

**Data augmentation approaches for improving animal audio classification.** / Nanni, Loris; Maguolo, Gianluca; Paci, Michelangelo.

julkaisussa: Ecological Informatics, Vuosikerta 57, 101084, 2020.

Tutkimustuotos >> vertaisarvioitu

**Hysteresis and eddy-current losses in electrical steel utilising edge degradation due to cutting effects.** / Elfgen, Silas; Rasilo, Paavo; Hameyer, Kay.

julkaisussa: International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020.

Tutkimustuotos >> vertaisarvioitu

**PRBS-based loop gain identification and output impedance shaping in DC microgrid power converters.** / Khodamoradi, Aram; Liu, Guangyuan; Mattavelli, Paolo; Messo, Tuomas; Abedini, Hossein.

julkaisussa: Mathematics and Computers in Simulation, 2020.

Tutkimustuotos >> vertaisarvioitu

**Safety at chimney-roof penetration : A numerical investigation.** / Neri, Manuela; Perttu, Leppänen; Alanen, Mika; Luscietti, Davide; Pilotelli, Mariagrazia.

Building Simulation Applications, BSA 2019 - 4th IBPSA-Italy Conference. toim. / Giovanni Pernigotto; Francesco Patuzzi; Alessandro Prada; Vincenzo Corrado; Andrea Gasparella. Free University of Bozen Bolzano, 2020. s. 123-130 (Building Simulation Applications; Vuosikerta 2020-June).

Tutkimustuotos >> vertaisarvioitu

**Vehicle Attribute Recognition by Appearance : Computer Vision Methods for Vehicle Type, Make and Model Classification.**

/ Ni, Xingyang; Huttunen, Heikki.

julkaisussa: Journal of Signal Processing Systems, 2020.

Tutkimustuotos >> vertaisarvioitu

**Very sharp diffraction peak in nonglass-forming liquid with the formation of distorted tetraclusters.** / Koyama, Chihiro; Tahara, Shuta; Kohara, Shinji; Onodera, Yohei; Småbråten, Didrik R.; Selbach, Sverre M.; Akola, Jaakko; Ishikawa, Takehiko; Masuno, Atsunobu; Mizuno, Akitoshi; Okada, Junpei T.; Watanabe, Yuki; Nakata, Yui; Ohara, Koji; Tamaru, Haruka; Oda, Hirohisa; Obayashi, Ippei; Hiraoka, Yasuyuki; Sakata, Osami.

julkaisussa: NPG ASIA MATERIALS, Vuosikerta 12, Nro 1, 43, 2020.

Tutkimustuotos >> vertaisarvioitu

**Automatic word count estimation from daylong child-centered recordings in various language environments using language-independent syllabification of speech.** / Räsänen, Okko; Seshadri, Shreyas; Karadayi, Julien; Riebling, Eric; Bunce, John; Cristia, Alejandrina; Metzke, Florian; Casillas, Marisa; Rosemberg, Celia; Bergelson, Erika; Soderstrom, Melanie.

julkaisussa: Speech Communication, Vuosikerta 113, 01.10.2019, s. 63-80.

Tutkimustuotos >> vertaisarvioitu

**Pneumatic unidirectional cell stretching device for mechanobiological studies of cardiomyocytes.** / Kreutzer, Joose; Viehrig, Marlitt; Pölonen, Risto Pekka; Zhao, Feihu; Ojala, Marisa; Aalto-Setälä, Katriina; Kallio, Pasi.

julkaisussa: BIOMECHANICS AND MODELING IN MECHANOBIOLOGY, 23.08.2019.

Tutkimustuotos >> vertaisarvioitu

**Reduced level of docosahexaenoic acid shifts GPCR neuroreceptors to less ordered membrane regions.** / Javanainen, Matti; Enkavi, Giray; Guixà-González, Ramon; Kulig, Waldemar; Martinez-Seara, Hector; Levental, Ilya; Vattulainen, Ilpo.

julkaisussa: PLoS Computational Biology, Vuosikerta 15, Nro 5, e1007033, 01.05.2019.

Tutkimustuotos >> vertaisarvioitu

**Energy Detection-Based Spectrum Sensing over Fisher-Snedecor F Fading Channels.** / Yoo, Seong Ki; Cotton, Simon L.; Sofotasios, Paschalis C.; Muhaidat, Sami; Badarneh, Osamah S.; Karagiannidis, George K.

2018 IEEE Global Communications Conference. IEEE, 2019. 8647778.

Tutkimustuotos >> vertaisarvioitu

**Improved Session Continuity in 5G NR with Joint Use of Multi-Connectivity and Guard Bandwidth.** / Kovalchukov, Roman; Moltchanov, Dmitri; Begishev, Vyacheslav; Samuylov, Andrey; Andreev, Sergey; Koucheryavy, Yevgeni; Samouylov, Konstantin.

2018 IEEE Global Communications Conference, GLOBECOM 2018. IEEE, 2019.

Tutkimustuotos >> vertaisarvioitu

**Data Vault Mappings to Dimensional Model Using Schema Matching.** / Puonti, Mikko; Raitalaakso, Timo.

Research and Practical Issues of Enterprise Information Systems - 13th IFIP WG 8.9 International Conference, CONFENIS 2019, Proceedings. toim. / Petr Doucek; Josef Basl; Antonin Pavlicek; A Min Tjoa; Katrin Detter; Maria Raffai. Springer, 2019. s. 55-64 (Lecture Notes in Business Information Processing; Vuosikerta 375).

Tutkimustuotos >> vertaisarvioitu

**ALMARVI System Solution for Image and Video Processing in Healthcare, Surveillance and Mobile Applications.** / Al-Ars, Zaid; van der Vlugt, Steven; Jääskeläinen, Pekka; van der Linden, Frank.

julkaisussa: Journal of Signal Processing Systems, Vuosikerta 91, Nro 1, 01.2019, s. 1-7.

Tutkimustuotos >> vertaisarvioitu

**Action and power efficiency in self-organization : The case for growth efficiency as a cellular objective in escherichia coli.** / Georgiev, Georgi Yordanov; Aho, Tommi; Kesseli, Juha; Yli-Harja, Olli; Kauffman, Stuart A.

Evolution, Development and Complexity - Multiscale Evolutionary Models of Complex Adaptive Systems. toim. / Claudio L. Flores Martinez; Georgi Yordanov Georgiev; John M. Smart; Michael E. Price. Springer, 2019. s. 229-244 (Springer Proceedings in Complexity).

Tutkimustuotos >> vertaisarvioitu

**Client-Side Cornucopia : Comparing the Built-In Application Architecture Models in the Web Browser.** / Taivalsaari, Antero; Mikkonen, Tommi; Pautasso, Cesare; Systä, Kari.

Web Information Systems and Technologies - 14th International Conference, WEBIST 2018, Revised Selected Papers. toim. / María José Escalona; Francisco Domínguez Mayo; Tim A. Majchrzak; Valérie Monfort. Springer, 2019. s. 1-24 (Lecture Notes in Business Information Processing; Vuosikerta 372).

Tutkimustuotos >> vertaisarvioitu

**Color Constancy Convolutional Autoencoder.** / Laakom, Firas; Raitoharju, Jenni; Iosifidis, Alexandros; Nikkanen, Jarno; Gabbouj, Moncef.

2019 IEEE Symposium Series on Computational Intelligence, SSCI 2019. IEEE, 2019. s. 1085-1090 9002684.

Tutkimustuotos >> vertaisarvioitu

**Continuum approach to high-cycle fatigue. The finite life-time case with stochastic stress history.** / Orelma, H.

julkaisussa: Vestnik Samarskogo Gosudarstvennogo Tekhnicheskogo Universiteta, Seriya Fiziko-Matematicheskie Nauki, Vuosikerta 23, Nro 3, 2019, s. 452-463.

Tutkimustuotos >> vertaisarvioitu

**Cuts for 3-D magnetic scalar potentials : Visualizing unintuitive surfaces arising from trivial knots.** / Stockrahm, Alex; Lahtinen, Valtteri; Kangas, Jari J.J.; Kotiuga, P. Robert.

julkaisussa: Computers and Mathematics with Applications, 2019.

Tutkimustuotos >> vertaisarvioitu

**Digital Predistortion for 5G Small Cell : GPU Implementation and RF Measurements.** / Pascual Campo, Pablo; Lampu, Vesa; Meirhaeghe, Alexandre; Boutellier, Jani; Anttila, Lauri; Valkama, Mikko.

julkaisussa: Journal of Signal Processing Systems, 2019.

Tutkimustuotos >> vertaisarvioitu

**Model for evaluating additive manufacturing feasibility in end-use production.** / Ahtiluoto, Matti; Ellman, Asko; Coatanea, Eric.

julkaisussa: Proceedings of the International Conference on Engineering Design, ICED, Vuosikerta 1, Nro 1, 2019, s. 799-808.

Tutkimustuotos >> vertaisarvioitu

**On Confidences and Their Use in (Semi-)Automatic Multi-Image Taxa Identification.** / Raitoharju, Jenni; Meissner, Kristian.  
2019 IEEE Symposium Series on Computational Intelligence, SSCI 2019. IEEE, 2019. s. 1338-1343 9002975.  
Tutkimustuotos > > vertaisarvioitu

**Active scanner control on paper machines.** / Raunio, Jukka-Pekka; Ritala, Risto.  
julkaisussa: Journal of Process Control, Vuosikerta 72, 01.12.2018, s. 74-90.  
Tutkimustuotos > > vertaisarvioitu

**Enhanced multiaxial fatigue criterion that considers stress gradient effects.** / Ottosen, Niels Saabye; Ristinmaa, Matti; Kouhia, Reijo.  
julkaisussa: International Journal of Fatigue, Vuosikerta 116, 01.11.2018, s. 128-139.  
Tutkimustuotos > > vertaisarvioitu

**Toward Efficient Execution of RVC-CAL Dataflow Programs on Multicore Platforms.** / Hautala, Ilkka; Boutellier, Jani; Nyländén, Teemu; Silvén, Olli.  
julkaisussa: Journal of Signal Processing Systems, Vuosikerta 90, Nro 11, 11.2018, s. 1507-1517.  
Tutkimustuotos > > vertaisarvioitu

**Assessment of mutation probabilities of KRAS G12 missense mutants and their long-timescale dynamics by atomistic molecular simulations and Markov state modeling.** / Pantsar, Tatu; Rissanen, Sami; Dauch, Daniel; Laitinen, Tuomo; Vattulainen, Ilpo; Poso, Antti.  
julkaisussa: PLoS Computational Biology, Vuosikerta 14, Nro 9, e1006458, 10.09.2018.  
Tutkimustuotos > > vertaisarvioitu

**Constrained Long-Horizon Direct Model Predictive Control for Synchronous Reluctance Motor Drives.** / Ortombina, L.; Liegmann, E.; Karamanakos, P.; Tinazzi, F.; Zigliotto, M.; Kennel, R.  
2018 IEEE 19th Workshop on Control and Modeling for Power Electronics, COMPEL 2018. IEEE, 2018. 8460173.  
Tutkimustuotos > > vertaisarvioitu

**Structural Similarity Index with Predictability of Image Blocks.** / Ponomarenko, Mykola; Egiazarian, Karen; Lukin, Vladimir; Abramova, Victoriya.  
2018 IEEE 17th International Conference on Mathematical Methods in Electromagnetic Theory, MMET 2018 - Proceedings. Vuosikerta 2018-July IEEE COMPUTER SOCIETY PRESS, 2018. s. 115-118 8460285.  
Tutkimustuotos > > vertaisarvioitu

**Analysis of the damping characteristics of two power electronics-based devices using 'individual channel analysis and design'.** / Ugalde-Loo, Carlos E.; Acha, Enrique; Licéaga-Castro, Eduardo.  
julkaisussa: Applied Mathematical Modelling, Vuosikerta 59, 01.07.2018, s. 527-545.  
Tutkimustuotos > > vertaisarvioitu

**Properties of graph distance measures by means of discrete inequalities.** / Dehmer, Matthias; Chen, Zengqiang; Emmert-Streib, Frank; Shi, Yongtang; Tripathi, Shailesh; Musa, Aliyu; Mowshowitz, Abbe.  
julkaisussa: Applied Mathematical Modelling, Vuosikerta 59, 01.07.2018, s. 739-749.  
Tutkimustuotos > > vertaisarvioitu

**Analysis of common rail pressure signal of dual-fuel large industrial engine for identification of injection duration of pilot diesel injectors.** / Krogerus, Tomi; Hyvönen, Mika; Huhtala, Kalevi.  
julkaisussa: Fuel, Vuosikerta 216, 03.2018, s. 1-9.  
Tutkimustuotos > > vertaisarvioitu

**Prioritizing corrective maintenance activities for android applications : An industrial case study on android crash reports.** / Lenarduzzi, Valentina; Stan, Alexandru Cristian; Taibi, Davide; Venters, Gustavs; Windegger, Markus.  
Software Quality: Methods and Tools for Better Software and Systems - 10th International Conference, SWQD 2018, Proceedings. Springer-Verlag Berlin Heidelberg, 2018. s. 133-143 (Lecture Notes in Business Information Processing; Vuosikerta 302).  
Tutkimustuotos > > vertaisarvioitu

**Bringing stimulated ideation in a web environment : Students' evaluations of a basic software release.** / Borgianni, Y.; Lenarduzzi, V.; Rotini, F.; Taibi, D.

ICDC 2018 - 5th International Conference on Design Creativity, Conference Proceedings. toim. / Elies Dekoninck; Andrew Wodehouse; Chris Snider; Georgi Georgiev; Gaetano Cascini. DESIGN SOCIETY, 2018. (Proceedings of the International Conference on Engineering Design, ICED).

Tutkimustuotos >> vertaisarvioitu

**Effect of paint baking treatment on the properties of press hardened boron steels.** / Järvinen, Henri; Honkanen, Mari; Järvenpää, Martti; Peura, Pasi.

julkaisussa: Journal of Materials Processing Technology, Vuosikerta 252, 2018, s. 90-104.

Tutkimustuotos >> vertaisarvioitu

**Knowledge-based artificial neural network (KB-ANN) in engineering : Associating functional architecture modeling, dimensional analysis and causal graphs to produce optimized topologies for KB-ANNs.** / Coatanéa, Eric; Wu, Di; Tsarkov, Vadim; Gary Wang, G.; Modi, Siddhant; Jafarian, Hesam.

38th Computers and Information in Engineering Conference. Vuosikerta 1B-2018 The American Society of Mechanical Engineers ASME, 2018.

Tutkimustuotos >> vertaisarvioitu

**Model-Based Dynamic Scheduling for Multicore Signal Processing.** / Wu, Jiahao; Blattner, Timothy; Keyrouz, Walid; Bhattacharyya, Shuvra S.

julkaisussa: Journal of Signal Processing Systems, 2018, s. 1-14.

Tutkimustuotos >> vertaisarvioitu

**Concerted regulation of npc2 binding to endosomal/lysosomal membranes by bis(monoacylglycero)phosphate and sphingomyelin.** / Enkavi, Giray; Mikkolainen, Heikki; Güngör, Burçin; Ikonen, Elina; Vattulainen, Ilpo.

julkaisussa: PLoS Computational Biology, Vuosikerta 13, Nro 10, e1005831, 01.10.2017.

Tutkimustuotos >> vertaisarvioitu

**Business Model Innovation of Startups Developing Multisided Digital Platforms.** / Still, Kaisa; Seppänen, Marko; Korhonen, Heidi; Valkokari, Katri; Suominen, Arho; Kumpulainen, Miika.

Proceedings - 2017 IEEE 19th Conference on Business Informatics, CBI 2017. IEEE, 2017. s. 70-75.

Tutkimustuotos >> vertaisarvioitu

**Atomistic fingerprint of hyaluronan-CD44 binding.** / Vuorio, Joni; Vattulainen, Ilpo; Martinez-Seara, Hector.

julkaisussa: PLoS Computational Biology, Vuosikerta 13, Nro 7, e1005663, 01.07.2017.

Tutkimustuotos >> vertaisarvioitu

**The Fisher-Snedecor F Distribution : A Simple and Accurate Composite Fading Model.** / Yoo, Seong Ki; Cotton, Simon L.; Sofotasios, Paschalis C.; Matthaiou, Michail; Valkama, Mikko; Karagiannidis, George K.

julkaisussa: IEEE Communications Letters, Vuosikerta 21, Nro 7, 01.07.2017, s. 1661-1664.

Tutkimustuotos >> vertaisarvioitu

**Guest Editorial : Implementation Issues in System-on-Chip.** / Ellervee, Peeter; Nurmi, Jari.

julkaisussa: Journal of Signal Processing Systems, Vuosikerta 87, Nro 3, 01.06.2017, s. 269-270.

Tutkimustuotos >

**Power Mitigation by Performance Equalization in a Heterogeneous Reconfigurable Multicore Architecture.** / Hussain, Waqar; Hoffmann, Henry; Ahonen, Tapani; Nurmi, Jari.

julkaisussa: Journal of Signal Processing Systems, Vuosikerta 87, Nro 3, 06.2017, s. 287-297.

Tutkimustuotos >> vertaisarvioitu

**A Hybrid Task Graph Scheduler for High Performance Image Processing Workflows.** / Blattner, Timothy; Keyrouz, Walid; Bhattacharyya, Shuvra S.; Halem, Milton; Brady, Mary.

julkaisussa: Journal of Signal Processing Systems, Vuosikerta 89, Nro 3, 2017, s. 457-467.

**Comparing requirements decomposition within the Scrum, Scrum with Kanban, XP, and Banana development processes.** / Taibi, Davide; Lenarduzzi, Valentina; Janes, Andrea; Liukkunen, Kari; Ahmad, Muhammad Ovais.  
Agile Processes in Software Engineering and Extreme Programming - 18th International Conference, XP 2017, Proceedings. Springer Verlag, 2017. s. 68-83 (Lecture Notes in Business Information Processing; Vuosikerta 283).  
Tutkimustuotos >> vertaisarvioitu

**Data Flow Algorithms for Processors with Vector Extensions : Handling Actors With Internal State.** / Barford, Lee; Bhattacharyya, Shuvra S.; Liu, Yanzhou.  
julkaisussa: Journal of Signal Processing Systems, Vuosikerta 87, Nro 1, 2017, s. 21-31.  
Tutkimustuotos >> vertaisarvioitu

**Design Flow for GPU and Multicore Execution of Dynamic Dataflow Programs.** / Boutellier, J.; Nyländen, T.  
julkaisussa: Journal of Signal Processing Systems, Vuosikerta 89, Nro 3, 2017, s. 469-478.  
Tutkimustuotos >> vertaisarvioitu

**Dimension reduction and decomposition using causal graph and qualitative analysis for aircraft concept design optimization.** / Wu, Di; Coatanea, Eric; Wang, G. Gary.  
43rd Design Automation Conference. The American Society of Mechanical Engineers ASME, 2017.  
Tutkimustuotos >> vertaisarvioitu

**Eeny, Meeny, Miny, Mo... : A multiple case study on selecting a technique for user-interaction data collecting.** / Suonsyrjä, Sampo.  
Agile Processes in Software Engineering and Extreme Programming - 18th International Conference, XP 2017, Proceedings. Springer Verlag, 2017. s. 52-67 (Lecture Notes in Business Information Processing; Vuosikerta 283).  
Tutkimustuotos >> vertaisarvioitu

**Implementation of a Multirate Resampler for Multi-carrier Systems on GPUs.** / Kim, Scott C.; Bhattacharyya, Shuvra S.  
julkaisussa: Journal of Signal Processing Systems, Vuosikerta 89, Nro 3, 2017, s. 445-455.  
Tutkimustuotos >> vertaisarvioitu

**Independent Loops Search in Flow Networks Aiming for Well-Conditioned System of Equations.** / Humaloja, Jukka-Pekka; Ali-Löytty, Simo; Pohjolainen, Seppo; Hämäläinen, Timo.  
Progress in Industrial Mathematics at ECMI 2016. toim. / Peregrina Quintela; Patricia Barral; Dolores Gómez; Francisco J. Pena; Jerónimo Rodríguez; Pilar Salgado; Miguel E. Vázquez-Mendéz. Springer International Publishing, 2017. (Mathematics in industry; Vuosikerta 26).  
Tutkimustuotos >> vertaisarvioitu

**On the effect of deformation twinning and microstructure to strain hardening of high manganese austenitic steel 3D microstructure aggregates at large strains.** / Lindroos, Matti; Laukkanen, Anssi; Cailletaud, Georges; Kuokkala, Veli-Tapani.  
julkaisussa: International Journal of Solids and Structures, Vuosikerta 125, 2017, s. 68-76.  
Tutkimustuotos >> vertaisarvioitu

**Parallel Digital Predistortion Design on Mobile GPU and Embedded Multicore CPU for Mobile Transmitters.** / Li, Kaipeng; Ghazi, Amanullah; Tarver, Chance; Boutellier, Jani; Abdelaziz, Mahmoud; Anttila, Lauri; Juntti, Markku; Valkama, Mikko; Cavallaro, Joseph R.  
julkaisussa: Journal of Signal Processing Systems, Vuosikerta 89, Nro 3, 2017, s. 417-430.  
Tutkimustuotos >> vertaisarvioitu

**Sir distribution in D2D environment with non-stationary mobility of users.** / Fedorov, Sergey; Orlov, Yurii; Samuylov, Andrey; Moltchanov, Dmitri; Gaidamaka, Yuliya; Samouylov, Konstantin; Shorgin, Sergey.  
Proceedings - 31st European Conference on Modelling and Simulation, ECMS 2017. EUROPEAN COUNCIL FOR MODELLING AND SIMULATION, 2017. s. 720-725.  
Tutkimustuotos >> vertaisarvioitu

**Technostress and social networking services : Uncovering strains and their underlying stressors.** / Salo, Markus; Pirkkalainen, Henri; Koskelainen, Tiina.

Nordic Contributions in IS Research - 8th Scandinavian Conference on Information Systems, SCIS 2017, Proceedings. Springer Verlag, 2017. s. 41-53 (Lecture Notes in Business Information Processing; Vuosikerta 294).

Tutkimustuotos >> vertaisarvioitu

**Time-dependent SIR modeling for D2D communications in indoor deployments.** / Orlov, Yurii; Zenyuk, Dmitry; Samuylov, Andrey; Moltchanov, Dmitri; Andreev, Sergey; Romashkova, Oxana; Gaidamaka, Yuliya; Samouylov, Konstantin.

Proceedings - 31st European Conference on Modelling and Simulation, ECMS 2017. EUROPEAN COUNCIL FOR MODELLING AND SIMULATION, 2017. s. 726-731.

Tutkimustuotos >> vertaisarvioitu

**Development of an England-wide indoor overheating and air pollution model using artificial neural networks.** / Symonds, Phil; Taylor, Jonathon; Chalabi, Zaid; Mavrogianni, Anna; Davies, Michael; Hamilton, Ian; Vardoulakis, Sotiris; Heaviside, Clare; Macintyre, Helen.

julkaisussa: JOURNAL OF BUILDING PERFORMANCE SIMULATION, Vuosikerta 9, Nro 6, 01.11.2016, s. 606-619.

Tutkimustuotos >> vertaisarvioitu

**Search reliability and search efficiency of combined Lévy-Brownian motion : Long relocations mingled with thorough local exploration.** / Palyulin, Vladimir V.; Chechkin, Aleksei V.; Klages, Rainer; Metzler, Ralf.

julkaisussa: Journal of Physics A: Mathematical and Theoretical, Vuosikerta 49, Nro 39, 394002, 08.09.2016.

Tutkimustuotos >> vertaisarvioitu

**Simulation of photon-photon resonance enhanced direct modulation bandwidth of DFB lasers.** / Dumitrescu, M.; Uusitalo, T.; Virtanen, H.; Laakso, A.; Bardella, P.; Montrosset, I.

16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016. IEEE, 2016. s. 147-148.

Tutkimustuotos >> vertaisarvioitu

**Simulation studies of DFB laser longitudinal structures for narrow linewidth emission.** / Virtanen, Heikki; Uusitalo, Topi; Dumitrescu, Mihail.

16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016. IEEE, 2016. s. 153-154.

Tutkimustuotos >> vertaisarvioitu

**Transverse structure optimization of laterally-coupled ridge waveguide DFB lasers.** / Uusitalo, Topi; Virtanen, Heikki; Dumitrescu, Mihail.

16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016. IEEE, 2016. s. 79-80 7547038.

Tutkimustuotos >> vertaisarvioitu

**Optimization of Flexible Filter Banks Based on Fast Convolution.** / Yli-Kaakinen, Juha; Renfors, Markku.

julkaisussa: Journal of Signal Processing Systems, Vuosikerta 85, Nro 1, 08.2016, s. 101-111.

Tutkimustuotos >> vertaisarvioitu

**Acoustic Modelling.** / Pohjolainen, Seppo; Suutala, Antti.

Mathematical Modelling. toim. / Seppo Pohjolainen. Switzerland : Springer, 2016. s. 185-205.

Tutkimustuotos >> vertaisarvioitu

**On prediction of DCT-based denoising efficiency under spatially correlated noise conditions.** / Rubel, Oleksii; Lukin, Vladimir; Egiazarian, Karen.

2016 13th International Conference on Modern Problems of Radio Engineering, Telecommunications and Computer Science (TCSET) . IEEE, 2016. s. 750-754.

Tutkimustuotos >> vertaisarvioitu

**Influence of specimen type and reinforcement on measured tension-tension fatigue life of unidirectional GFRP laminates.** / Korkiakoski, Samuli; Brøndsted, Povl; Sarlin, Essi; Saarela, Olli.

julkaisussa: International Journal of Fatigue, Vuosikerta 85, 01.04.2016, s. 114-129.

Tutkimustuotos >> vertaisarvioitu

**Lean manufacturing methods in simulation literature : Review and association analysis.** / Tokola, Henri; Niemi, Esko; Väistö, Ville.

2015 Winter Simulation Conference (WSC). 2016. s. 2239-2248.

Tutkimustuotos >> vertaisarvioitu

**A prospect for computing in porous materials research : Very large fluid flow simulations.** / Mattila, Keijo; Puurtinen, Tuomas; Hyväluoma, Jari; Surmas, Rodrigo; Mylly, Markko; Turpeinen, Tuomas; Robertsén, Fredrik; Westerholm, Jan; Timonen, Jussi.

julkaisussa: Journal of Computational Science, Vuosikerta 12, 01.01.2016, s. 62-76.

Tutkimustuotos >> vertaisarvioitu

**An image generator platform to improve cell tracking algorithms simulation of objects of various morphologies, kinetics and clustering.** / Canelas, Pedro; Martins, Leonardo; Mora, André; S. Ribeiro, Andre; Fonseca, José.

SIMULTECH 2016 - Proceedings of the 6th International Conference on Simulation and Modeling Methodologies, Technologies and Applications. SCITEPRESS, 2016. s. 44-55.

Tutkimustuotos >> vertaisarvioitu

**Comb Model with Slow and Ultraslow Diffusion.** / Sandev, T.; Iomin, A.; Kantz, H.; Metzler, R.; Chechkin, A.

julkaisussa: Mathematical Modelling of Natural Phenomena, Vuosikerta 11, Nro 3, 2016, s. 18-33.

Tutkimustuotos >> vertaisarvioitu

**Ecosystems Here, There, and Everywhere — A Barometrical Analysis of the Roots of 'Software Ecosystem'.** / Suominen, Arho; Hyrynsalmi, Sami; Seppänen, Marko.

Software Business: 7th International Conference, ICSOB 2016, Ljubljana, Slovenia, June 13-14, 2016, Proceedings. Springer Verlag, 2016. s. 32-46 (Lecture Notes in Business Information Processing; Vuosikerta 240).

Tutkimustuotos >> vertaisarvioitu

**IEEE 802.11ac MIMO Transceiver Baseband Processing on a VLIW Processor.** / Aghababaeetafreshi, Mona; Lehtonen, Lasse K.; Levanen, Toni; Valkama, Mikko; Takala, Jarmo.

julkaisussa: Journal of Signal Processing Systems, 2016.

Tutkimustuotos >> vertaisarvioitu

**Instrumentation-Driven Validation of Dataflow Applications.** / Chukhman, Ilya; Jiao, Yang; Salem, Haifa Ben; Bhattacharyya, Shuvra S.

julkaisussa: Journal of Signal Processing Systems, Vuosikerta 84, Nro 3, 2016, s. 383-397.

Tutkimustuotos >> vertaisarvioitu

**Minimum viable user experience : A framework for supporting product design in startups.** / Hokkanen, Laura; Kuusinen, Kati; Väänänen, Kaisa.

Agile Processes, in Software Engineering, and Extreme Programming: 17th International Conference, XP 2016, Edinburgh, UK, May 24-27, 2016, Proceedings. Springer Verlag, 2016. s. 66-78 (Lecture Notes in Business Information Processing; Vuosikerta 251).

Tutkimustuotos >> vertaisarvioitu

**Sir analysis in square-shaped indoor premises.** / Samuylov, A.; Moltchanov, D.; Gaidamaka, Yu; Begishev, V.; Kovalchukov, R.; Abaev, P.; Shorgin, S.

Proceedings - 30th European Conference on Modelling and Simulation, ECMS 2016. EUROPEAN COUNCIL FOR MODELLING AND SIMULATION, 2016. s. 692-697.

Tutkimustuotos >> vertaisarvioitu

**Software vulnerability life cycles and the age of software products : An empirical assertion with operating system products.** / Ruohonen, Jukka; Hyrynsalmi, Sami; Leppänen, Ville.

Advanced Information Systems Engineering Workshops - CAISE 2016 International Workshops, Proceedings. Springer Verlag, 2016. s. 207-218 (Lecture Notes in Business Information Processing; Vuosikerta 249).

Tutkimustuotos >> vertaisarvioitu

**Target tracking via combination of particle filter and optimisation techniques.** / Hosseini, Seyyed Soheil Sadat; Jamali, Mohsin M.; Astola, Jaakko; Gorsevski, Peter V.  
julkaisussa: International Journal of Mathematical Modelling and Numerical Optimization, Vuosikerta 7, Nro 2, 2016, s. 212-229.

Tutkimustuotos >> vertaisarvioitu

**To network or not to network? Analysis of the Finnish software industry-A networking approach.** / Yrjönkoski, Katariina; Helander, Nina; Jaakkola, Hannu.  
Software Business: 7th International Conference, ICSOB 2016, Ljubljana, Slovenia, June 13-14, 2016, Proceedings. Springer Verlag, 2016. s. 124-134 (Lecture Notes in Business Information Processing; Vuosikerta 240).

Tutkimustuotos >> vertaisarvioitu

**Towards a lean approach to reduce code smells injection : An empirical study.** / Taibi, Davide; Janes, Andrea; Lenarduzzi, Valentina.  
Agile Processes in Software Engineering and Extreme Programming - 17th International Conference, XP 2016, Proceedings. Springer Verlag, 2016. (Lecture Notes in Business Information Processing; Vuosikerta 251).

Tutkimustuotos >> vertaisarvioitu

**Two models for hydraulic cylinders in flexible multibody simulations.** / Ylinen, Antti; Mäkinen, Jari; Kouhia, Reijo.  
Computational Methods for Solids and Fluids: Multiscale Analysis, Probability Aspects and Model Reduction. Springer, 2016. s. 463-493 (Computational Methods in Applied Sciences; Vuosikerta 41).

Tutkimustuotos >> vertaisarvioitu

**Reconfigurable computing for future vision-capable devices.** / López, Miguel Bordallo; Nieto, Alejandro; Silvén, Olli; Bóutellier, Jani; Vilariño, David López.  
Proceedings - 2015 International Conference on Embedded Computer Systems: Architectures, Modeling and Simulation, SAMOS 2015. Institute of Electrical and Electronics Engineers Inc., 2015. s. 34-41 7363657.

Tutkimustuotos >> vertaisarvioitu

**Computationally efficient optimization algorithms for model predictive control of linear systems with integer inputs.** / Karamanakos, Petros; Geyer, Tobias; Kennel, Ralph.  
2015 54th IEEE Conference on Decision and Control, CDC 2015. 2015. s. 3663-3668.

Tutkimustuotos >> vertaisarvioitu

**Hermitian one-particle density matrix through a semiclassical gradient expansion.** / Bencheikh, K.; Räsänen, E.  
julkaisussa: Journal of Physics A: Mathematical and Theoretical, Vuosikerta 49, Nro 1, 015205, 09.12.2015.

Tutkimustuotos >> vertaisarvioitu

**Quantifying the non-ergodicity of scaled Brownian motion.** / Safdari, Hadiseh; Cherstvy, Andrey G.; Checkkin, Aleksei V.; Thiel, Felix; Sokolov, Igor M.; Metzler, Ralf.  
julkaisussa: Journal of Physics A: Mathematical and Theoretical, Vuosikerta 48, Nro 37, 375002, 18.09.2015.

Tutkimustuotos >> vertaisarvioitu

**Software evolution and time series volatility : An empirical exploration.** / Ruohonen, Jukka; Hyrynsalmi, Sami; Leppänen, Ville.  
14th International Workshop on Principles of Software Evolution, IWPSE 2015 - Proceedings. Vuosikerta 30-Aug-2015 Institute of Electrical and Electronics Engineers Inc., 2015. s. 56-65.

Tutkimustuotos >> vertaisarvioitu

**Influence of relative humidity and physical load during storage on dustiness of inorganic nanomaterials : implications for testing and risk assessment.** / Levin, Marcus; Rojas, Elena; Vanhala, Esa; Vippola, Minnamari; Liguori, Biase; Kling, Kirsten I.; Koponen, Ismo K.; Mølhav, Kristian; Tuomi, Timo; Gregurec, Danijela; Moya, Sergio; Jensen, Keld A.  
julkaisussa: Journal of Nanoparticle Research, Vuosikerta 17, Nro 8, 337, 14.08.2015.

Tutkimustuotos >> vertaisarvioitu



**Ageing first passage time density in continuous time random walks and quenched energy landscapes.** / Krüsemann, Henning; Godec, Aljaž; Metzler, Ralf.  
julkaisussa: Journal of Physics A: Mathematical and Theoretical, Vuosikerta 48, Nro 28, 285001, 17.07.2015.  
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

**Urothelial cancer gene regulatory networks inferred from large-scale RNAseq, Bead and Oligo gene expression data.** / Matos Simoes, Ricardo de; Dalleau, Sabine; Williamson, Kate E.; Emmert-Streib, Frank.  
julkaisussa: BMC Systems Biology, Vuosikerta 9, 21, 14.05.2015.  
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

**Workplace performance of a loose-fitting powered air purifying respirator during nanoparticle synthesis.** / Koivisto, Antti J.; Aromaa, Mikko; Koponen, Ismo K.; Fransman, Wouter; Jensen, Keld A.; Mäkelä, Jyrki M.; Hämeri, Kaarle J.  
julkaisussa: Journal of Nanoparticle Research, Vuosikerta 17, Nro 4, 09.04.2015.  
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

**Conformational properties of complex polymers : Rosette versus star-like structures.** / Blavatska, V.; Metzler, R.  
julkaisussa: Journal of Physics A: Mathematical and Theoretical, Vuosikerta 48, Nro 13, 135001, 07.04.2015.  
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

**Iterative and Participative Axiomatic Design Process in complex mechanical assemblies : case study on fusion engineering.** / Di Gironimo, G.; Lanzotti, A.; Marzullo, D.; Esposito, G.; Carfora, D.; Siuko, M.  
julkaisussa: International Journal on Interactive Design and Manufacturing, Vuosikerta 9, Nro 4, 22.03.2015, s. 325-338.  
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

**Employing a multi-Objective robust optimisation method for healthy and low-energy dwelling design in Delhi, India.** / Nix, Emily; Das, Payel; Taylor, Jonathon; Davies, Michael.  
Proceedings of the 2014 Building Simulation and Optimization Conference. 2015. s. 2093-2100.  
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

**Adaptive autoregressive model for reduction of noise in SPECT.** / Takalo, Reijo; Hytti, Heli; Ihalainen, Heimo; Sohlberg, Antti.  
julkaisussa: Computational and Mathematical Methods in Medicine, Vuosikerta 2015, 494691, 2015.  
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

**Distant speech separation using predicted time-frequency masks from spatial features.** / Pertilä, Pasi; Nikunen, Joonas.  
julkaisussa: Speech Communication, Vuosikerta 68, 2015, s. 97-106.  
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

**Functional size measures and effort estimation in agile development : A replicated study.** / Lenarduzzi, Valentina; Lunesu, Ilaria; Matta, Martina; Taibi, Davide.  
Agile Processes, in Software Engineering, and Extreme Programming - 16th International Conference, XP 2015, Proceedings. Vuosikerta 212 Springer-Verlag Berlin Heidelberg, 2015. s. 105-116 (Lecture Notes in Business Information Processing; Vuosikerta 212).  
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

**Lean software startup – an experience report from an entrepreneurial software business course.** / Järvi, Antero; Taajamaa, Ville; Hyrynsalmi, Sami.  
Software Business - 6th International Conference, ICSOB 2015, Proceedings. Vuosikerta 210 Springer Verlag, 2015. s. 230-244 (Lecture Notes in Business Information Processing; Vuosikerta 210).  
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

**Passive condition pre-enforcement for rights exporting.** / Lu, Wenhui; Nummenmaa, Jyrki; Zhang, Zheyang.  
Perspectives in Business Informatics Research - 14th International Conference, BIR 2015, Proceedings. Vuosikerta 229 Springer Verlag, 2015. s. 241-254 (Lecture Notes in Business Information Processing; Vuosikerta 229).  
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

**The assessment of constructability : BIM cases.** / Tauriainen, M.; Puttonen, J.; Saari, A.; Laakso, P.; Forsblom, K.  
eWork and eBusiness in Architecture, Engineering and Construction - Proceedings of the 10th European Conference on Product and Process Modelling, ECPPM 2014. CRC Press/Balkema, 2015. s. 55-61.

Tutkimustuotos >> vertaisarvioitu

**UX work in startups : Current practices and future needs.** / Hokkanen, Laura; Väänänen-Vainio-Mattila, Kaisa.  
Agile Processes in Software Engineering and Extreme Programming: 16th International Conference, XP 2015, Helsinki, Finland, May 25-29, 2015, Proceedings. Vuosikerta 212 Springer Verlag, 2015. s. 81-92 (Lecture Notes in Business Information Processing; Vuosikerta 212).

Tutkimustuotos >> vertaisarvioitu

**Wealthy, healthy and/or happy —what does 'ecosystem health' stand for?** / Hyrynsalmi, Sami; Seppänen, Marko; Nokkala, Tiina; Suominen, Arho; Järvi, Antero.

6th International Conference on Software Business, ICSOB 2015; Braga; Portugal; 10 June 2015 through 12 June 2015. Vuosikerta 210 Springer Verlag, 2015. s. 272-287 (Lecture Notes in Business Information Processing; Vuosikerta 210).

Tutkimustuotos >> vertaisarvioitu

**Preoperative simulation for the planning of microsurgical clipping of intracranial aneurysms.** / Marinho, Paulo; Vermandel, Maximilien; Bourgeois, Philippe; Lejeune, Jean Paul; Mordon, Serge; Thines, Laurent.

julkaisussa: SIMULATION IN HEALTHCARE, Vuosikerta 9, Nro 6, 20.12.2014, s. 370-376.

Tutkimustuotos >> vertaisarvioitu

**An origami inspired reconfigurable spiral antenna.** / Saintsing, Christy D.; Cook, Benjamin S.; Tentzeris, Manos M.  
38th Mechanisms and Robotics Conference. Vuosikerta 5B The American Society of Mechanical Engineers ASME, 2014.

Tutkimustuotos >> vertaisarvioitu

**Graph based representation and analyses for conceptual stages.** / Coatanéa, Eric; Nonsiri, Sarayut; Christophe, Francois; Mokammel, Faisal.

34th Computers and Information in Engineering Conference. Vuosikerta 1A The American Society of Mechanical Engineers ASME, 2014.

Tutkimustuotos >> vertaisarvioitu

**Towards generic embedded multiprocessing for RVC-CAL dataflow programs.** / Boutellier, Jani; Silvén, Olli.

julkaisussa: Journal of Signal Processing Systems, Vuosikerta 73, Nro 2, 11.2013, s. 137-142.

Tutkimustuotos >> vertaisarvioitu

**Spectral modeling of time series with missing data.** / Rodrigues, Paulo C.; de Carvalho, Miguel.

julkaisussa: Applied Mathematical Modelling, Vuosikerta 37, Nro 7, 01.04.2013, s. 4676-4684.

Tutkimustuotos >> vertaisarvioitu

**Using building simulation to model the drying of flooded building archetypes.** / Taylor, Jonathon; Biddulph, Phillip; Davies, Michael; Ridley, Ian; Mavrogianni, Anna; Oikonomou, Eleni; Lai, Ka Man.

julkaisussa: JOURNAL OF BUILDING PERFORMANCE SIMULATION, Vuosikerta 6, Nro 2, 01.03.2013, s. 119-140.

Tutkimustuotos >> vertaisarvioitu

**Integration of dataflow-based heterogeneous multiprocessor scheduling techniques in GNU radio.** / Zaki, George F.; Plishker, William; Bhattacharyya, Shuvra S.; Clancy, Charles; Kuykendall, John.

julkaisussa: Journal of Signal Processing Systems, Vuosikerta 70, Nro 2, 02.2013, s. 177-191.

Tutkimustuotos >> vertaisarvioitu

**Automatic hierarchical discovery of quasi-static schedules of RVC-CAL dataflow programs.** / Boutellier, Jani; Raulet, Mickaël; Silvén, Olli.

julkaisussa: Journal of Signal Processing Systems, Vuosikerta 71, Nro 1, 2013, s. 35-40.

Tutkimustuotos >> vertaisarvioitu

**Parameterized scheduling of topological patterns in signal processing dataflow graphs.** / Wang, Lai Huei; Shen, Chung Ching; Wu, Shenpei; Bhattacharyya, Shuvra S.

julkaisussa: Journal of Signal Processing Systems, Vuosikerta 71, Nro 3, 2013, s. 275-286.

Tutkimustuotos > > vertaisarvioitu

**PiMM : Parameterized and interfaced dataflow meta-model for MPSoCs runtime reconfiguration.** / Desnos, Karol; Pelcat, Maxime; Nezan, Jean François; Bhattacharyya, Shuvra S.; Aridhi, Slaheddine.

Proceedings - 2013 International Conference on Embedded Computer Systems: Architectures, Modeling and Simulation, IC-SAMOS 2013. IEEE COMPUTER SOCIETY PRESS, 2013. s. 41-48 6621104.

Tutkimustuotos > > vertaisarvioitu

**Theory driven design and real proto typing of biomass pyrolytic stove.** / Ogeya, Mbeo Calvince; Coatanéa, Eric; Medyna, Galina.

Proceedings of the International Conference on Engineering Design, ICED. Vuosikerta 9 DS75-09 2013. s. 69-78.

Tutkimustuotos > > vertaisarvioitu

**Towards an approach for evaluating the quality of requirements.** / Mokammel, Faisal; Coatanea, Eric; Christophe, Francois; Ba Khouya, Mohamed; Medyna, Galina.

33rd Computers and Information in Engineering Conference. Vuosikerta 2 B American Society of Mechanical Engineers, 2013. V02BT02A024.

Tutkimustuotos > > vertaisarvioitu

**Harnessing the complexity of gene expression data from cancer : From single gene to structural pathway methods.** /

Emmert-Streib, Frank; Tripathi, Shailesh; Matos Simoes, Ricardo D.

julkaisussa: Biology Direct, Vuosikerta 7, 44, 10.12.2012.

Tutkimustuotos > > vertaisarvioitu

**Implementation of a direct procedure for critical point computations using preconditioned iterative solvers.** / Kouhia, Reijo; Tůma, Miroslav; Mäkinen, Jari; Fedoroff, Alexis; Marjamäki, Heikki.

julkaisussa: Computers & Structures, Vuosikerta 108-109, 10.2012, s. 110-117.

Tutkimustuotos > > vertaisarvioitu

**Entropy analysis of word-length series of natural language texts : Effects of text language and genre.** / Kalimeri, Maria; Constantoudis, Vassilios; Papadimitriou, Constantinos; Karamanos, Konstantinos; Diakonos, Fotis K.; Papageorgiou, Haris.

julkaisussa: INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, Vuosikerta 22, Nro 9, 1250223, 09.2012.

Tutkimustuotos > > vertaisarvioitu

**Organizational structure and the periphery of the gene regulatory network in B-cell lymphoma.** / de Matos Simoes, Ricardo; Tripathi, Shailesh; Emmert-Streib, Frank.

julkaisussa: BMC Systems Biology, Vuosikerta 6, 38, 14.05.2012.

Tutkimustuotos > > vertaisarvioitu

**A comparison between joint regression analysis and the AMMI model : A case study with barley.** / Pereira, Dulce G.; Rodrigues, Paulo C.; Mejza, Stanislaw; Mexia, João T.

julkaisussa: JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, Vuosikerta 82, Nro 2, 02.2012, s. 193-207.

Tutkimustuotos > > vertaisarvioitu

**A hybrid optimization grey model based on segmented gra and multi-strategy contest for short-term power load forecasting.** / Min, Jin; Xiang, Zhou; Zhiming, Zhang; Tentzeris, Manos M.

julkaisussa: JOURNAL OF GREY SYSTEM, Vuosikerta 24, Nro 1, 2012, s. 15-28.

Tutkimustuotos > > vertaisarvioitu

**Characterizing trustworthy digital rights exporting.** / Lu, Wenhui; Zhang, Zheyang; Nummenmaa, Jyrki.  
Perspectives in Business Informatics Research - 11th International Conference, BIR 2012, Proceedings. Vuosikerta 128 LNBIP Springer Verlag, 2012. s. 85-95 (Lecture Notes in Business Information Processing; Vuosikerta 128 LNBIP).  
Tutkimustuotos >> vertaisarvioitu

**Mapping parameterized cyclo-static dataflow graphs onto configurable hardware.** / Kee, Hojin; Shen, Chung Ching; Bhattacharyya, Shuvra S.; Wong, Ian; Rao, Yong; Kornerup, Jacob.  
julkaisussa: Journal of Signal Processing Systems, Vuosikerta 66, Nro 3, 2012, s. 285-301.  
Tutkimustuotos >> vertaisarvioitu

**Performance evaluation of a flow control algorithm for network-on-chip.** / Bakhouya, Mohamed; Chariete, Abderrahim; Gaber, Jaafar; Wack, Maxime; Niar, Smail; Coatanea, Eric.  
Proceedings of the 2012 International Conference on High Performance Computing and Simulation, HPCS 2012. 2012. s. 281-287 6266925.  
Tutkimustuotos >> vertaisarvioitu

**Reconfigurable miniature sensor nodes for condition monitoring.** / Nylanden, Teemu; Boutellier, Jani; Nikunen, Karri; Hannuksela, Jari; Silven, Olli.  
Proceedings - 2012 International Conference on Embedded Computer Systems: Architectures, Modeling and Simulation, IC-SAMOS 2012. 2012. s. 113-119 6404164.  
Tutkimustuotos >> vertaisarvioitu

**Revenue models of application developers in android market ecosystem.** / Hyrynsalmi, Sami; Suominen, Arho; Mäkilä, Tuomas; Järvi, Antero; Knuutila, Timo.  
Software Business - Third International Conference, ICSOB 2012, Proceedings. Springer Verlag, 2012. s. 209-222 (Lecture Notes in Business Information Processing; Vuosikerta 114).  
Tutkimustuotos >> vertaisarvioitu

**The development of constructability using BIM as an intensifying technology.** / Tauriainen, M.; Mero, A. K.; Lemström, A.; Puttonen, J.; Saari, A.  
eWork and eBusiness in Architecture, Engineering and Construction - Proceedings of the European Conference on Product and Process Modelling 2012, ECPPM 2012. 2012. s. 713-716.  
Tutkimustuotos >> vertaisarvioitu

**Timely report production from WWW data sources.** / Niinimäki, Marko; Niemi, Tapio; Martin, Stephen; Nummenmaa, Jyrki; Thanisch, Peter.  
Workshops on Business Informatics Research, BIR 2011 International Workshops and Doctoral Consortium, Revised Selected Papers. Vuosikerta 106 LNBIP Springer Verlag, 2012. s. 184-195 (Lecture Notes in Business Information Processing; Vuosikerta 106 LNBIP).  
Tutkimustuotos >> vertaisarvioitu

**Towards usability heuristics for games utilizing speech recognition.** / Halonen, Aki; Hyrynsalmi, Sami; Kimppa, Kai K.; Knuutila, Timo; Smed, Jouni; Hakonen, Harri.  
4th Asian Conference on Intelligent Games and Simulation, GAME-ON ASIA 2012 - 4th Asian Simulation Technology Conference, ASTEC 2012. EUROSIS, 2012. s. 51-55.  
Tutkimustuotos >> vertaisarvioitu

**Structural influence of gene networks on their inference : Analysis of C3NET.** / Altay, Gökmen; Emmert-Streib, Frank.  
julkaisussa: Biology Direct, Vuosikerta 6, 31, 22.06.2011.  
Tutkimustuotos >> vertaisarvioitu

**Networks for systems biology : Conceptual connection of data and function.** / Emmert-Streib, F.; Dehmer, M.  
julkaisussa: IET Systems Biology, Vuosikerta 5, Nro 3, 05.2011, s. 185-207.  
Tutkimustuotos >> vertaisarvioitu

**Overview of the MPEG reconfigurable video coding framework.** / Bhattacharyya, Shuvra S.; Eker, Johan; Janneck, Jörn W.; Lucarz, Christophe; Mattavelli, Marco; Raulet, Mickaël.

julkaisussa: Journal of Signal Processing Systems, Vuosikerta 63, Nro 2, 05.2011, s. 251-263.  
Tutkimustuotos >> vertaisarvioitu

**Pathway analysis of expression data : Deciphering functional building blocks of complex diseases.** / Emmert-Streib, Frank ; Glazko, Galina V.

julkaisussa: PLoS Computational Biology, Vuosikerta 7, Nro 5, e1002053, 05.2011.  
Tutkimustuotos >> vertaisarvioitu

**Quasi-static scheduling of CAL actor networks for reconfigurable video coding.** / Boutellier, Jani; Lucarz, Christophe; Lafond, Sébastien; Gomez, Victor Martin; Mattavelli, Marco.

julkaisussa: Journal of Signal Processing Systems, Vuosikerta 63, Nro 2, 05.2011, s. 191-202.  
Tutkimustuotos >> vertaisarvioitu

**Exploiting statically schedulable regions in dataflow programs.** / Gu, Ruirui; Janneck, Jörn W.; Raulet, Mickaël; Bhattacharyya, Shuvra S.

julkaisussa: Journal of Signal Processing Systems, Vuosikerta 63, Nro 1, 04.2011, s. 129-142.  
Tutkimustuotos >> vertaisarvioitu

**OP2A : How to improve the quality of the web portal of open source software products.** / Lavazza, Luigi; Morasca, Sandro ; Taibi, Davide; Tosi, Davide.

Web Information Systems and Technologies - 7th International Conference, WEBIST 2011, Revised Selected Papers. Springer Verlag, 2011. s. 149-162 (Lecture Notes in Business Information Processing; Vuosikerta 101 LNBIP).  
Tutkimustuotos >> vertaisarvioitu

**Topological patterns for scalable representation and analysis of dataflow graphs.** / Sane, Nimish; Kee, Hojin; Seetharaman, Gunasekaran; Bhattacharyya, Shuvra S.

julkaisussa: Journal of Signal Processing Systems, Vuosikerta 65, Nro 2, 2011, s. 229-244.  
Tutkimustuotos >> vertaisarvioitu

**Using the entity-attribute-value model for olap cube construction.** / Thanisch, Peter; Niemi, Tapio; Niinimäki, Marko; Nummenmaa, Jyrki.

Perspectives in Business Informatics Research - 10th International Conference, BIR 2011, Proceedings. Vuosikerta 90 LNBIP Springer Verlag, 2011. s. 59-72 (Lecture Notes in Business Information Processing; Vuosikerta 90 LNBIP).  
Tutkimustuotos >> vertaisarvioitu

**Inferring the conservative causal core of gene regulatory networks.** / Altay, Gökmen; Emmert-Streib, Frank.

julkaisussa: BMC Systems Biology, Vuosikerta 4, 132, 28.09.2010.  
Tutkimustuotos >> vertaisarvioitu

**Local network-based measures to assess the inferability of different regulatory networks.** / Emmert-Streib, F.; Altay, G.

julkaisussa: IET Systems Biology, Vuosikerta 4, Nro 4, ISBEAT000004000004000277000001, 07.2010, s. 277-288.  
Tutkimustuotos >> vertaisarvioitu

**A framework for building behavioral models for design-stage failure identification using dimensional analysis.** / Coatanéa, Eric; Ritola, Tuomas; Tümer, İrem Y.; Jensen, David.

Proceedings of the ASME Design Engineering Technical Conference. Vuosikerta 5 AMER SOC MECHANICAL ENGINEERS, 2010. s. 591-601.

Tutkimustuotos >> vertaisarvioitu

**Applying SCRUM in an OSS development process : An empirical evaluation.** / Lavazza, Luigi; Morasca, Sandro; Taibi, Davide; Tosi, Davide.

Agile Processes in Software Engineering and Extreme Programming - 11th International Conference, XP 2010, Proceedings. Vuosikerta 48 LNBIP Springer Verlag, 2010. s. 147-159 (Lecture Notes in Business Information Processing; Vuosikerta 48 LNBIP).

Tutkimustuotos >> vertaisarvioitu

**Hierarchical coordination of periodic genes in the cell cycle of *Saccharomyces cerevisiae*.** / Emmert-Streib, Frank; Dehmer, Matthias.  
julkaisussa: BMC Systems Biology, Vuosikerta 3, 76, 20.07.2009.  
Tutkimustuotos >> vertaisarvioitu

**Neural networks, cell cultures and some older work on data analysis.** / Acimovic, Jugoslava.  
2009. Julkaisun esittämispaiikka: Okinawa Computational Neuroscience Course 2009, Japani.  
Tutkimustuotos: Konferenssiesitys, posterit tai abstraktit >

**Information processing in the transcriptional regulatory network of yeast : Functional robustness.** / Emmert-Streib, Frank; Dehmer, Matthias.  
julkaisussa: BMC Systems Biology, Vuosikerta 3, 35, 19.03.2009.  
Tutkimustuotos >> vertaisarvioitu

**Measurement theory and dimensional analysis : Methodological impact on the comparison and evaluation process.** / Coatanéa, Eric; Yannou, Bernard; Honkala, Sauli; Lajunen, Antti; Saarelainen, Tanja; Makkonen, Petri.  
19th International Conference on Design Theory and Methodology and 1st International Conference on Micro and Nano Systems, presented at - 2007 ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conference, IDETC/CIE2007. AMER SOC MECHANICAL ENGINEERS, 2008. s. 173-182.  
Tutkimustuotos >> vertaisarvioitu

**Algorithmic computation of knot polynomials of secondary structure elements of proteins.** / Emmert-Streib, Frank.  
julkaisussa: Journal of Computational Biology, Vuosikerta 13, Nro 8, 01.10.2006, s. 1503-1512.  
Tutkimustuotos >> vertaisarvioitu

**Possible structures of nonstoichiometric tin oxide : The composition Sn<sub>2</sub>O<sub>3</sub>.** / Mäki-Jaskari, Matti A.; Rantala, Tapio T.  
julkaisussa: Modelling and Simulation in Materials Science and Engineering, Vuosikerta 12, Nro 1, 01.2004, s. 33-41.  
Tutkimustuotos >> vertaisarvioitu

**A simulation case study of production planning and control in printed wiring board manufacturing.** / Korhonen, H. M E; Heikkilä, Jussi; Törnwall, Jon M.  
julkaisussa: Winter Simulation Conference Proceedings, Vuosikerta 2, 01.12.2001, s. 844-847.  
Tutkimustuotos >> vertaisarvioitu

**Dynamics of a buck converter with a constant power load.** / Grigore, Vlad; Hatonen, Jari; Kyyra, Jorma; Suntio, Teuvo.  
PESC 1998 - 29th Annual IEEE Power Electronics Specialists Conference. Institute of Electrical and Electronics Engineers Inc., 1998. s. 72-78 701881 (PESC Record - IEEE Annual Power Electronics Specialists Conference; Vuosikerta 1).  
Tutkimustuotos >> vertaisarvioitu