Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Chapter

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Research output: Professional › Paper, poster or abstract
Kähkönen, Tommi; Alanne, Aki; Pekkola, Samuli; Smolander, Kari / Explaining the challenges in ERP development networks with triggers, root causes, and consequences.
Research output: Scientific › peer-review › Article

Huhtamäki, Jukka; Basole, Rahul C.; Still, Kaisa; Russell, Martha G.; Seppänen, Marko / Visualizing the Geography of Platform Boundary Resources: The Case of the Global API Ecosystem.
Research output: Scientific › peer-review › Conference contribution

Menon, Karan; Kärkkäinen, Hannu; Jussila, Jari; Huhtamäki, Jukka; Mukkamala, Raghava Rao; Lasrado, Lester Allan; Vatrapu, Ravi; Hussain, Abid / Analysing the role of crowdfunding in entrepreneurial ecosystems: A social media event study of two competing product launches.
Research output: Scientific › peer-review › Article

Suoja, Kari; Liukkonen, Jari; Jussila, Jari; Salonius, Henna; Venho, Niina; Sillanpää, Virpi; Vuori, Vilma; Helander, Nina / Application for pre-processing and visualization of electrodermal activity wearable data.
Research output: Scientific › peer-review › Conference contribution

Rossi, Matti; Smolander, Kari; Pekkola, Samuli / Digitaalinen alustatalous.
Research output: Professional › Chapter

Stormi, Kati; Laine, Teemu; Suomala, Petri; Elomaa, Tapio / Forecasting sales in industrial services: modeling business potential with installed base information.
Research output: Scientific › peer-review › Article

Tsantekidis, Avraam; Passalis, Nikolaos; Tefas, Anastasios; Kanniainen, Juho; Gabbouj, Moncef; Iosifidis, Alexandros / Forecasting stock prices from limit order book using convolutional neural networks.
Research output: Scientific › peer-review › Conference contribution

Smolander, Kari; Rossi, Matti; Pekkola, Jyri Samuli / Infrastructures, integration and architecting during and after digital transformation.
Research output: Scientific › peer-review › Chapter

Vilminko-Heikkinen, Riikka; Pekkola, Samuli / Master data management and its organizational implementation: an ethnographical study within the public sector.
Research output: Scientific › peer-review › Article

Lohan, Elena-Simona; Nurmi, Jari; Seco-Granados, Gonzalo; Wymeersch, Henk; Nykänen, Ossi / MULTI-POS: Lessons Learnt from Fellows and Supervisors.
Research output: Scientific › peer-review › Chapter

Research output: Scientific - peer-review › Conference contribution

Pani, Danilo; Rubel, Paul; Fayn, Jocelyne; Badilini, Fabio; Macfarlane, Peter; Väri, Alpo / SCP-ECG V3.0: An Enhanced Standard Communication Protocol for Computer-assisted Electrocardiography.

Research output: Scientific - peer-review › Conference contribution

Vääätäjä, Heli; Ahtinen, Aino / Integrating mobile orienteering to team forming activity in a software engineering course.
Research output: Scientific - peer-review › Conference contribution

Aramo-Immonen, H.; Ammirato, S.; Jussila, J. / Blogging as a virtual co-learning environment in the international course context.
Research output: Scientific - peer-review › Conference contribution

Jussila, Jari ; Aramo-Immonen, Heli / Experienced risks in social media use – longitudinal study among university students.
Research output: Scientific - peer-review › Conference contribution

Huttunen, Heikki; Shokrollahi Yancheshmeh, Fatemeh; Chen, Ke / Car Type Recognition with Deep Neural Networks.
Research output: Scientific - peer-review › Conference contribution

Nykänen, Lasse ; Lauhkonen, Arttu / Vastuullisuusmallin kokeiluprojekti henkilöllisyydensäilytykissä.
Helsinki : Liikenteen turvallisuusvirasto Trafi, 2016. (Trafin tutkimuksia; No. 13).
Research output: Professional › Commissioned report

Väri, Alpo; Blake, Rachelle; Roberts, Jean; Fenton, Susan; Cleary, Mary; Zacks, Scott; Datta, Gora; Kaye, Rachelle; Parker, Jamie; Nguyen, Christina; Dougherty, Michelle; Barry, Nessa; Cunningham, Frank / Transatlantic collection of health informatics competencies.
Research output: Scientific - peer-review › Article

Rahmataallah, Yasir; Emmert-Streib, Frank; Glazko, Galina / Gene set analysis approaches for RNA-seq data: performance evaluation and application guideline.
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Research output: Scientific - peer-review › Article

Merilahti, Juho; Viramo, Petteri; Korhonen, Ilkka / Wearable monitoring of physical functioning and disability changes, circadian rhythms and sleep patterns in nursing home residents.
In: IEEE Journal of Biomedical and Health Informatics, Vol. 20, No. 3, 01.05.2016, p. 856-864.
Research output: Scientific - peer-review › Article

Mimilakis, Stylianos Ioannis; Drossos, Konstantinos; Virtanen, Tuomas; Schuller, Gerald / Deep Neural Networks for Dynamic Range Compression in Mastering Applications.
Research output: Professional › Conference contribution
Hassan, S. Sakira; Ruusuvuori, Pekka; Latonen, Leena; Huttunen, Heikki / Flow Cytometry-Based Classification in Cancer Research: A View on Feature Selection.
Research output: Scientific - peer-review › Article

Ledesma, Andres; Al-Musawi, Mohammed; Nieminen, Hannu / Health figures: an open source JavaScript library for health data visualization.
In: BMC Medical Informatics and Decision Making, Vol. 16, No. 1, 38, 22.03.2016.
Research output: Scientific - peer-review › Article

Kiranyaz, Serkan; Ince, Turker; Gabbouj, Moncef / Real-Time Patient-Specific ECG Classification by 1-D Convolutional Neural Networks.
Research output: Scientific - peer-review › Article

Aytekin, Caglar; Kiranyaz, Serkan; Gabbouj, Moncef / Learning to rank salient segments extracted by multispectral quantum cuts.
Research output: Scientific - peer-review › Article

Tuisku, Outi; Rantanen, Ville; Surakka, Veikko / Longitudinal study on text entry by gazing and smiling.
Research output: Scientific - peer-review › Conference contribution

Parascandolo, Giambattista; Huttunen, Heikki; Virtanen, Tuomas / Recurrent Neural Networks for Polyphonic Sound Event Detection in Real Life Recordings.
Research output: Scientific - peer-review › Conference contribution

Cortes, Santiago; Suominen, Olli; Gotchev, Atanas / Depth Assisted Composition of Synthetic and Real 3D Scenes.
Research output: Scientific - peer-review › Conference contribution

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Research output: Scientific - peer-review › Conference contribution

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Research output: Scientific - peer-review › Article

Vermeeren, Arnold P.O.S.; Roto, Virpi; Väänänen, Kaisa / Design-inclusive UX research: design as a part of doing user experience research.
Research output: Scientific - peer-review › Article

Kuosa, Kirsi; Distante, Damiano; Tervakari, Anne; Cerulo, Luigi; Fernández, Alejandro; Koro, Juho; Kailanto, Meri / Interactive Visualization Tools to Improve Learning and Teaching in Online Learning Environments.
Research output: Scientific - peer-review › Article
Oliveira, Samuel M.D.; Neeli-Venkata, Ramakanth; Goncalves, Nadia S.M.; Santinha, Joao; Martins, Leonardo; Tran, Huy; Mäkelä, Jarno; Gupta, Abhishek; Barandas, Marilla; Häkkinen, Antti; Lloyd-Price, Jason; Fonseca, Jose M.; S. Ribeiro, Andre / Increased cytoplasm viscosity hampers aggregate polar segregation in Escherichia coli.
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Chukhman, Ilya; Jiao, Yang; Salem, Haifa Ben; Bhattacharyya, Shuvra S. / Instrumentation-Driven Validation of Dataflow Applications.
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Sumiala, Johanna; Tikka, Minttu; Huhtamäki, Jukka; Valaskivi, Katja / #JeSuisCharlie: Towards a Multi-Method Study of Hybrid Media Events.
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Research output: Scientific - peer-review › Article

Vehmas, Risto / Liikekompensaatio- ja autofokusmenetelmät SAR- ja ISAR-tutkien signaalinkäsittelyssä.
Research output: Professional › Book

Schneegass, Stefan; Olsson, Thomas; Mayer, Sven; van Laerhoven, Kristof / Mobile Interactions Augmented by Wearable Computing: a Design Space and Vision.
Research output: Scientific - peer-review › Article

Dumitrescu, Bogdan; Sicleru, Bogdan C.; Avram, Florin / Modeling probability densities with sums of exponentials via polynomial approximation.
Research output: Scientific - peer-review › Article

Teppola, Heidi; Sarkanen, Jeritta Riina; Jalonen, Tuula O.; Linne, Marja-Leena / Morphological Differentiation Towards Neuronal Phenotype of SH-SYSY Neuroblastoma Cells by Estradiol, Retinoic Acid and Cholesterol.
Research output: Scientific - peer-review › Article

Oksa, Petri; Loula, Pekka / Private cloud deployment model in open-source mobile robots ecosystem.
Research output: Scientific - peer-review › Conference contribution

Chen, Ke; Yi, Chenfu / Robustness analysis of a hybrid of recursive neural dynamics for online matrix inversion.
Research output: Scientific - peer-review › Article

Rajala, Miika; Ritala, R. / Situation Awareness Framework for Multi-machine Environments: An Application to Operator Assistive Collision Warning System.
Research output: Scientific - peer-review › Article

Ketonen-Oksi, Sanna; Jussila, Jari J.; Kärkkäinen, Hannu / Social media -based value creation and business models.
Ramis Ferrer, Borja; Iarovyi, Sergii; Gonzalez, Luis; Lobov, Andrei; Martinez Lastra, Jose L. / Management of distributed knowledge encapsulated in embedded devices.
Research output: Scientific - peer-review › Article

Riabchenko, Ekaterina; Kämäräinen, Joni-Kristian / Generative part-based Gabor object detector.
Research output: Scientific - peer-review › Article

Valmari, Antti / A State Space Tool for Concurrent System Models Expressed In C++.
Research output: Scientific - peer-review › Conference contribution

Schiopu, Ionut; Saarinen, Jukka P.; Tabus, Ioan / Lossy-to-lossless progressive coding of depth-map images using competing constant and planar models.
Research output: Scientific - peer-review › Conference contribution

Rintala, Matti; Valmari, Antti / Priority Queue Classes with Priority Update.
Research output: Scientific - peer-review › Conference contribution

Korhonen, Ville; Jääskeläinen, Pekka; Koskela, Matias; Viitanen, Timo; Takala, Jarmo / Rapid Customization of Image Processors Using Halide.
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Vagharshakyan, Suren; Bregovic, Robert; Gotchev, Atanas / Tree-structured algorithm for efficient shearlet-domain light field reconstruction.
Research output: Scientific - peer-review › Conference contribution

Äijö, Tomi; Jääskeläinen, Pekka; Elomaa, Tapio; Kultala, Heikki; Takala, Jarmo / Integer Linear Programming-Based Scheduling for Transport Triggered Architectures.
Research output: Scientific - peer-review › Article

Kiili, Kristian; Devlin, Keith; Mutisilta, Jari / Editorial: is Game-Based Math Learning Finally Coming of Age?
In: International Journal of Serious Games, Vol. 2, No. 4, 1, 08.12.2015.
Research output: Scientific › Editorial
Kellomäki, Timo / **Large-Scale Water Simulation in Games.**
Tampere University of Technology, 2015. 91 p. (Tampere University of Technology. Publication; Vol. 1354).
Research output: Collection of articles › Doctoral Thesis

Hietanen, Antti; Lankinen, Jukka; Kämäräinen, Joni-Kristian; Buch, Anders Glent; Krüger, Norbert / **A comparison of feature detectors and descriptors for object class matching.**
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Raitoharju, Matti; Ali-Löytty, Simo; Piché, Robert / **Binomial Gaussian mixture filter.**
Research output: Scientific - peer-review › Article

Homayouni, Maryam; Aflaki, Payman; Hannuksela, Miska M.; Gabbouj, Moncef / **Perceptually adaptive filtering for stereoscopic video compression.**
Research output: Scientific - peer-review › Conference contribution

He, Yuan; Molchanov, Pavlo; Sakamoto, Takuya; Aubry, Pascal; Le Chevalier, Francois; Yarovoy, Alexander / **Range-Doppler surface: A tool to analyse human target in ultra-wideband radar.**
Research output: Scientific - peer-review › Article

Pavel, Misha; Jimison, Holly B; Korhonen, Ilkka; Gordon, Christine M; Saranummi, Niilo / **Behavioral Informatics and Computational Modeling in Support of Proactive Health Management and Care.**
Research output: Scientific - peer-review › Article

Ahtinen, Aino / **Istujat liikkumaan!**
In: Tampereen Kauppakamarilehti, No. 6, 12.2015, p. 8.
Research output: General public › Comment/debate

Christophe, Francois; Andalibi, Vafa; Laukkarinen, Teemu; Mikkonen, Tommi; Koskimies, Kai / **Survey and evaluation of neural computation models for bio-integrated systems.**
Research output: Scientific - peer-review › Review Article

Astola, Helena / **Algebraic and Combinatorial Methods for Error-Correcting Codes with Applications to Fault-Tolerant Logic.**
Tampere University of Technology, 2015. 130 p. (Tampere University of Technology. Publication; Vol. 1336).
Research output: Monograph › Doctoral Thesis

Gupta, Abhishekh / **Effects of Intracellular and Partitioning Asymmetries in Escherichia coli.**
Research output: Collection of articles › Doctoral Thesis

Heinämäki, Teemu J. / **Technology Trees and Tools: Constructing Development Graphs for Digital Games.**
Tampere University of Technology, 2015. 100 p. (Tampere University of Technology. Publication; Vol. 1349).
Research output: Collection of articles › Doctoral Thesis

Zabihi, Morteza; Kiranyaz, Serkan; Bahrami Rad, Ali; Kastaggelos, Aggelos K.; Gabbouj, Moncef; Ince, Turker / **Analysis of high-dimensional phase space via Poincaré section for patient-specific seizure detection.**
Research output: Scientific - peer-review › Article
Hackenberg, Jan; Spiecker, Heinrich; Calders, Kim; Disney, Mathias; Raumonen, Pasi / SimpleTree: An Efficient Open Source Tool to Build Tree Models from TLS Clouds.
Research output: Scientific - peer-review › Article

Tukiainen, Mika; Helander, Nina; Mäkinen, Marita / MYSTERY SHOPPERS RECOGNISING KNOWLEDGE SHARING BARRIERS IN HIGHER EDUCATION.
Research output: Scientific - peer-review › Conference contribution

Tukiainen, Mika; Mäkinen, Marita; Helander, Nina / University Students’ Perceptions of Academic Writing: An Academic Literacies Perspective.
Research output: Scientific - peer-review › Conference contribution

Taibi, Davide; Lenarduzzi, Valentina; Fagerholm, Fabian; Münch, Jürgen; Ovais Ahmad, Muhammad; Liukkunen, Kari; Pietinen, Sami; Tukiainen, Markku; Lunesu, Ilaria; Matta, Martina; Fernández-Sánchez, Carlos; Garbajosa, Juan; Systä, Kari / "Free" Innovation Environments: Lessons learned from the Software Factory Initiatives.
Research output: Scientific - peer-review › Conference contribution

Kuusinen, Kati / Integrating UX Work in Agile Enterprise Software Development.
Tampere University of Technology, 2015. 296 p. (Tampere University of Technology. Publication; Vol. 1339).
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Pursiainen, S; Kaasalainen, M / Electromagnetic 3D subsurface imaging with source sparsity for a synthetic object.
Research output: Scientific - peer-review › Article

Viitanen, Timo; Koskela, Matias; Jääskeläinen, Pekka; Kultala, Heikki; Takala, Jarmo / MergeTree: a HLBVH Constructor for Mobile Systems.
Research output: Scientific - peer-review › Conference contribution

Baby, Deepak; Virtanen, Tuomas; Gemmeke, Jort F.; Van hamme, Hugo / Coupled dictionaries for exemplar-based speech enhancement and automatic speech recognition.
In: IEEE-Acm transactions on audio speech and language processing, Vol. 23, No. 11, 01.11.2015, p. 1788-1799.
Research output: Scientific - peer-review › Article

Iosifidis, Alexandros; Tefas, Anastasios; Pitas, Ioannis / Sparse extreme learning machine classifier exploiting intrinsic graphs.
Research output: Scientific - peer-review › Article

Laihonen, Harri / A managerial view of the knowledge flows of a health-care system.
Research output: Scientific - peer-review › Article

Huttunen, Heikki; Tohka, Jussi / Model selection for linear classifiers using Bayesian error estimation.
Research output: Scientific - peer-review › Article

Leppänen, Marko; Mäkinen, Simo; Lahtinen, Samuel; Sievi-Korte, Outi; Tuovinen, Antti-Pekka; Männistö, Tomi / Refactoring - a Shot in the Dark?

Research output: Collection of articles › Doctoral Thesis

Ylipää, Antti; Kivinummi, Kati; Kohvakka, Annika; Annala, Matti; Latonen, Leena; Scaravilli, Mauro; Kartasalo, Kimmo; Leppänen, Simo Pekka; Karakurt, Serdar; Seppälä, Janne; Yu-Harja, Olli; Tammela, Teuvo L J; Zhang, Wei; Visakorpi, Tapio; Nykter, Matti / Transcriptome sequencing reveals PCATS as a Novel ERG-Regulated long Noncoding RNA in prostate cancer.
Research output: Scientific - peer-review › Article

Olshannikova, Ekaterina; Ometov, Aleksandr; Koucheryavy, Yevgeni; Olsson, Thomas / Visualizing Big Data with Augmented and Virtual Reality: Challenges and Research Agenda.
Research output: Scientific - peer-review › Review Article

Aramo-Immonen, Heli; Jussila, Jari; Huhtamäki, Jukka / Exploring co-learning behavior of conference participants with visual network analysis of Twitter data.
Research output: Scientific - peer-review › Article

Sievi-Korte, Outi; Systä, Kari; Hjelsvold, Rune / Global vs. Local - Experiences from a Distributed Software Project Course Using Agile Methodologies.
Research output: Scientific - peer-review › Conference contribution

Suominen, Olli; Gotchev, Atanas / Efficient Cost Volume Sampling for Plane Sweeping Based Multiview Depth Estimation.
Research output: Scientific - peer-review › Conference contribution

Vagharshakyan, Suren; Bregovic, Robert; Gotchev, Atanas / Image Based Rendering Technique via Sparse Representation in Shearlet Domain.
Research output: Scientific - peer-review › Conference contribution

Tuomi, Pauliina / Suomalaisen digitaalisen television aikakausi on huomattavasti monipuolisempi.
Research output: Scientific › Article

Spruijt-Metz, Donna; Hekler, Eric; Saranummi, Niilo; Intille, Stephen; Korhonen, Ilkka; Nielsen, Wendy; Rivera, Daniel E.; Spring, Bonnie; Michie, Susan; Asch, David A.; Sanna, Alberto; Salcedo, Vicente Traver; Kukafka, Rita; Pavel, Misha / Building new computational models to support health behavior change and maintenance: new opportunities in behavioral research.
Research output: Scientific - peer-review › Article

In: Optics Express, Vol. 23, No. 19, 17.09.2015, p. 25128-25142.
Research output: Scientific - peer-review › Article
Kuusinen, Kati / Continuous User Experience Development.
Research output: Scientific - peer-review › Conference contribution

Kuusinen, Kati / Task allocation between UX specialists and developers in agile software development projects.
Research output: Scientific - peer-review › Conference contribution

Foi, Alessandro (Inventor); Katkovnik, Vladimir (Inventor); Molchanov, Pavlo (Inventor); Sanchez-Monge, Enrique (Inventor) / Methods and Systems for Suppressing Atmospheric Turbulence in Images.
Research output: Scientific › Patent

Stupnikov, Alexey; Glazko, Galina V.; Emmert-Streib, Frank / Effects of subsampling on characteristics of RNA-seq data from triple-negative breast cancer patients.
Research output: Scientific - peer-review › Article

Tran, Huy; Ribeiro, Andre S. / An estimation method of the kinetic rates of transcription initiation by Eσ70 and Eσ38 from measurements of individual RNA productions.
Research output: Scientific - peer-review › Article

Palviainen, Jarmo; Rezaei, Parisa Pour / The Next Level of User Experience of Cloud Storage Services: Supporting Collaboration with Social Features.
Research output: Scientific - peer-review › Conference contribution

Viikinkoski, M.; Kaasalainen, M.; Durech, J.; Carry, B.; Marsset, M.; Fusco, T.; Dumas, C.; Merline, W. J.; Yang, B.; Berthier, J.; Kervella, P.; Vernazza, P. / VLT/SPHERE- and ALMA-based shape reconstruction of asteroid (3) Juno.
Research output: Scientific - peer-review › Article

Heinimäki, Teemu J.; Elomaa, Tapio / Augmenting Technology Trees: Automation and Tool Support.
Research output: Scientific - peer-review › Conference contribution

Mattila, Anna-Liisa; Luoto, Antti; Terho, Henri; Hylli, Jaakko; Sievi-Korte, Outi; Systä, Kari / Unified Model for Software Engineering Data.
Research output: Scientific - peer-review › Conference contribution

Samiee, Kaveh; Kovacs, Peter; Kiranyaz, Serkan; Gabbouj, Moncef; Saramäki, Tapio / Sleep stage classification using sparse rational decomposition of single channel EEG records.
Research output: Scientific - peer-review › Conference contribution

Pearson, Ronald K.; Neuvo, Yrjö; Astola, Jaakko; Gabbouj, Moncef / The Class of Generalized Hampel Filters.

Kuusinen, Kati / Overcoming challenges in agile user experience work: Cross-case analysis of two large software organizations.

Koskinen, Jukka A. / Surveys of daily information security of citizens in Finland.

Väyrynen, Hannele ; Vasell, Tytti; Helander, Nina ; Boedeker, Mika; Andersson, Tuula / The Role of Customer Experience in Value Creation in Business-to-Business Context.

Rane, Jayant K.; Ylipää, Antti; Adamson, Rachel; Mann, Vincent M.; Simms, Matthew S.; Collins, Anne T.; Visakorpi, Tapio; Nykter, Matti; Maitland, Norman J. / Construction of therapeutically relevant human prostate epithelial fate map by utilising miRNA and mRNA microarray expression data.
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Lloyd-Price, Jason / Dynamics of Genetic Circuits with Molecule Partitioning Errors in Cell Division and RNA-RNA Interactions.

Azzari, Lucio; Foi, Alessandro / Collaborative filtering based on group coordinates for smoothing and directional sharpening.

Baby, Deepak; Gemmeke, Jort F.; Virtanen, Tuomas; Van Hamme, Hugo / Exemplar-based speech enhancement for deep neural network based automatic speech recognition.

Zhu, Shuyuan; Zeng, Bing; Liu, Guanghui; Zeng, Liaooyuan; Fang, Lu; Gabbouj, Moncef / Image interpolation based on non-local geometric similarities.

Dumitrescu, Bogdan; Rusu, Cristian; Tabus, Ioan; Astola, Jaakko / Low-complexity robust DOA estimation.

Barker, Thomas; Virtanen, Tuomas; Pontoppidan, Niels Henrik / Low-Latency Sound-Source-Separation using Non-Negative Matrix Factorisation with Coupled Analysis and Synthesis Dictionaries.
Hurmalainen, Antti; Saeidi, Rahim; Virtanen, Tuomas / Similarity induced group sparsity for non-negative matrix factorisation. 
Research output: Scientific - peer-review › Conference contribution

Onose, Alexandru; Dumitrescu, Bogdan / Adaptive cyclic and randomized coordinate descent for the sparse total least squares problem. 
Research output: Scientific - peer-review › Conference contribution

Onose, Alexandru; Dumitrescu, Bogdan / Adaptive Randomized Coordinate Descent for Sparse Systems: Lasso and Greedy Algorithms. 
Research output: Scientific - peer-review › Article

Syrjärinne, Paula; Nummenmaa, Jyrki; Thanisch, Peter; Kerminen, Riitta; Hakulinen, Esa / Analysing traffic fluency from bus data. 
In: IET Intelligent Transport Systems, Vol. 9, No. 6, 01.08.2015, p. 566-572. 
Research output: Scientific - peer-review › Article

Hirvonen, Juha; Kallio, Pasi / Automatic image-based detection and inspection of paper fibres for grasping. 
In: IET Computer Vision, Vol. 9, No. 4, 01.08.2015, p. 588-594. 
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Sarbu, Septimia; Shmulevich, Ilya; Yli-Harja, Olli; Nykter, Matti; Kesseli, Juha / Mapping dynamical states to structural classes for Boolean networks using a classification algorithm. 
Research output: Scientific - peer-review › Conference contribution

Egiazarian, Karen; Katkovnik, Vladimir / Single image super-resolution via BM3D sparse coding. 
Research output: Scientific - peer-review › Conference contribution

Mehta, R.; Chum, O.; Matas, J. / Towards visual words to words. 
Research output: Scientific - peer-review › Conference contribution

Drossos, Konstantinos; Kaliakatsos-Papakostas, Maximos; Floros, Andreas / Affective Audio Synthesis for Sound Experience Enhancement. 
Research output: Scientific - peer-review › Chapter

Diment, Aleksandr; Cakir, Emre; Heittola, Toni; Virtanen, Tuomas / Automatic recognition of environmental sound events using all-pole group delay features. 
Research output: Scientific - peer-review › Conference contribution
Evchina, Yulia; Puttonen, Juha; Dvoryanchikova, Aleksandra; Martinez Lastra, Jose Luis / Context-aware knowledge-based middleware for selective information delivery in data-intensive monitoring systems. In: Engineering Applications of Artificial Intelligence, Vol. 43, 08.2015, p. 111-126. Research output: Scientific › peer-review › Article


Tran, Huy; Oliveira, Samuel M.D. Dias; Goncalves, Nadia; Ribeiro, Andre S. / Kinetics of the cellular intake of a gene expression inducer at high concentrations. In: Molecular Biosystems, Vol. 11, No. 9, 20.07.2015, p. 2579-2587. Research output: Scientific › peer-review › Article


Research output: Scientific - peer-review › Article

Ferrer, Borja Ramis; Ahmad, Bilal; Lobov, Andrei; Vera, Daniel; Martinez Lastra, Jose L. Martinez; Harrison, Robert / A knowledge-based solution for automatic mapping in component based automation systems.
Research output: Scientific - peer-review › Conference contribution

Iarovyi, Sergii; Martinez Lastra, Jose L.; Haber, Rodolfo; del Toro, Raul / From artificial cognitive systems and open architectures to cognitive manufacturing systems.
Research output: Scientific - peer-review › Conference contribution

Gonzalez Moctezuma, Luis. E.; Ferrer, Borja Ramis; Xu, Xiangbin; Lobov, Andrei; Martinez Lastra, Jose L. / Knowledge-driven finite-state machines. Study case in monitoring industrial equipment.
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Aytekin, Caglar; Rezaeitabar, Yousef; Dogru, Sedat; Ulusoy, Ilkay / Railway fastener inspection by real-time machine vision.
Research output: Scientific - peer-review › Article

Iarovyi, Sergii; Ramis, Borja; Xu, Xiangbin; Sampath, Anisa; Lobov, Andrei; Martinez Lastra, Jose L. / Representation of manufacturing equipment and services for OKD-MES: From service descriptions to ontology.
Research output: Scientific - peer-review › Conference contribution

Zare, A.; Kovacs, P.; Gotchev, A. / Self-contained slices in H.264 for partial video decoding targeting 3D light-field displays.
Research output: Scientific - peer-review › Conference contribution

Oliveira, Samuel M. D.; Chandraseelan, Jerome G.; Häkkinen, Antti; Goncalves, Nadia S. M.; Yli-Harja, Olli; Startceva, Sofia; Ribeiro, Andre / Single-cell kinetics of a repressilator when implemented in a single-copy plasmid.
In: Molecular Biosystems, Vol. 11, No. 7, 01.07.2015, p. 1939-1945.
Research output: Scientific - peer-review › Article

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Research output: Scientific - peer-review › Conference contribution

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Heinimäki, Teemu J.; Elomaa, Tapio / Quality measures for improving technology trees.
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Smirnov, Sergey; Gotchev, Atanas / Real-time depth image-based rendering with layered dis-occlusion compensation and aliasing-free composition.
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Research output: Scientific - peer-review › Article

Koski, Aapo; Mikkonen, Tommi / Requirements, Architecture, and Quality in a Mission-Critical System: 12 Lessons Learned.
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Alanne, Aki; Pekkola, Samuli / Riding for a fall in outsourced ISD: Knowledge transfer challenges between the onshore vendor and the offshored unit.
Research output: Scientific - peer-review › Conference contribution

Laakkonen, Petteri / Robust Regulation Theory for Transfer Functions With a Coprime Factorization.
Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Conference contribution

Evchina, Yulia; Martinez Lastra, Jose Luis / Semantic-Driven CEP for Delivery of Information Streams in Data-Intensive Monitoring Systems.
Research output: Scientific - peer-review › Conference contribution

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Sala, Adrien; Shoailb, Muhammad; Anufrieva, Olga; Mutharasu, Gnanavel; Hoque, Rawnak Jahan; Yli-Harja, Olli; Kandhavelu, Meenakshisundaram / *Transcription closed and open complex dynamics studies reveal balance between genetic determinants and co-factors*.  
Research output: Scientific - peer-review › Article
Jussila, Jari. J.; Kärkkäinen, Hannu; Aramo-Immonen, Heli; Huhtamäki, Jukka / Tuottavuusloikka sosiaalisen median avulla.
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Vainikka, Eliisa; Huhtamäki, Jukka / Tviittien politiikkaa – politiittisen viestinnän sisäpiirit Twitterissä.
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Paaso, Kalle / User Experience of Mobile Proximity-Based Applications for Playful Social Interaction.
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Mikkonen, Tommi; Systä, Kari / Maximizing Product Value: Continuous Maintenance.
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Laarman, Alfons; Pater, Elwin; Van de Pol, Jaco; Hansen, Henri / Guard-based Partial Order Reduction.
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Kaliakatsos-Papakostas, Maximos; Floros, Andreas; Drossos, Konstantinos; Koukoudis, Konstantinos; Kyzalas, Manolis; Kalantzis, Achilleas / Swarm Lake: A Game of Swarm Intelligence, Human Interaction and Collaborative Music Composition.
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