Krogerus, Tomi; Hyvönen, Mika; Huhtala, Kalevi / Analysis of common rail pressure signal of dual-fuel large industrial engine for identification of injection duration of pilot diesel injectors.
Research output: Scientific - peer-review › Article

Sommarberg, Matti; Mäkinen, Saku / A method for analyzing practicing managers' perception on the disruptive nature of digitalization in machine-building industry.
Research output: Scientific - peer-review › Conference contribution

Sommarberg, Matti; Mäkinen, Saku / Mechanisms of disruptive technological change: Case studies in transformation of traditional industries.
Research output: Scientific - peer-review › Conference contribution

Venesvirta, Hanna; Špakov, Oleg; Gizatdinova, Yulia; Tuisku, Ouli; Rantanen, Ville; Verho, Jarmo; Vetek, Akos; Lekkala, Jukka; Surakka, Veikko / Smile to save it: facial expressions for lifelogging.
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Lepola, Annikka; Kärkkäinen, Hannu / Using crowdfunding for extracting feedback: literature review.
Research output: Scientific - peer-review › Conference contribution

Viitanen, Timo; Koskela, Matias; Jääskeläinen, Pekka; Kultala, Heikki; Takala, Jarmo / MergeTree: A Fast Hardware HLBVH Constructor for Animated Ray Tracing.
Research output: Scientific - peer-review › Article

Jylhä, Juha; Ruotsalainen, Marja; Väisänen, Ville; Virtanen, Kai; Harju, Mikko; Väilä, Minna / A Machine Learning Framework for Performance Prediction of an Air Surveillance System.
Research output: Scientific - peer-review › Conference contribution

Vehmas, Risto; Jylhä, Juha / Improving the Estimation Accuracy and Computational Efficiency of ISAR Range Alignment.
Research output: Scientific - peer-review › Conference contribution

Jääskeläinen, Antti; Järvinen, Hannu-Matti; Tiusanan, Mikko / Concurrent Execution System for Action Languages.
Research output: Scientific - peer-review › Conference contribution

Litovuo, Lauri; Makkonen, Hannu; Aarikka-Stenroos, Leena; Luhtala, Linda; Mäkinen, Saku / Ecosystem approach on medical game development: The relevant actors, value propositions and innovation barriers.
Research output: Scientific - peer-review › Conference contribution

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Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Chapter

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article

Research output: Professional › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Chapter

Research output: Professional › Article

Systä, Kari; Vuori, Matti; Järvinen, Hannu-Matti; Ahtee, Tero; Sten, Harri / Project types and industrial collaboration in project-based learning.
Research output: Scientific - peer-review › Conference contribution

Jalonen, Harri; Jussila, Jari / The nexus between social media behaviour, negative consumer emotions and brand disloyalty.
Research output: Scientific › Paper, poster or abstract

Aramo-Immonen, Heli; Jussila, Jari J.; Ilvonen, Ilona; Helander, Nina / Perceived risks in social media use – a longitudinal study among university students.
Research output: Scientific - peer-review › Conference contribution

Jussila, Jari; Helander, Nina; Lehtonen, Timo; Kallio, Julius; Sillanpää, Virpi / Can e-government solutions enhance the work in municipalities?: empirical evidence from case lupapiste.
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Research output: Scientific - peer-review › Conference contribution

Vuori, Vilma; Jussila, Jari / The 5C categorization of social media tools.
Research output: Scientific - peer-review › Conference contribution

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Research output: Scientific - peer-review » Article

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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

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Research output: Scientific - peer-review » Conference contribution

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Mehta, Rakesh; Egiazarian, Karen / Dominant Rotated Local Binary Patterns (DRLBP) for texture classification.
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Teppola, Heidi; Sarkanan, Jertta Riina; Jalonen, Tuula O.; Linne, Marja-Leena / Morphological Differentiation Towards Neuronal Phenotype of SH-SY5Y Neuroblastoma Cells by Estradiol, Retinoic Acid and Cholesterol.
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Oksa, Petri; Loula, Pekka / Private cloud deployment model in open-source mobile robots ecosystem.
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Chen, Ke; Yi, Chenfu / Robustness analysis of a hybrid of recursive neural dynamics for online matrix inversion.
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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. 
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Research output: Scientific - peer-review › Conference contribution

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

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Huttunen, Heikki; Tohka, Jussi / Model selection for linear classifiers using Bayesian error estimation.  
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Kartasalo, Kimmo; Polonen, Risto-Pekka; Ojala, Marisa; Rasku, Jyrki; Lekkala, Jukka; Aalto-Setälä, Katriina; Kallio, Pasi / CytoSpectre: A tool for spectral analysis of oriented structures on cellular and subcellular levels.
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Rutanen, Kalle Matias; Gomez Herrero, German; Eriksson, Sirkka-Liisa Anneli; Egiazarian, Karen / A General Definition of the O-notation for Algorithm Analysis.
Research output: Scientific - peer-review › Article

Ahtinen, Aino / Exercise apps cure the sitting disease.
Research output: General public › Comment/debate

Heikkinen, Esa; Hämäläinen, Timo D. / LOGDIG Log File Analyzer for Mining Expected Behavior from Log Files.
Research output: Scientific - peer-review › Conference contribution

Teuho, Mikko; Pekkarinen, Esko; Hämäläinen, Timo D. / Semantics analyzing expression editors in IP-XACT design tool Kactus2.
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Väyrynen, Hannele; Helander, Nina / Knowledge Management operationalization – how it differs in large enterprises and SMEs in Finland.
Research output: Professional › Conference contribution

Cakir, Emre; Heittola, Toni; Huttunen, Heikki; Virtanen, Tuomas / Multi-Label vs. Combined Single-label Sound Event Detection with Deep Neural Networks.
Research output: Scientific › peer-review › Conference contribution

Partala, Timo; Saari, Timo / Understanding the most influential user experiences in successful and unsuccessful technology adoptions.
Research output: Scientific › peer-review › Article

Mattila, Anna-Liisa; Lehtonen, Timo; Terho, Henri; Mikkonen, Tommi; Systä, Kari / Mashing Up Software Issue Management, Development, and Usage Data.
Research output: Scientific › peer-review › Conference contribution

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.
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Rantala, M.; Soini, J.; Kilamo, T. / Gathering useful programming data; Analysis and insights from real-time collaborative editing.
Research output: Scientific › peer-review › Conference contribution

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Research output: Scientific › peer-review › Conference contribution
Zhu, Shuyuan; Zeng, Bing; Gabbouj, Moncef / Adaptive sampling for compressed sensing based image compression. 
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Ayetkin, Caglar; Rezaeitabar, Yousef; Dogru, Sedat; Ulusoy, Ilkay / Railway fastener inspection by real-time machine vision. 
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Research output: Scientific - peer-review › Conference contribution

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Research output: Scientific › Editorial

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 › Conference contribution

Research output: Scientific › peer-review › Conference contribution

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Valmari, Antti / Stop It, and Be Stubborn!
Research output: Scientific - peer-review › Conference contribution

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Research output: Scientific - peer-review › Article

Acimovic, Jugoslava; Mäki-Marttunen, Tuomo; Linne, Marja-Leena / The effects of neuron morphology on graph theoretic measures of network connectivity: The analysis of a two-level statistical model.
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Research output: Scientific - peer-review › Conference contribution

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Research output: Collection of articles › Doctoral Thesis

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Research output: Collection of articles › Doctoral Thesis


Research output: Scientific - peer-review › Conference contribution


Research output: Scientific - peer-review › Article

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Research output: General public › Article


Research output: Scientific - peer-review › Conference contribution


Research output: Collection of articles › Doctoral Thesis

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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

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Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

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Research output: Scientific - peer-review › Conference contribution

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Research output: Professional » Chapter

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Research output: Scientific - peer-review › Conference contribution

Tuhtan, J.A.; Strokina, Nataliya; Toming, Gert; Muhammad, N.; Kruusmaa, Maarja; Kämäräinen, Joni-Kristian / **Hydrodynamic Classification of Natural Flows Using an Artificial Lateral Line and Frequency Domain Features.**
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Research output: Scientific - peer-review › Article

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Research output: Professional › Chapter

Bojja, Jayaprasad; Kirkko-Jaakkola, Martti; Collin, Jussi; Takala, Jarmo / **Indoor Localization Methods Using Dead Reckoning and 3D Map Matching.**
Research output: Scientific - peer-review › Article

Haaranen, Lassi; Ihantola, Petri; Sorva, Juha; Vihavainen, Arto / **In Search of the Emotional Design Effect in Programming.**
Research output: Scientific - peer-review › Conference contribution

Gupta, Abhishekh; Lloyd-Price, Jason; Ribeiro, Andre S. / **In silico analysis of division times of Escherichia coli populations as a function of the partitioning scheme of non-functional proteins.**
Research output: Scientific - peer-review › Article
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Research output: Scientific - peer-review › Chapter

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Research output: Scientific - peer-review › Conference contribution

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Xu, Xiangbin / Ontology-Based Backend Engine for Manufacturing and Logistics Systems.
Research output: Scientific - peer-review › Chapter

Raunio, Jukka-Pekka; Ritala, Risto; Väliläki, Tuomas / Optimal operation of a three camera system on a four-wheel robot.
Research output: Scientific - peer-review › Conference contribution

Lahonen, Harri; Syysnummi, Pirjo / Organisational knowledge flows and structural change the case of dispersed education organizations.
Research output: Scientific - peer-review › Article

Sala, Adrien; Shoiaib, Muhammad; Anufrieva, Olga; Mutharasu, Gnanavel; Yli-Harja, Olli; Kandhavelu, Meenkakshisundaram / Origins of Transcriptional Transition : Balance between Upstream and Downstream Regulatory Gene Sequences.
Research output: Scientific - peer-review › Article

Mehrang, Saeed; Helander, Elina; Pavel, Mishka; Chieh, Angela; Korhonen, Ilkka / Outlier detection in weight time series of connected scales.
Research output: Scientific - peer-review › Conference contribution

Salmimaa, Taru; Hekkala, Riitta; Pekkola, Samuli / Paradoxes in the development of a business critical information system.
Research output: Professional › Conference contribution

Salmimaa, Taru; Hekkala, Riitta; Pekkola, Samuli / Paradoxes of change management in information system development.
Research output: Scientific - peer-review › Conference contribution

Mantilla R., M. Fernanda; Nieto Lee, Angelica; Lastra, Jose L Martinez / Parameters affecting the energy performance of the transport sector in smart cities.
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 › Chapter

Turunen, Esko; Navara, Mirko / Perfect Pavelka Logic.
Research output: Scientific - peer-review › Article
Vuolle, Maiju; Sillanpää, Virpi / **Performance management practices in construction business - a service recovery perspective.**
Research output: Scientific › Conference contribution

Li, Linfeng; Nummenmaa, Timo; Berki, Eleni; Helenius, Marko / **Phishing knowledge based user modelling in software design.**
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Jääskeläinen, Pekka; De La Lama, Carlos Sánchez; Schnetter, Erik; Raiskila, Kalle; Takala, Jarmo; Berg, Heikki / **pocl: A Performance-Portable OpenCL Implementation.**
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Research output: Scientific - peer-review › Anthology

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Henno, J.; Jaakkola, H.; Mäkelä, J. / **Project- and product-oriented course.**
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Russell, Martha G.; Huhtamäki, Jukka; Still, Kaisa; Rubens, Neil; Basole, Rahul C. / Relational Capital for Shared Vision in Innovation Ecosystems.
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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.
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Evchina, Yulia; Martinez Lastra, Jose Luis / Semantic-Driven CEP for Delivery of Information Streams in Data-Intensive Monitoring Systems.
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Kannisto, Petri; Hästbacka, David; Vilkko, Matti; Kuikka, Seppo / Service Architecture and Interface Design for Mobile Machine Parameter Optimization System.
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Hartmann, Tilo; Wirth, Werner; Schramm, Holger; Klimmt, Christoph; Vorderer, Peter; Gyspers, Andre; Böcking, Saskia; Ravaja, Niklas; Laarni, Jari; Saari, Timo; Gouveia, Feliz; Sacau, Ana / The spatial presence experience scale (SPES): A short self-report measure for diverse media settings.
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Helander, Elina; Pavel, Misha; Jimison, Holly; Korhonen, Ilkka / *Time-series modeling of long-term weight self-monitoring data.*
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Elioranta, Veli-Pekka; Isohanni, Essi; Lahtinen, Samuel; Sievi-Korte, Outi / *To UML or not to UML? – Empirical Study on the Approachability of Software Architecture Diagrams.*
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Ahtee, Tero; Tiisanen, Olli / *Towards an ideal software engineering project course.*
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Nordfors, Kristiina; Haapasalo, Joonas; Mäkelä, Katri; Granberg, Kirsi J.; Nykter, Matti; Korja, Miiikka; Paavonen, Timo; Haapasalo, Hannu; Soini, Ylirmi / "Twist predicts poor outcome of patients with astrocytic glioma.
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