Kaisa Soinin ja 21 taiteilijan töitä esillä kesänäytteilyssä

Kauppakeskuksien osana kestävää kulutusta ja kaupunkirakennetta

Kaupungin kiusalliset detaljit ja robustit ratkaisut
Kylät kaupungin kupeessa - Lempäälien Nurmen ja Säijän kylät, maankäyttösuunnitelma 2009

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Authors: Sarjala, S.
Number of pages: 60
Publication date: 2010

Publication information
Place of publication: Tampere
Publisher: Kantri ry, Pirkan Helmi ry, Pirkanmaan TE-keskus, Tampereen teknillinen yliopisto. EDGE
Original language: Finnish

Publication series
Name: Kylät kehällä -hanke 2009
Publisher: Kantri ry, Pirkan Helmi ry, Pirkanmaan TE-keskus, Tampereen teknillinen yliopisto. EDGE

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 7989
Research output: Professional › Commissioned report

Kylät kehällä. Kyläsuunnittelu kaupunkiseudun ulkopihallä

General information
State: Published
Ministry of Education publication type: C2 Edited books
Organisations: School of Architecture
Number of pages: 122
Publication date: 2010

Publication information
Place of publication: Tampere
Publisher: Kantri ry, Pirkan Helmi ry, Pirkanmaan TE-keskus, Tampereen teknillinen yliopisto. EDGE
Original language: Finnish

Publication series
Name: Kylät kehällä -hanke 2009
Publisher: Kantri ry, Pirkan Helmi ry, Pirkanmaan TE-keskus, Tampereen teknillinen yliopisto. EDGE

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 7612
Research output: Scientific - peer-review › Anthology
Maankäyttösuunnitelma Pirkkalankylään

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Authors: Virtanen, J.
Number of pages: 60
Publication date: 2010

Publication information
Place of publication: Tampere
Publisher: Kantri ry, Pirkkan Helmi ry, Pirkanmaan TE-keskus, Tampereen teknillinen yliopisto. EDGE
Original language: Finnish

Publication series
Name: Kylät kehällä -hanke 2009
Publisher: Kantri ry, Pirkkan Helmi ry, Pirkanmaan TE-keskus, Tampereen teknillinen yliopisto. EDGE

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 9589
Research output: Professional › Commissioned report

Mapping the urban fallows

General information
State: Published
Ministry of Education publication type: A3 Part of a book or another research book
Organisations: School of Architecture
Authors: Alppi, S.
Pages: 67-75
Publication date: 2010

Host publication information
Title of host publication: Urban Fallows. Transformations & Breeding Grounds. City Scratching III. Tampere University of Technology. School of Architecture. Publication
Editor: Ylä-Anttila, K.

Bibliographical note
City of Tampere / Creative Tampere, NCC Property development Oy, Ramboll Finland Oy, UPM, City of Akaa, Council of Tampere Region<br/>&nbsp;Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 7680
Research output: Scientific - peer-review › Chapter


General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Lahdelma, I., Mahlamäki, R.
Publication date: 2010

Event information
Media of output: Other

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Metaphors in urban planning: From garden city to Zwischenstadt and Netzstadt

General information
State: Published
Ministry of Education publication type: C1 Separate scientific books
Organisations: School of Architecture
Authors: Pakarinen, T.
Number of pages: 120
Publication date: 2010

Publication information
Place of publication: Tampere
Publisher: Tampere University of Technology
Original language: English

Publication series
Name: Datutop
Publisher: Tampere University of Technology
Volume: 31
ISSN (Print): 0359-7105

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 8931
Research output: Scientific - peer-review › Book

Minimikoti - näyttely: Kuopion asuntomessut 16.7.-15.8.2010

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Helamaa, A., Hedman, M.
Publication date: 2010

Event information
Media of output: Other
Links:
http://www.minimikoti.fi/homes.php

Bibliographical note
Helamaa, A. & Hedman, M.(toim).<br/>Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 8059
Research output: Solo art production › Exhibition

Minimikoti –näyttely: Megapolis 2025

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Hedman, M., Helamaa, A.
Publication date: 2010

Event information
Media of output: Print
Links:
Modernia aikaa etsimässä

General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Authors: Soini, K.
Pages: 74-76
Publication date: 2010
Peer-reviewed: No

Publication information
Journal: RY Rakennettu ympäristö
Issue number: 4/2010
ISSN (Print): 1457-9510
Original language: Finnish
Links:
http://www.rakennustietolehdet.fi

Monikulttuurisuus: segregaatio vai integraatio? Havaintoja New Yorkin naapurustoista

General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Authors: Lodenius, S.
Pages: 55-57
Publication date: 2010
Peer-reviewed: No

Publication information
Journal: RY Rakennettu ympäristö
Issue number: 1/2010
Original language: Finnish

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 9304
Research output: Scientific › Article

Nekapolis. Or the future of a part of the city

General information
State: Published
Ministry of Education publication type: A3 Part of a book or another research book
Organisations: School of Architecture
Authors: Kuusela, K.
Number of pages: 13
Pages: 95-107
Nykykaupunki ja suunnittelun projektiharha

General information
State: Published
Ministry of Education publication type: D2 Article in professional manuals or guides or professional information systems or text book material
Organisations: School of Architecture
Authors: Joutsiniemi, A.
Number of pages: 24
Pages: 80-103
Publication date: 2010

Host publication information
Title of host publication: APOLI 2010 Helsingin arkkitehtuuripoliittinen ohjelma 2010
Editors: Jääskeläinen, L., Jaskanen, L., Saarholma, M., Viertiö, S.
Links:
http://tinyurl.com/2wbvrvu

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 8230
Research output: Professional › Chapter

Näyttelyn keskiössä puu: mihin puu venyy, mitä metsä meille merkitsee? Tampereen teknillisen korkeakoulun arkkitehtuurin laitoksen taide3-kurssi, näyttelyssä n. 70 osallistujaa

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Lehtonen, H.
Publication date: 2010

Event information
Media of output: Print
Links:
http://onoma.org/fi/nayttelyt/puunsyy_fi.php

Bibliographical note
Lehtonen, H.(toim.).<br/>Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 8599
Research output: Solo art production › Design

Ojankaivajien valtakunnassa/in the realm of the ditchers

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture
Authors: Joutsiniemi, A.
Pages: 65-67
Publication date: 2010
Peer-reviewed: Yes

**Publication information**
Journal: Arkitehtti
Issue number: 2/2010
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: Finnish

**Bibliographical note**
Contribution: organisation=ark ays,FACT1=1
Publisher name: Suomen Arkitehtiliitto
Source: researchoutputwizard
Source-ID: 8231
Research output: Scientific - peer-review › Article

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**On tiptoes**
Exposition publique des projets primes Europan 10, 24-25.5.2010, Neuchatel, Switzerland

**General information**
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Alatalo, E., Hauru, J., Osara, V., Pirhonen, O.
Publication date: 2010

**Event information**
Media of output: Print

**Bibliographical note**
Architectural design: Alatalo, E., Hauru, J., Osara, V. & Pirhonen, O.<br>Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 7665
Research output: Solo art production › Design

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**On tiptoes**
Europan 10 results : inventing urbanity : regeneration, revitalization, colonization

**General information**
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Alatalo, E., Hauru, J., Osara, V., Pirhonen, O.
Publication date: 2010

**Event information**
Media of output: Print

**Bibliographical note**
Architectural design: Alatalo, E., Hauru, J., Osara, V. & Pirhonen, O.<br>Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 7666
Research output: Solo art production › Design

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**On tiptoes**
Exposition publique des projets primes Europan 10, 24-25.5.2010, Neuchatel, Switzerland

**General information**
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Alatalo, E., Hauru, J., Osara, V., Pirhonen, O.
Publication date: 2010

**Event information**
Media of output: Print

**Bibliographical note**
Architectural design: Alatalo, E., Hauru, J., Osara, V. & Pirhonen, O.<br>Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 7666
Research output: Solo art production › Design
Open Source Architecture: Johannesburg, South Africa

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Alatalo, E.
Number of pages: 11
Pages: 1-11
Publication date: 2010

Host publication information
Title of host publication: Nordic Association of Architectural Research NAAR Annual Conference 2010, From Gesamtkunstwerk to Complexity - Architecture in All Scales, Tampere, Finland, 22.-24.04.2010

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 7661
Research output: Scientific - peer-review › Conference contribution

Open Source Architecture: Johannesburg, South Africa

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Alatalo, E.
Pages: 91-92
Publication date: 2010

Host publication information
Title of host publication: 24th AESOP Annual Conference, Space is Luxury, Espoo, Finland, 7-10 July 2010
Links:

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 7662
Research output: Scientific - peer-review › Conference contribution

Parametrit vastaan kulttuuriset merkitykset

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Passinmäki, P.
Pages: 60-64
Publication date: 2010
Peer-reviewed: Unknown

Publication information
Journal: Arkkitehti
Issue number: 1
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: Finnish

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Alatalo, E.
Publication date: 2010

Event information
Media of output: Print

Pikkukaupunkien virikekirja

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Authors: Karppinen, S., Hynynen, A., Korkka, A., Pylvänen, R.
Number of pages: 110
Publication date: 2010

Publication information
Place of publication: Tampere
Publisher: KOKO-ohjelman DEMO- ja MAL-verkostot, Tampereen teknillinen yliopisto. EDGE arkkitehtuurin- ja kaupunkitutkimuslaboratorio, Ylä-Pirkanmaan seutuyhdistys
Original language: Finnish

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 7663
Research output: Solo art production › Design

Pirkkalan Pappilanranta, Pirkkala Parish Shore

General information
State: Published
Ministry of Education publication type: C2 Edited books
Organisations: School of Architecture
Authors: Pesonen, M. (ed.), Salonen, K. (ed.)
Publication date: 2010

Publication information
Publisher: Unknown Publisher
Original language: Finnish

Publication series
Purkubetoni kierrätetään tienpohjiksi - tulevaisuudessa ehkä myös taloihki.; Demolished concrete reused in road base courses - maybe also in houses in future.

Raahen Kummatti - lähiön muodonmuutos purkamalla

Reclaiming of fallow resources. Potential for breeding grounds or over-exploitation.
Reconstruction of architecture. New morphology, meaning and methodology for architecture

General information
State: Published
Ministry of Education publication type: A4 Article in a conference publication
Organisations: School of Architecture
Authors: Launis, T.
Number of pages: 53
Pages: 1-53
Publication date: 2010

Refining the method: Learning from action research

General information
State: Published
Ministry of Education publication type: A3 Part of a book or another research book
Organisations: School of Architecture
Authors: Ylä-Anttila, K.
Pages: 13-23
Publication date: 2010

Ritvala raikaa - historiaa ja nykyaikaa; Ritvalan kylän maankäytösuunnitelma

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Authors: Iivari-Hirvelä, M.
Romantiikan uudelleenarviointi/Re-assessing romanticism

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture
Authors: Koponen, O.
Pages: 44-48
Publication date: 2010
Peer-reviewed: Yes

Publication information
Journal: Arkitehtti
Issue number: 1
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: Finnish

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 8145
Research output: Professional › Commissioned report

Sanojen synty ja muita piirroksia, taidenäytteily

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Laiti, M.
Publication date: 2010

Event information
Media of output: Print

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 8562
Research output: Solo art production › Design
Summer-Container

General information
State: Published
Ministry of Education publication type: A3 Part of a book or another research book
Organisations: School of Architecture
Authors: Hedman, M.
Pages: 26-31
Publication date: 2010

Host publication information
Title of host publication: Minimum Dwelling Spaces
Editor: Broto, E.
ISBN (Print): 9788496969773
Links:
http://www.ribabookshops.com/item/minimum-dwelling-spaces/69193/

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 8149
Research output: Scientific - peer-review › Article

Suurmieskulttia syvemmälle; Beyond the Personality Cult

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture
Authors: Koponen, O.
Pages: 72-74
Publication date: 2010
Peer-reviewed: Yes

Publication information
Journal: Arkitehti
Issue number: 5/2010
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: Finnish
Teknologiaa ja terminaalitarkitehtuuria. Technology and Terminal Architecture

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture
Authors: Hynynen, A.
Pages: 24-27
Publication date: 2010
Peer-reviewed: Yes

Publication information
Journal: Arkitehti
Issue number: 2/2010
ISSN (Print): 0783-3660
Ratings:
Publication Forum (2017): 0
Publication Forum (2016): 0
Publication Forum (2015): 0
Original language: English

The development vision of Tulli Area. Masters's Thesis in Architecture, TUT 2008

General information
State: Published
Ministry of Education publication type: A3 Part of a book or another research book
Organisations: School of Architecture
Authors: Kiviranta, M.
Number of pages: 1
Pages: 109-109
Publication date: 2010

Host publication information
Title of host publication: Urban Fallows. Transformations & Breeding Grounds. City Scratching III. Tampere University of Technology. School of Architecture. Publication
Editor: Ylä-Anttila, K.

Tottijärven kunnaalla, maankäyttösuunnitelma Tottijärven kyläle

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Authors: Heikkilä, H.
Urban fallows. Transformations & breeding grounds

General information
State: Published
Ministry of Education publication type: C2 Edited books
Organisations: School of Architecture
Authors: Ylä-Anttila, K. (ed.)
Number of pages: 132
Publication date: 2010

Publication information
Place of publication: Tampere
Publisher: Tampere University of Technology
Original language: English

Publication series
Name: Tampere University of Technology. School of Architecture. Publication
Publisher: Tampere University of Technology
Volume: 2
ISSN (Print): 1797-4143

Bibliographical note
City of Tampere / Creative Tampere, NCC Property development Oy, Ramboll Finland Oy, UPM, City of Akaa, Council of Tampere Region<br>

Urban fallows Tampereesta

General information
State: Published
Ministry of Education publication type: B1 Article in a scientific magazine
Organisations: School of Architecture
Authors: Jäntti, A.
Pages: 10-11
Publication date: 2010
Peer-reviewed: No

Publication information
Journal: Arkkitehtiuutiset
Issue number: 12/2010
ISSN (Print): 0044-8915
Original language: Finnish

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 8191
Research output: Scientific › Article
**Waterfront and maritime museum: Lahdelma & Mahlamäki architects**

**General information**
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Nurmi, T., Lahdelma, I., Mahlamäki, R.
Publication date: 2010

**Event information**
Media of output: Print

**Bibliographical note**
Nurmi, T.(ed.). Architectural design: Lahdelma, I. & Mahlamäki, R.<br/>Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 8876
Research output: Solo art production › Design

**When Alvar Aalto found his own voice - Why I think Paimio tuberculosis sanatorium should be on the world heritage list**

**General information**
State: Published
Ministry of Education publication type: B3 Non-refereed article in conference proceedings
Organisations: School of Architecture
Authors: Koponen, O.
Number of pages: 3
Pages: 112-114
Publication date: 2010

**Host publication information**
Title of host publication: Integrity and authenticity in modern movement architecture - Case Paimio hospital. International expert seminar 1-2 October in 2009 in the Paimio Hospital
Editor: Salastie, R.
ISBN (Print): 978-952-67465-0-0

**Bibliographical note**
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 8427
Research output: Scientific › Conference contribution

**Yhteisöasumista Tammelaan; Näyttely TTY:n arkkitehtuurin laitoksen harjoitustöistä: Sampolan työväenopiston aula, Tampere 26.4.-16.5.2010**

**General information**
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Hedman, M., Helima, A.
Publication date: 2010

**Event information**
Media of output: Print

**Bibliographical note**
Poistettu tupla r=1269<br/>Contribution: organisation=ark ars,FACT1=1
Source: researchoutputwizard
Source-ID: 8027
Research output: Solo art production › Design
Yritysten sijoittuminen ja yhdyskuntarakenne

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture, Suomen ympäristökeskus SYKE - Finnish Environment Institute, Aalto University
Authors: Kontio, P., Rantanen, A., Simola, A., Jääskeläinen, R.
Pages: 72-99
Publication date: 2010

Host publication information
Title of host publication: Autoripuuvainen yhdyskuntarakenne ja sen vaihtoehdot. Tutkimushankkeen loppuraportti. YTK:n julkaisuja B
Editors: Kanninen, V., Kontio, P., Mäntysalo, R., Ristimäki, M.
Links:

Östersundomin osayleiskaavan kaupunkiekologinen ohjelma

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Authors: Haila, Y., Joutsiniemi, A., Kervinen, M., Lodenius, S.
Number of pages: 86
Publication date: 2010

Publication information
Place of publication: Helsinki
Publisher: Helsingin kaupunkisuunnitteluvirasto
ISBN (Print): 978-952-223-761-3
Original language: Finnish

Publication series
Name: Helsingin kaupunkisuunnitteluviraston yleissuunniteluosaston selvityksiä
Publisher: Helsingin kaupunkisuunnitteluvirasto
Volume: 2010:3
ISSN (Print): 1458-9664
Links:

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 8424
Research output: Professional › Commissioned report

2009 Helsinki - eurooppalainen metropoli, METROPOLITAN HORIZONS: Kaupunktutkimusnäyttely Laituri - näytellytilassa, Helsinki 17.4.-15.5.2009

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Iltanen, S.
Architects Lahdelma & Mahlamäki: Span Magazine

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Lahdelma, I., Mahlamäki, R.
Publication date: 2009

Event information
Media of output: Print

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 10230
Research output: Solo art production › Design

Energy efficient building experiment striving for realization, Leppavirta, Finland: Travelling exhibition Architect Award ABF 2009, Sept 2009-April 2010, Minsk (Belarus), Prague, Liberec, Olomouc, Brno and Ostrava (Czech)

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: School of Architecture
Authors: Alatalo, E., Osara, V.
Publication date: 2009

Event information
Media of output: Print

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 10602
Research output: Solo art production › Design

High Line - puisto ratakiskoissa/High Line - a new perspective on Manhattan

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture
Authors: Lodenius, S.
Pages: 54-56
Publication date: 2009
Peer-reviewed: Yes

Publication information
Journal: Arkkitehtti
Issue number: 6/2009
ISSN (Print): 0783-3660
Ratings:
Korjausrakentamisen esimerkkejä Saksassa

General information
State: Published
Ministry of Education publication type: D1 Article in a trade journal
Organisations: School of Architecture
Authors: Huuhka, S.
Pages: 44-49
Publication date: 2009
Peer-reviewed: Unknown

Publication information
Journal: Betoni
Issue number: 4
ISSN (Print): 1235-2136
Original language: Finnish

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 10211
Research output: Professional › Article

Länsiradan maankäytön kehityskuvalyvyys Espoo-Kirkkonummi-Vihti-Lohja

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: School of Architecture
Authors: Kotilainen, H., Lodenius, S., Pesonen, H.
Publication date: 2009

Publication information
Place of publication: Oulu
Publisher: Unknown Publisher
Original language: Finnish

Publication series
Name: Espoon, Helsingin ja Lohjan kaupungit, Kirkkonummen ja Vihdein kunnat, Uudenmaan liitto, Uudenmaan tiepiiri ja Ratahallintokeskus

Bibliographical note
Contribution: organisation=ark ays,FACT1=1
Source: researchoutputwizard
Source-ID: 10533
Research output: Professional › Commissioned report

Salokunnan seurakuntatalo 1960, Timo Penttilä/Salokunta's parish house

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: School of Architecture
The Hervanta Central Axis and the Myth about the Finnishness of Reima Pietilä's Architecture

General information
State: Published
Ministry of Education publication type: B2 Part of a book or another research book
Organisations: School of Architecture
Authors: Koponen, O.
Pages: 48-61
Publication date: 2009

Host publication information
Title of host publication: Raili y Reima Pietilä: un desafío a la arquitectura moderna = Raili and Reima Pietilä: challenging modern architecture
Place of publication: Madrid
Publisher: Museo Collecciones ICO
Editor: Johansson, E.
ISBN (Print): 978-84-936568-1-2

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 10504
Research output: Scientific › Chapter

Mouhijärven kirjasto

General information
State: Published
Ministry of Education publication type: A1 Journal article-refereed
Organisations: Yhdyskuntasuunnittelu
Authors: Iltanen, S.
Publication date: 2007
Peer-reviewed: Yes

Publication information
Journal: Puulehti
Issue number: 2/2007
Original language: Finnish

Bibliographical note
Contribution: organisation=ays,FACT1=1
Source: researchoutputwizard
Source-ID: 14397
Studio-Talk - Pietilän suunnittelupuheen jäljillä

General information
State: Published
Ministry of Education publication type: D2 Article in professional manuals or guides or professional information systems or textbook material
Organisations: School of Architecture
Authors: Passinmäki, P.
Pages: 58-63
Publication date: 2007

Host publication information
Title of host publication: Polkuja Pietilän maastoon. Taiteentutkija
Place of publication: Helsinki
Publisher: Rakennustaiteen seura, Taidehistorian seura
Editors: Niskanen, A., Jetsonen, S., Lindh, T.
ISBN (Print): 978-951-98331-4-9
Links:
http://www.rakennustaiteenseura.fi/taiteentutkija/

Bibliographical note
Contribution: organisation=ark aht,FACT1=1
Source: researchoutputwizard
Source-ID: 8949
Research output: Professional › Chapter

Uutta Arkkitehtuuria: Tampereen pääkirjasto Metso 2007

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: Yhdyskuntasuunnittelu
Authors: Iltanen, S.
Publication date: 2007

Event information
Media of output: Print

Bibliographical note
Contribution: organisation=ays,FACT1=1
Source: researchoutputwizard
Source-ID: 14398
Research output: Solo art production › Design

Keski-Uudenmaan KUUMA-kuntien kehitys- ja ympäristökuva, Hyvinkääntä koskeva laajennusosio, 2005

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: Yhdyskuntasuunnittelu
Authors: Lodeniis, S., Silfverberg, B., Santasalo, T.
Publication date: 2006

Publication information
Publisher: Unknown Publisher
Original language: Finnish
Links:

Bibliographical note
Contribution: organisation=ays,FACT1=1
Source: researchoutputwizard
Diplomityönäyttely: Kohti uutta arkkitehtuuria. Arkkitehtitoimijoiden diplomitöitä kolmesta koulusta: Suomen Rakennustaitteen museo, Helsinki 13.4.-5.6.2005

General information
State: Published
Ministry of Education publication type: F1 Published independent work of art
Organisations: Yhdyskuntasuunnittelu
Authors: Iltanen, S.
Publication date: 2005

Event information
Media of output: Print

Bibliographical note
Contribution: organisation=ays,FACT1=1
Source: researchoutputwizard
Source-ID: 18455
Research output: Solo art production › Design

Mouhijärven kirjasto - suunnittelusta toteutukseen.

General information
State: Published
Ministry of Education publication type: D4 Published development or research report or study
Organisations: Yhdyskuntasuunnittelu
Authors: Iltanen, S.
Publication date: 2004

Publication information
Publisher: Unknown Publisher
Original language: Finnish

Bibliographical note
Contribution: organisation=ays,FACT1=1
Source: researchoutputwizard
Source-ID: 20253
Research output: Professional › Commissioned report