

Pohjoismaiden energiapolitiikka 2030
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Translated title of the contribution: : Insentiivit julkisen sektorin innovaatiotoiminnan edistämisen välineinä. Esimerkkinä Georgian osavaltion palvelu-uudistus

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Translated title of the contribution: : Käänteiset infrastruktuurit ja integroiva infrastruktuuripolitiikka

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5th IWHA Conference. Tampere Finland 2007. Pasts and Futures of Water. University of Tampere 13-17 June 2007

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Translated title of the contribution: : Vesihuoltotoimintojen ulkoistaminen Suomessa

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Translated title of the contribution: : Ikääntyvä infra - vesihuollon keskeisin haaste

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Bacterial diversity and active biomass in full-scale granular activated carbon filters operated at low water temperatures

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Translated title of the contribution: : Lyhyestä tiede kaunis?

Water and the city

Book review : Oestigaard, T. 2013. Water, Christianity and the rise of capitalism. London, New York: I.B. Tauris. ISBN 978-1-78076-066-7, 209 pages

Vesihuollon kehitys ja yhteiskunnallinen merkitys : Hapertuvatko hanat?

Translated title of the contribution: : Vesihuollon kehitys ja yhteiskunnallinen merkitys : Hapertuvatko hanat?

Integration of water and wastewater utilities

Book Review: Graham, S. (Ed.), Disrupted Cities: When Infrastructure Fails

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Translated title of the contribution: : Dags att syna utmaningarna inom vattenförsörjningen

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Yhdysvaltain vesihuollossa julkissektori avainasemassa. Haasteina niukentuvien vesivarojen hallinta ja ikääntyvä infrastruktuuri

Translated title of the contribution: : Yhdysvaltain vesihuollossa julkissektori avainasemassa. Haasteina niukentuvien vesivarojen hallinta ja ikääntyvä infrastruktuuri

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The need for "champions" in rural water supply

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Translated title of the contribution: : Operational water services are not self evident

Vesihuollon koulutus on erinomaista kehitysyhteistyötä

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Translated title of the contribution: : Water Services Education presents excellent development cooperation: Discussion forum.

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Global challenges and role of institutions in water services

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Translated title of the contribution: : Book review: How modern water pollution control was achieved?: For the sake of waters. Phases of Finnish water pollution control

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Translated title of the contribution: : Water Services in Urbanising Societies

Finnish water services

Experiences in global perspective

Finland's Water Services: Looking to its Past to Figure Out its Future.

Water Services Development and Governance in Finland. Feature Article. JAWWA. 110, 5: 50-55.

Suomen vesihuollon kehitys kansainvälisessä kontekstissa

Translated title of the contribution: : Development of Finnish water services in international perspective

Kirja-arviointi: Yliopistomme vaarassa hukkuu byrokraatiin.

Pekka Kauppi. Kahlittu yliopistomme. Miten vapaudumme byrokraatiasta ja opetuksen ylenkatsomisesta. Into Kustannus Oy. 2017.

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WC-tilat ja -opasteet vain likana silmissämme?

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Translated title of the contribution: : Water services safequaring our environment: beliefs and realities

Book Review: Time for Customer Orientation in Water Utilities Customer experience management for water utilities. Marketing urban water supply

The effect of torrefaction on the chlorine content and heating value of eight woody biomass samples

Economic analysis of hydrogen production by methane thermal decomposition
Comparison to competing technologies

Pollutants source control and health effects

Deterioration mechanisms and life cycle of concrete monoblock railway sleepers in Finnish conditions

Radon, fungal spores and MVOCs reduction in crawl space house
A case study and crawl space development by hygrothermal modelling

Effect of N/S ratio on anoxic sulfide oxidizing bioreactors

Long-term performance evaluation of an anoxic sulfur oxidizing moving bed biofilm reactor under nitrate limited conditions

Transient-state operation of an anoxic biotrickling filter for H₂S removal

Hydrogen sulfide removal from synthetic biogas using anoxic biofilm reactors

Influence of temperature and pretreatments on the anaerobic digestion of wastewater grown microalgae in a laboratory-scale accumulating-volume reactor

Recycling mine tailings in chemically bonded ceramics - A review

The most difficult at-fault fatal crashes to avoid with current active safety technology

Commercialising reclaimed materials in earthworks – guidelines for productization and the process of appending these materials in the Finnish national code of practice

Kinetics of biomass pyrolysis

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Comparing the energy required for fine grinding torrefied and fast heat treated pine

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Cardiac Pacemakers in Electric and Magnetic Fields of 400-kV Power Lines
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Translated title of the contribution: : Testattua tahdistusta

Examples of using the moodle virtual learning environment for teaching technical university students

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Measurers' Exposure to Extremely Low Frequency Magnetic Fields at 400 kV Substations

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Translated title of the contribution: : Sähkö- ja elektroniikkateollisuuden ympäristökysymykset

Mental symptoms and the use of new technical equipment

Self-reported use of ICT (Information and communication technology) uptake in 2002 and discomfort amongst Finns aged 45-66

Työntekijöiden altistuminen sähkö- ja magneettikentille 110 kV sähköasemien työtehtävissä

Translated title of the contribution: : Työntekijöiden altistuminen sähkö- ja magneettikentille 110 kV sähköasemien työtehtävissä

Occupational Exposure to Electric and Magnetic Fields While Working at Switching and Transforming Stations of 110 kV

Occupational exposure to electric and magnetic fields during work tasks at 110 kV substations in the Tampere region

Working-aged population's mental symptoms and the use of the Internet

Experiences of integrating MSc student research projects in the "electromagnetic fields and health" area

Accidents and close call situations connected to the use of mobile phones

White-Collar Workers' Self-Reported Physical Symptoms Associated With Using Computers

A comparison of occupational electric field exposures during working tasks at 400 kV and 110 kV substations

Comparison between the Occupational ELF magnetic field exposure in Finland and in Italy

The designing and the implementation of WWW-course "Electricity, Electronics and Environment"

Occupational exposure to electric fields and induced currents associated with 400 kV substation tasks from different service platforms

Physical symptoms in young adults and their use of different computers and mobile phones

Testing activity-based costing to large-scale combined heat and power plant using bioenergy

Nitrogen recovery from reject water in a 3-chamber bioelectroconcentration cell

Towards enhanced nutrient recovery, biogas production and upgrading through AD and BES integration

Effect of HRT on nitrogen recovery from real reject water in a 3-chamber bioelectroconcentration cell

Influence of Diffusion Barriers on Thermal Ageing Behaviour of Solar Absorber Coatings on Copper

A method for design of sound insulation of glazed balconies against traffic noise

Elimination of arsenic-containing emissions from gasification of chromated copper arsenate wood

Perfusion characterization using flow simulations and μ PIV measurements

Revisiting cellulase production and redefining current strategies based on major challenges Article reference: RSER5103

Bilateral collaboration in municipal water and wastewater services in Finland

Vesihuollon ylikunnalliset sopimukset lisääntymässä

Translated title of the contribution: : Vesihuollon ylikunnalliset sopimukset lisääntymässä

Managed aquifer recharge in community water supply: the Finnish experience and some international comparisons

Groundwater as a source of conflict and cooperation

Towards creating mutual gains in a Finnish water supply project

Negotiating Groundwater Governance

Lessons from Contentious Aquifer Recharge Projects

Importance and challenges of sharing experiences among an international and interdisciplinary group of doctoral students

Negotiating water governance: towards cooperation in contentious groundwater recharge projects

Cracking of the End Diaphragm of a Post-tensioned Beam Bridge

TTY:ssä panostetaan pakkausalaan

Translated title of the contribution: : TTY:ssä panostetaan pakkausalaan

A laboratory listening experiment on subjective and objective rating of impact sound insulation of concrete floors

Rating the impact sound insulation of concrete floors with single-number quantities based on a psychoacoustic experiment

Planning land use for biogas energy crop production

The potential of cutaway peat production lands

Landowners' willingness to promote bioenergy production on wasteland – future impact on land use of cutaway peatlands

Fate of trace elements during and after anaerobic digestion: a sequential extraction method and DGT technique to assess bio-accessible trace elements in digestate

Betonielementtien uudelleenkäyttömahdollisuudet

Translated title of the contribution: : Betonielementtien uudelleenkäyttömahdollisuudet

Turning up the heat on printability

Turning up the heat on printability

Influence of atmospheric plasma treatment on surface properties and inkjet printability of plastic packaging film

Paperinjalostus- ja pakkaustekniikan tutkimusyksikkö uudistaa kurssitarjontaa

Translated title of the contribution: : Paperinjalostus- ja pakkaustekniikan tutkimusyksikkö uudistaa kurssitarjontaa

Nanoscale Surface Processing of Extrusion Coated Substrates with Atmospheric Plasma Technology

Water Supply and Sanitation in a Green Economy Society

The Case of Finland

Production of Electricity and Butanol from Microalgal Biomass in Microbial Fuel Cells

Mine wastewater treatment using *Phalaris arundinacea* plant material hydrolyzate as substrate for sulfate-reducing bioreactor

Hydrolysed cellulose material as sulfate reduction electron donor to treat metal- and sulfate containing waste water

Biogenic hydrogen and methane production from reed canary grass

Biogenic hydrogen and methane production from *Chlorella vulgaris* and *Dunaliella tertiolecta* biomass

Engineering and kinetic aspects of bacterial uranium reduction for the remediation of uranium contaminated environments

Editorial

Comparison of the total mercury content in sediment samples with a mercury sensor bacteria test and *Vibrio fischeri* toxicity test

Kyläyhteisöt palvelukulutuksen alustana

Translated title of the contribution: : Kyläyhteisöt palvelukulutuksen alustana

Power generation in fed-batch and continuous up-flow microbial fuel cell from synthetic wastewater

Particulate Mass and Nonvolatile Particle Number Emissions from Marine Engines Using Low-Sulfur Fuels, Natural Gas, or Scrubbers

Comparison of air pressure difference, air change rates, and CO2 concentrations in apartment buildings before and after energy retrofits

Kirjastolta uutta tiedonhankinnan opetusta tukemaan opetusta antavien yksiköiden toimintaa

Translated title of the contribution: : Kirjastolta uutta tiedonhankinnan opetusta tukemaan opetusta antavien yksiköiden toimintaa

KUPERA-kaupunkien teknisen sektorin johto kaipaa toimintakulttuuriin muutosta : Haasteista innovatiivisiin mahdollisuuksiin

Translated title of the contribution: : KUPERA-kaupunkien teknisen sektorin johto kaipaa toimintakulttuuriin muutosta : Haasteista innovatiivisiin mahdollisuuksiin

Effect of Temperature on Fume Formation and Deposition in Kraft Recovery Boilers - a Modeling Approach

Study of Aerosols of Black Liquor Combustion

Modeling of Fine Particles and Alkali Metal Compounds in Kraft Recovery Boiler Furnace

CFD-Modeling of Fume Formation in Kraft Recovery Boilers

Modeling fine particles and alkali metal compound behavior in a kraft recovery boiler

CFD-modeling of fume formation in kraft recovery boilers

Numerical modeling of fine particle and deposit formation in a recovery boiler

CFD Based Modelling for Predicting Fouling and Corrosion in Kraft Recovery Boilers

Modelling fume deposit growth in recovery boilers: effect of flue gas and deposit temperature

Liite 6: Yleistä kaivannaisjätealueista ja patoturvallisuudesta

Full scale landfill bottom liner test structures at Ämmässuo landfill, Espoo, Finland

Acceptability of contaminated soils and waste materials in landfill structures

Geo + Ympäristö = Ympäristögeotekniikka?

Translated title of the contribution: : Geo + Environment = Environmental Geotechnics?

Kokeellinen tutkimus savupiipun läpivientieristeen orgaanisen aineen palamisen vaikutuksesta paloturvallisuuteen

Translated title of the contribution: : Experimental study on the effects of smouldering combustion of organic content in chimney penetration insulation on fire safety

Technical suitability of the fine fraction of municipal solid waste incineration bottom ash to the landfill capping liner

Liikenteen päästötavoitteiden saavuttaminen 2030 - politiikkatoimenpiteiden tarkastelu

Yli 60 tonnin yhdistelmät parantaneet kuljetusten tehokkuutta

Possible Impact of Long and Heavy Vehicles in the United Kingdom—A Commodity Level Approach

Sähköautoilun edistäminen vaatii latausmahdollisuuksien kehittämistä

CO2 reduction costs and benefits in transport: socio-technical scenarios

The potential of electric trucks – An international commodity-level analysis

Measures for Energy Efficient and Low Emission Private Mobility

The effect of anode potential on bioelectrochemical and electrochemical tetrathionate degradation

Ballast bed

Sleepers

Älypölkky, radan monitorointi, kreosoottipölkyn korvaavat vaihtoehdot

Tutkimusohjelma Elinkaaritehokas RAta (TERA)
Kokonaisvaltainen ote ratarakennetutkimukseen

Fate of dissolved organic matter in softwood element-chlorine-free bleached kraft mill fiberline

Biological methane oxidation in landfill cover soil - constrained by concurrent decomposition processes and sulphide oxidation?

Methane oxidation potential of boreal landfill cover materials: The governing factors and enhancement by nutrient manipulation

Factors affecting the elimination capacity of a passive methane biofilter

Evaluation of methods for enhancing methane oxidation via increased soil air capacity and nutrient content in simulated landfill soil cover

ADM1 Based Mathematical Models For Assessing The Effect Of Trace Elements Dynamics On Solid Waste Anaerobic Digestion

Joukkoliikenteellä on tärkeä rooli liikenteen päästöjen vähentämisessä

Effect of heavy metal co-contaminants on selenite bioreduction by anaerobic granular sludge

Continuous removal and recovery of tellurium in an upflow anaerobic granular sludge bed reactor

Editorial to “The best papers from the 32nd International Symposium on Automation and Robotics in Construction and Mining (ISARC 2015)”

Improved bioconversion of crude glycerol to hydrogen by statistical optimization of media components

Co-production of 1,3 propanediol and long-chain alkyl esters from crude glycerol

Sisäympäristön laadun ja terveellisuuden arviointi energiaparannuskohteissa

Simultaneous nutrient removal and lipid production with *Chlorella vulgaris* on sterilized and non-sterilized anaerobically pretreated piggery wastewater

Selecting an indigenous microalgal strain for lipid production in anaerobically treated piggery wastewater

Production of Oleaginous Microbial Biomass by Reusing Wastewaters

Rakennusten energiankulutuksen perusskenaario Suomessa 2015-2050

Translated title of the contribution: : Basic scenario of the energy consumption of building stock in Finland 2015-2050

Modeling of Finnish building sector energy consumption and greenhouse gas emission specification of POLIREM policy scenario model

Anxiety vs reality – Sufficiency of battery electric vehicle range in Switzerland and Finland

Highly compact TiO₂ films by spray pyrolysis and application in perovskite solar cells

Stabilization of fine fraction from landfill mining in leach bed reactor

Characterization of fine fraction from landfill mining for evaluating methane potential

Characterization of fine fraction mined from two Finnish landfills

Stabilization of fine fraction from landfill mining in anaerobic and aerobic laboratory leach bed reactors

Ravinnevisio

Selvitys Pirkanmaan puhdistamolietteen ja biojätteiden ravinteista ja niiden potentiaalisesta käytöstä

Screening biological methods for laboratory scale stabilization of fine fraction from landfill mining

Characterization and biological stabilization of fine fraction from landfill mining

Scaling up the treatment of the fine fraction from landfill mining
Mass balance and cost structure

Waste water treatment by multi-stage biofilm processes : Results of the VESITURVA project

Bioenergy consumption and biogas potential in Cambodian households

Modeling of autonomous power systems - A mathematical model of a hybrid power system

Rural electrification of remote areas - Case studies of two renewable energy projects in Laos and The Philippines

Rural energy survey and scenario analysis of village energy consumption: A case study in Lao People's Democratic Republic

Metals removal and recovery in bioelectrochemical systems
A review

Recent advances in nutrient removal and recovery in biological and bioelectrochemical systems

Hybrid barrier films by atmospheric inline plasma deposition on sol-gel coated PE-cardboard

Flotaatiokennon injektorin diffuusori

Atmospheric plasma enhanced hybrid barrier films through reel-to-reel process

Simulointi nopeuttaa käyttöä määritystä

Application oriented wear testing of wear resistant steels in mining industry

Modelling of seep through of humidity to electric connector with stochastic processes

Impacts of short-term temperature fluctuations on biohydrogen production and resilience of thermophilic microbial communities

Reduction of combustion-generated emissions by means of multiobjective optimization and computational fluid dynamics

Examples to Reduce the EMF Generated by HV Power Transmission Lines of Different Design

Ecological Sanitation - A Logical Choice? The Development of the Sanitation Institution in a World Society

An example of exposure to magnetic fields in the home

Fluidized bed bioreactor for multiple environmental engineering solutions

Exposure to electric and magnetic fields at 110 kV substation while performing the task 'Changing a bulb from a man hoist' in the Tampere region

Occupational Exposure to Extremely Low Frequency Electric Fields in Office Work

Comparison the portable service platforms influence to electric field exposure at 110 kV substations

The doors of operating devices mitigation influence to the electric field exposure at 110kV substation tasks on service platforms

Developing and testing characterization methods for droplet combustion - Part I

Developing and testing characterization methods for droplet combustion - part II

The potential of biomethane in replacing fossil fuels in heavy transport-a case study on Finland

Feasibility of Flexible Biomass Utilization in Energy Systems

Revisiting the feasibility of biomass-fueled CHP in future energy systems – Case study of the Åland Islands

The effect of climate change on freeze-thaw durability of concrete structures in Finland

Removal of odours in dry toilets by biofiltration

Biofiltration of odours in dry toilet air

Fungal treatment of landfill mining fine fraction to increase its stability and end-use potential

Effect of geometrical parameters on vortex-induced vibration of a splitter plate

Arsenic in bedrock, soil and groundwater - The first arsenic guidelines for aggregate production established in Finland

High-solids anaerobic digestion requires a trade-off between total solids, inoculum-to-substrate ratio and ammonia inhibition

Catalytic effect of Ca and K on CO₂ gasification of spruce wood char

Vesi kuntayhteistyön voiteluaineena

Translated title of the contribution: : Vesi kuntayhteistyön voiteluaineena

Diversity of the water supply and sanitation sector: roles of municipalities in Europe

Reducing CO₂ emissions from freight

Recent developments in freight transport in the Nordic countries and instruments for CO₂ reductions

Gender comparison - The university students' exam results in the environmental and energy area

The effect of lake bottom sediment layers on radionuclide transport from bedrock to biosphere and doses to humans

Rural household electricity load profiles with a load simulation tool

Environmental impact of micropollutants present in urine

Two Years after Donor Funding Ended: Success Factors for Schools to Keep their Urine-Diverting Dry Toilets (UDDTs) Clean and Well Maintained

Simultaneous detection of three antiviral and four antibiotic compounds in source-separated urine with liquid chromatography

Bioprocessing of enhanced cellulase production from a mutant of *Trichoderma asperellum* RCK2011 and its application in hydrolysis of cellulose

Kuka päättää vesihuollon tulevaisuudesta? (Who decides on the future of the water supply?)

Translated title of the contribution: : Kuka päättää vesihuollon tulevaisuudesta? (Who decides on the future of the water supply?)

Pohjavesi, meidän vesi

Verkoston varrella

Asiakkaat, verkostot ja henkilöstö

Asset Life Cycle Management in Finnish Water Utilities

Genesis of Water supply and sanitation services in Finland

Translated title of the contribution: : Vesihuoltopalveluiden synty Suomessa: Editorial

Students' Perceived Priorities on Water as a Human Right, Natural Resource, and Multiple Goods

Historical development paths and means for winning the challenge of aging water services infrastructure

Nature and extent of potable water consumption in Tampere (Finland) and Carletonville (South Africa)

Luminescent bacteria-based sensing method for methylmercury specific determination

Sanitation, water and health

Access to Water? Dynamic Capacity Change for Sustainable Rural Water and Sanitation Services for All

Diversity of microcystin-producing cyanobacteria in spatially isolated regions of Lake Erie

Bacterial community transcription patterns during a marine phytoplankton bloom

Spatial variations in bacterial and archaeal abundance and community composition in boreal forest pine mycorrhizospheres

Methylophaga and Hyphomicrobium can be used as target genera in monitoring saline water methanol-utilizing denitrification

Methylophilaceae and Hyphomicrobium as target taxonomic groups in monitoring the function of methanol-fed denitrification biofilters in municipal wastewater treatment plants

Experimental study of oxy-fuel combustion in a drop tube reactor

Coal char combustion in O₂/N₂ and O₂/CO₂ conditions in a drop tube reactor: an optical study

Effect of particle size and dispersion status on cytotoxicity and genotoxicity of zinc oxide in human bronchial epithelial cells

Subpicosecond to Second Time-Scale Charge Carrier Kinetics in Hematite-Titania Nanocomposite Photoanodes

Näkökulma-kolumni: Putkiremontit kestävät aivan liian kauan

Towards bioproduction of poly- α -olefins from lignocellulose

Halogen-Bond-Assisted Photoluminescence Modulation in Carbazole-Based Emitter

Rewiring the wax ester production pathway of acinetobacter baylyi ADP1

Replacing centralised waste and sanitation infrastructure with local treatment and nutrient recycling
Expert opinions in the context of urban planning

Gestao e organizacao dos servicos de saneamento : Abordagens europeias.

Translated title of the contribution : Gestao e organizacao dos servicos de saneamento : Abordagens europeias.

Autolaskurin käyttöopas ja laskennan perusteet

Sähköautoilla suuri vähennys päästöihin - pian myös kilpailukykyiseen hintaan

Erosion testing of filled and/or reinforced vinyl ester composites in water medium at elevated temperature

Acetotrophic Activity Facilitates Methanogenesis from LCFA at Low Temperatures
Screening from Mesophilic Inocula

High rate anaerobic treatment of LCFA-containing wastewater at low temperature

Increasing oxygen deficiency changes rare and moderately abundant bacterial communities in coastal soft sediments

Carbazole-based small molecule electron donors
Syntheses, characterization, and material properties

Are there environmental or agricultural benefits in using forest residue biochar in boreal agricultural clay soil?

Valorization of Finnish mining tailings for use in the ceramics industry

To fractionate municipal solid waste incineration bottom ash: Key for utilisation?

Innovative use of recovered municipal solid waste incineration bottom ash as a component in growing media

Combining mineral fractions of recovered MSWI bottom ash: improvement for utilization in civil engineering structures

Mechanical properties of recovered municipal solid waste incineration bottom ash: the influence of aging and changes in moisture content

Energistä utopiaa?