

Factors affecting the organizational readiness to design autonomous machine systems : Towards an evaluation framework. / Vuorimaa, Valtteri; Heikkilä, Eetu; Karvonen, Hannu; Koskinen, Kari; Laitinen, Jouko.

Intelligent Systems and Applications - Proceedings of the 2020 Intelligent Systems Conference IntelliSys Volume 3. toim. / Kohei Arai; Supriya Kapoor; Rahul Bhatia. Springer, 2021. s. 742-747 (Advances in Intelligent Systems and Computing; Vuosikerta 1252 AISC).

Tutkimustuotos > > vertaisarvioitu

Simultaneous Identification of Multiple Control Loops in DC Microgrid Power Converters. / Khodamoradi, Aram; Liu, Guangyuan; Mattavelli, Paolo; Messo, Tuomas.

julkaisussa: IEEE Transactions on Industrial Electronics, Vuosikerta 67, Nro 12, 01.12.2020, s. 10641-10651.

Tutkimustuotos > > vertaisarvioitu

Necessary and sufficient conditions for the existence of solution of generalized fuzzy relation equations $A \Leftrightarrow X = B$. / Turunen, Esko.

julkaisussa: Information Sciences, Vuosikerta 536, 01.10.2020, s. 351-357.

Tutkimustuotos > > vertaisarvioitu

Soft robotic gripper with compliant cell stacks for industrial part handling. / Netzev, Metodi; Angleraud, Alexandre; Pieters, Roel.

julkaisussa: IEEE Robotics and Automation Letters, Vuosikerta 5, Nro 4, 01.10.2020, s. 6821-6828.

Tutkimustuotos > > vertaisarvioitu

Model predictive control for regular linear systems. / Dubljevic, Stevan; Humaloja, Jukka-Pekka.

julkaisussa: Automatica, Vuosikerta 119, 109066, 01.09.2020.

Tutkimustuotos > > vertaisarvioitu

Flow-bounded trajectory-scaling algorithm for hydraulic robotic manipulators. / Lampinen, Santeri; Niemi, Jouni; Mattila, Jouni.

2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM 2020. IEEE, 2020. s. 619-624 (IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM).

Tutkimustuotos > > vertaisarvioitu

On the zeros of the partial Hosoya polynomial of graphs. / Ghorbani, Modjtaba; Dehmer, Matthias; Cao, Shujuan; Feng, Lihua; Tao, Jin; Emmert-Streib, Frank.

julkaisussa: Information Sciences, Vuosikerta 524, 01.07.2020, s. 199-215.

Tutkimustuotos > > vertaisarvioitu

Transparent microelectrode arrays fabricated by ion beam assisted deposition for neuronal cell in vitro recordings. / Ryyänänen, Tomi; Mzezewa, Ropafadzo; Meriläinen, Ella; Hyvärinen, Tanja; Lekkala, Jukka; Narkilahti, Susanna; Kallio, Pasi.

julkaisussa: Micromachines, Vuosikerta 11, Nro 5, 497, 01.05.2020.

Tutkimustuotos > > vertaisarvioitu

Effect of energy recovery on efficiency in electro-hydrostatic closed system for differential actuator. / Agostini, Thales; Negri, Victor De; Minav, Tatiana; Pietola, Matti.

julkaisussa: Actuators, Vuosikerta 9, Nro 1, 12, 01.03.2020.

Tutkimustuotos > > vertaisarvioitu

Gaussian mixture models for signal mapping and positioning. / Raitoharju, M.; García-Fernández, F.; Hostettler, R.; Piché, R.; Särkkä, S.

julkaisussa: Signal Processing, Vuosikerta 168, 107330, 01.03.2020.

Tutkimustuotos > > vertaisarvioitu

Circular dichroism in the second harmonic field evidenced by asymmetric Au coated GaAs nanowires. / Belardini, Alessandro; Leahu, Grigore; Petronijevic, Emilija; Hakkarainen, Teemu; Koivusalo, Eero; Piton, Marcelo Rizzo; Talmila, Soile; Guina, Mircea; Sibilia, Concita.

julkaisussa: Micromachines, Vuosikerta 11, Nro 2, 01.02.2020, s. 1-8.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Asymptotics and approximation of large systems of ordinary differential equations. / Paunonen, Lassi; Seifert, David.
julkaisussa: Systems and Control Letters, Vuosikerta 140, 104703, 2020.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Charlie and the CryptoFactory : Towards Secure and Trusted Manufacturing Environments. / Michalas, Antonis; Kiss, Tamas.
20th IEEE Mediterranean Electrotechnical Conference, MELECON 2020: Proceedings. IEEE, 2020. s. 141-146 (IEEE Mediterranean Electrotechnical Conference).

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Comparative energy analysis of a load sensing system and a zonal hydraulics for a 9-tonne excavator. / Casoli, Paolo; Scolari, Fabio; Minav, Tatiana; Rundo, Massimo.
julkaisussa: Actuators, Vuosikerta 9, Nro 2, 39, 2020.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Ethical considerations on using learning analytics in finnish higher education. / Okkonen, Jussi; Helle, Tanja; Lindsten, Hanna.

Advances in Human Factors in Training, Education, and Learning Sciences: Proceedings of the AHFE 2020 Virtual Conference on Human Factors in Training, Education, and Learning Sciences, July 16-20, 2020, USA. toim. / Salman Nazir; Tareq Ahram; Waldemar Karwowski. Springer, 2020. s. 77-85 (Advances in Intelligent Systems and Computing; Vuosikerta 1211 AISC).

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Expectation differences between students and staff of using learning analytics in finnish universities. / Okkonen, Jussi; Helle, Tanja; Lindsten, Hanna.

Information Technology and Systems: Proceedings of ICITS 2020. toim. / Álvaro Rocha; Carlos Ferrás; Carlos Enrique Montenegro Marin; Víctor Hugo Medina García. Springer, 2020. s. 383-393 (Advances in Intelligent Systems and Computing; Vuosikerta 1137 AISC).

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

FinnForest dataset : A forest landscape for visual SLAM. / Ali, Ihtisham; Durmush, Ahmed; Suominen, Olli; Yli-Hietanen, Jari; Peltonen, Sari; Collin, Jussi; Gotchev, Atanas.

julkaisussa: ROBOTICS AND AUTONOMOUS SYSTEMS, Vuosikerta 132, 103610, 2020.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Introducing Multi-Convexity in Path Constrained Trajectory Optimization for Mobile Manipulators. / Singh, Arun Kumar; Ahonen, Andrei; Ghabcheloo, Reza; Mueller, Andreas.

European Control Conference 2020, ECC 2020. IEEE, 2020. s. 1178-1185.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Multi-sensor next-best-view planning as matroid-constrained submodular maximization. / Lauri, Mikko; Pajarinen, Joni; Peters, Jan; Frintrop, Simone.

julkaisussa: IEEE Robotics and Automation Letters, Vuosikerta 5, Nro 4, 2020, s. 5323-5330.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Probabilistic approach to physical object disentangling. / Pajarinen, Joni; Arenz, Oleg; Peters, Jan; Neumann, Gerhard.

julkaisussa: IEEE Robotics and Automation Letters, Vuosikerta 5, Nro 4, 2020, s. 5510-5517.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Quantifying the pore structure of different biochars and their impacts on the water retention properties of Sphagnum moss growing media. / Turunen, Mika; Hyväluoma, Jari; Heikkinen, Jaakko; Keskinen, Riikka; Kaseva, Janne; Hannula, Markus; Rasa, Kimmo.

julkaisussa: Biosystems Engineering, Vuosikerta 191, 2020, s. 96-106.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Redundancy-based visual tool center point pose estimation for long-reach manipulators. / Mäkinen, Petri; Mustalahti, Pauli ; Launis, Sirpa; Mattila, Jouni.
2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM 2020. IEEE, 2020. s. 1387-1393 (IEEE/ASME International Conference on Advanced Intelligent Mechatronics).
[Tutkimustuotos >> vertaisarvioitu](#)

Resilient Cooperative Voltage Control for Distribution Network with High Penetration Distributed Energy Resources. / Gusrialdi, Azwirman; Xu, Ying; Qu, Zhihua; Simaan, Marwan A.
European Control Conference 2020, ECC 2020. IEEE, 2020. s. 1533-1539.
[Tutkimustuotos >> vertaisarvioitu](#)

Using AI to Decrease Demand and Supply Mismatch in ITC Labour Market. / Okkonen, Jussi; Ketamo, Harri; Lindsten, Hanna; Rauhala, Teemu; Viteli, Jarmo.
Advances in Human Factors in Training, Education, and Learning Sciences - Proceedings of the AHFE 2020 Virtual Conference on Human Factors in Training, Education, and Learning Sciences: Proceedings of the AHFE 2020 Virtual Conference on Human Factors in Training, Education, and Learning Sciences, July 16-20, 2020, USA. toim. / Salman Nazir; Tareq Ahram; Waldemar Karwowski. Springer, 2020. s. 310-316 (Advances in Intelligent Systems and Computing; Vuosikerta 1211 AISC).
[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](#)

Geometry-Based V2V Channel Modeling over Millimeter-Wave in Highway Scenarios. / Sadovaya, Yekaterina; Solomitskii, Dmitrii; Mao, Wei; Orhan, Oner; Nikopour, Hosein; Talwar, Shilpa; Andreev, Sergey; Koucheryavy, Yevgeni.
11th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops, ICUMT 2019. IEEE, 2019. (International Congress on Ultra Modern Telecommunications and Control Systems and Workshops).
[Tutkimustuotos >> vertaisarvioitu](#)

Implementation of 3GPP LTE Cat-M1 Technology in NS-3 : System Simulation and Performance. / Masek, Pavel; Stusek, Martin; Zeman, Krystof; Drapela, Roman; Ometov, Aleksandr; Hosek, Jiri.
11th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops, ICUMT 2019. IEEE, 2019. (International Congress on Ultra Modern Telecommunications and Control Systems and Workshops).
[Tutkimustuotos >> vertaisarvioitu](#)

Multi-Radio Perspectives for Massive MTC Localization : Energy Consumption and Utility. / Mikhaylov, Konstantin; Valkama, Mikko; Lema, Maria A.; Andreev, Sergey; Gupta, Rohit; Galinina, Olga; Destino, Giuseppe; Mahmoodi, Toktam; Dohler, Mischa; Koucheryavy, Yevgeni.
11th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops, ICUMT 2019. IEEE, 2019. (International Congress on Ultra Modern Telecommunications and Control Systems and Workshops).
[Tutkimustuotos >> vertaisarvioitu](#)

On Load-Aware Cell Association Schemes for Group User Mobility in mmWave Networks. / Zhukov, Fedor; Galinina, Olga ; Sopin, Eduard; Andreev, Sergey; Samouylov, Konstantin.
11th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops, ICUMT 2019. IEEE, 2019. (International Congress on Ultra Modern Telecommunications and Control Systems and Workshops).
[Tutkimustuotos >> vertaisarvioitu](#)

An approval of MPPT based on pv cell's simplified equivalent circuit during fast-shading conditions. / Rajput, Shailendra; Averbukh, Moshe; Yahalom, Asher; Minav, Tatiana.
julkaisussa: Electronics (Switzerland), Vuosikerta 8, Nro 9, 1060, 01.09.2019.
[Tutkimustuotos >> vertaisarvioitu](#)

Efficient 3D visual perception for robotic rock breaking. / Niu, Longchuan; Chen, Ke; Jia, Kui; Mattila, Jouni.
2019 IEEE 15th International Conference on Automation Science and Engineering, CASE 2019. IEEE, 2019. s. 1124-1130 (IEEE International Conference on Automation Science and Engineering).
Tutkimustuotos >> vertaisarvioitu

Hermitian normalized Laplacian matrix for directed networks. / Yu, Guihai; Dehmer, Matthias; Emmert-Streib, Frank; Jodlbauer, Herbert.
julkaisussa: Information Sciences, Vuosikerta 495, 01.08.2019, s. 175-184.
Tutkimustuotos >> vertaisarvioitu

Depth estimation with ego-motion assisted monocular camera. / Mansour, M.; Davidson, P.; Stepanov, O.; Raunio, J. P.; Aref, M. M.; Piché, R.
julkaisussa: Gyroscopy and Navigation, Vuosikerta 10, Nro 3, 01.07.2019, s. 111-123.
Tutkimustuotos >> vertaisarvioitu

Approximate Controllability for Navier–Stokes Equations in 3D Rectangles Under Lions Boundary Conditions. / Phan, Duy; Rodrigues, Sérgio S.
julkaisussa: Journal of Dynamical and Control Systems, Vuosikerta 25, Nro 3, 07.2019, s. 351-376.
Tutkimustuotos >> vertaisarvioitu

Architecture for Safe Human-Robot Collaboration : Multi-Modal Communication in Virtual Reality for Efficient Task Execution. / Shu, Beibei; Sziebig, Gabor; Pieters, Roel.
2019 IEEE 28th International Symposium on Industrial Electronics, ISIE 2019. IEEE, 2019. s. 2297-2302.
Tutkimustuotos >> vertaisarvioitu

Robust output regulation of counter-flow heat exchangers. / Huhtala, Konsta; Paunonen, Lassi.
3rd IFAC Workshop on Control of Systems Governed by Partial Differential Equations, CPDE 2019. IFAC, 2019. s. 201-206 (IFAC-PapersOnLine; Vuosikerta 52).
Tutkimustuotos >> vertaisarvioitu

The internal model principle for boundary control systems with polynomially bounded exogenous signals. / Humaloja, Jukka-Pekka; Paunonen, Lassi.
3rd IFAC Workshop on Control of Systems Governed by Partial Differential Equations, CPDE 2019. IFAC, 2019. s. 156-161 (IFAC-PapersOnLine; Vuosikerta 52).
Tutkimustuotos >> vertaisarvioitu

Approximate robust output regulation of boundary control systems. / Humaloja, Jukka Pekka; Kurula, Mikael; Paunonen, Lassi.
julkaisussa: IEEE Transactions on Automatic Control, Vuosikerta 64, Nro 6, 06.2019, s. 2210-2223.
Tutkimustuotos >> vertaisarvioitu

Improving tracking performance of composite nonlinear feedback controllers via new reset and hold feature of nonlinear functions. / Pyrhönen, Veli-Pekka; Vilkkö, Matti.
Automaatiopäivät 23: 15-16.5.2019 Oulu.. toim. / Esko Juuso. Oulu : Suomen Automaatioseura, 2019.
Tutkimustuotos >

Robust and perfect tracking control of a DC servo motor. / Pyrhönen, Veli-Pekka.
Automaatiopäivät 23: 15-16.5.2019, Oulu. toim. / Esko Juuso. Oulu : Suomen Automaatioseura, 2019.
Tutkimustuotos >

Mass balance control of crushing circuits. / Itävuo, Pekka; Hulthén, Erik; Yahyaei, Moshen; Vilkkö, Matti.
julkaisussa: Minerals Engineering, Vuosikerta 135, 05.2019, s. 37-47.
Tutkimustuotos >> vertaisarvioitu

Energy-efficient and high-precision control of hydraulic robots. / Koivumäki, Janne; Zhu, Wen Hong; Mattila, Jouni.
julkaisussa: Control Engineering Practice, Vuosikerta 85, 01.04.2019, s. 176-193.

Tutkimustuotos >> vertaisarvioitu

Double Shadowing the Rician Fading Model. / Bhargav, Nidhi; da Silva, Carlos Rafael Nogueira; Cotton, Simon L.; Sofotasios, Paschalis C.; Yacoub, Michel Daoud.
julkaisussa: IEEE Wireless Communications Letters, Vuosikerta 8, Nro 2, 04.2019, s. 344-347.

Tutkimustuotos >> vertaisarvioitu

Nonlinear model predictive energy management of hydrostatic drive transmissions. / Backas, Joni; Ghabcheloo, Reza.
julkaisussa: Proceedings of the Institution of Mechanical Engineers. Part I: Journal of Systems and Control Engineering, Vuosikerta 233, Nro 3, 01.03.2019, s. 335-347.

Tutkimustuotos >> vertaisarvioitu

Improving Session Continuity with Bandwidth Reservation in mmWave Communications. / Moltchanov, Dmitri; Samuylov, Andrey; Petrov, Vitaly; Gapeyenko, Margarita; Himayat, Nageen; Andreev, Sergey; Koucheryavy, Yevgeni.
julkaisussa: IEEE Wireless Communications Letters, Vuosikerta 8, Nro 1, 02.2019, s. 105-108.

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

Performance evaluation of bandwidth reservation for mmWave 5G NR systems. / Begishev, V. O.; Sopin, E. S.; Molchanov, D. A.; Samouylov, A. K.; Gaidamaka, Yu V.; Samouylov, K. E.
julkaisussa: Informatsionno-Upravliaiushchie Sistemy, Nro 5, 01.01.2019, s. 51-63.

Tutkimustuotos >> vertaisarvioitu

Towards detecting structural branching and cyclicity in graphs : A polynomial-based approach. / Dehmer, Matthias; Chen, Zengqiang; Emmert-Streib, Frank; Mowshowitz, Abbe; Shi, Yongtang; Tripathi, Shailesh; Zhang, Yusen.
julkaisussa: Information Sciences, Vuosikerta 471, 01.01.2019, s. 19-28.

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

Characteristics of a circular economy framework to support strategic renewal in manufacturing firms. / Halonen, Nillo; Majuri, Matti; Lanz, Minna.
julkaisussa: Procedia CIRP, Vuosikerta 81, 2019, s. 653-658.

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

Comfort Design in Human Robot Cooperative Tasks. / Changizi, Alireza; Dianatfar, Morteza; Lanz, Minna.
Human Systems Engineering and Design - Proceedings of the 1st International Conference on Human Systems Engineering and Design IHSED2018: Future Trends and Applications. Springer Verlag, 2019. s. 521-526 (Advances in Intelligent Systems and Computing; Vuosikerta 876).

Tutkimustuotos >> vertaisarvioitu

Correlations between holistic awareness of time and innovativeness. / Reunanen, Tero; Vanharanta, Hannu.

Advances in Human Factors, Business Management and Society - Proceedings of the AHFE 2018 International Conference on Human Factors, Business Management and Society, 2018. Springer, 2019. s. 105-117 (Advances in Intelligent Systems and Computing; Vuosikerta 783).

Tutkimustuotos >> vertaisarvioitu

Digitalization Changing Work : Employees' View on the Benefits and Hindrances. / Okkonen, Jussi; Vuori, Vilma; Palvalin, Miikka.

Information Technology and Systems - Proceedings of ICITS 2019. toim. / Manolo Paredes; Carlos Ferrás; Álvaro Rocha. Springer Verlag, 2019. s. 165-176 (Advances in Intelligent Systems and Computing; Vuosikerta 918).

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

Experimental analysis on the turning of aluminum alloy 7075 based on Taguchi method and artificial neural network. /

Joshu, Arjun; Dsouza, Royson; Muthirulan, Veerakumar; Sachidananda, Krishnamurthy H.

julkaisussa: Journal Europeen des Systemes Automatises, Vuosikerta 52, Nro 5, 2019, s. 429-437.

Tutkimustuotos >> vertaisarvioitu

Hardware-in-the-loop platform for testing autonomous vehicle control algorithms. / Heikkinen, Jani Erik; Gafurov, Salimzhan; Kopylov, Sergey; Minav, Tatiana; Grebennikov, Sergey; Kurbanov, Artur.

Proceedings - 12th International Conference on the Developments in eSystems Engineering, DeSE 2019. toim. / Dhiya Al-Jumeily; Jade Hind; Jamila Mustafina; Assem Al-Hajj; Abir Hussain; Evgeni Magid; Hissam Tawfik. IEEE, 2019. s. 906-911 9073320 (International Conference on Developments in eSystems Engineering, DeSE).

Tutkimustuotos >> vertaisarvioitu

How workplaces actually carry out OSH-related risk assessment and management. / Nenonen, Noora; Kivistö-Rahnasto, Jouni; Anttila, Sanna.

Advances in Safety Management and Human Factors - Proceedings of the AHFE 2019 International Conference on Safety Management and Human Factors. toim. / Pedro M. Arezes. Springer Verlag, 2019. s. 239-251 (Advances in Intelligent Systems and Computing; Vuosikerta 969).

Tutkimustuotos >> vertaisarvioitu

Investigation on positioning control strategy and switching optimization of an equal coded digital valve system. / Gao, Qiang; Linjama, Matti; Paloniitty, Miika; Zhu, Yuchuan.

julkaisussa: Proceedings of the Institution of Mechanical Engineers. Part I: Journal of Systems and Control Engineering, 2019.

Tutkimustuotos >> vertaisarvioitu

LeanGame, a digital training tool to implement lean philosophy. / Mattsson, Jasperiina; Nurminen, Raija; Reunanen, Tero.

Advances in Human Factors, Business Management and Society - Proceedings of the AHFE 2018 International Conference on Human Factors, Business Management and Society, 2018. Springer, 2019. s. 26-35 (Advances in Intelligent Systems and Computing; Vuosikerta 783).

Tutkimustuotos >> vertaisarvioitu

On the Distribution of the Stationary Point of Significance Level for Empirical Distribution Function. / Kislitsyn, A. A.; Orlov, Yu N.; Moltchanov, D. A.; Samuylov, A. K.; Chukarin, A. V.; Gaidamaka, Yu V.

2018 10th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE COMPUTER SOCIETY PRESS, 2019. (International Congress on Ultra Modern Telecommunications and Control Systems and Workshops; Vuosikerta 2018-November).

Tutkimustuotos >> vertaisarvioitu

Organizational development-lean thinking through the LeanGame learning game. / Klimoff, Saija; Nurminen, Raija; Reunanen, Tero.

Advances in Human Factors, Business Management and Society - Proceedings of the AHFE 2018 International Conference on Human Factors, Business Management and Society, 2018. Springer, 2019. s. 97-104 (Advances in

Intelligent Systems and Computing; Vuosikerta 783).

Tutkimustuotos >> vertaisarvioitu

Spodumene tailings for porcelain and structural materials : Effect of temperature (1050–1200°C) on the sintering and properties. / Lemougna, Patrick N.; Yliniemi, Juho; Ismailov, Arnold; Levänen, Erkki; Tanskanen, Pekka; Kinnunen, Paivo; Roning, Juha; Illikainen, Mirja.

julkaisussa: Minerals Engineering, 2019.

Tutkimustuotos >> vertaisarvioitu

Task balancing between human and robot in mid-heavy assembly tasks. / Dianatfar, Morteza; Latokartano, Jyrki; Lanz, Minna.

julkaisussa: Procedia CIRP, Vuosikerta 81, 2019, s. 157-161.

Tutkimustuotos >> vertaisarvioitu

Variable speed digital hydraulic transformer-based servo drive. / Linjama, Matti.

julkaisussa: Proceedings of the Institution of Mechanical Engineers. Part I: Journal of Systems and Control Engineering, 2019.

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

On the Sum of Fisher-Snedecor F Variates and its Application to Maximal-Ratio Combining. / Badarneh, Osamah S.; da Costa, Daniel B.; Sofotasios, Paschalis C.; Muhaidat, Sami; Cotton, Simon L.

julkaisussa: IEEE Wireless Communications Letters, Vuosikerta 7, Nro 6, 12.2018, s. 966-969.

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

Graph measures with high discrimination power revisited : A random polynomial approach. / Dehmer, Matthias; Chen, Zengqiang; Emmert-Streib, Frank; Shi, Yongtang; Tripathi, Shailesh.

julkaisussa: Information Sciences, Vuosikerta 467, 01.10.2018, s. 407-414.

Tutkimustuotos >> vertaisarvioitu

A distributed automation architecture for distribution networks, from design to implementation. / Angioni, Andrea; Lu, Shengye; Hooshyar, Hossein; Cairo, Ignasi; Repo, Sami; Ponci, Ferdinanda; Della Giustina, Davide; Kulmala, Anna; Dedè, Alessio; Monti, Antonello; Del Rosario, Gerard; Vanfretti, Luigi; Garcia, Cristina Corchero.

julkaisussa: Sustainable Energy, Grids and Networks, Vuosikerta 15, 09.2018, s. 3-13.

Tutkimustuotos >> vertaisarvioitu

Lessons learnt from real-time monitoring of the low voltage distribution network. / Barbato, Antimo; Dedè, Alessio; Della Giustina, Davide; Massa, Giovanni; Angioni, Andrea; Lipari, Gianluca; Ponci, Ferdinanda; Repo, Sami.

julkaisussa: Sustainable Energy, Grids and Networks, Vuosikerta 15, 09.2018, s. 76-85.

Tutkimustuotos >> vertaisarvioitu

Multi-source localization using a DOA Kernel based spatial covariance model and complex nonnegative matrix factorization. / Carabias-Orti, J. J.; Cabanas-Molero, P.; Vera-Candeas, P.; Nikunen, J.

2018 IEEE 10th Sensor Array and Multichannel Signal Processing Workshop, SAM 2018. IEEE, 2018. s. 440-444 8448664 (Proceedings of the IEEE Sensor Array and Multichannel Signal Processing Workshop).

Tutkimustuotos >> vertaisarvioitu

Complete Odometry Estimation of a Vehicle Using Single Automotive Radar and a Gyroscope. / Ghabcheloo, Reza; Siddiqui, Shadman.
MED 2018 - 26th Mediterranean Conference on Control and Automation. IEEE, 2018. s. 855-860 8442474.
Tutkimustuotos >> vertaisarvioitu

Dimensional analysis conceptual modeling supporting adaptable reasoning in simulation-based training. / Coatanea, Eric; Roca, Ric.
2018 13th System of Systems Engineering Conference, SoSE 2018. IEEE, 2018. s. 245-252.
Tutkimustuotos >> vertaisarvioitu

Efficient method for the real-time contingency analysis of meshed HVDC power grids fed by VSC stations. / Castro, Luis M.; Acha, Enrique; Rodriguez-Rodriguez, Juan R.
julkaisussa: IET Generation, Transmission and Distribution, Vuosikerta 12, Nro 13, 31.07.2018, s. 3158-3166.
Tutkimustuotos >> vertaisarvioitu

Stabilization to trajectories for parabolic equations. / Phan, Duy; Rodrigues, Sérgio S.
julkaisussa: Mathematics of Control, Signals, and Systems, Vuosikerta 30, Nro 2, 11, 01.06.2018.
Tutkimustuotos >> vertaisarvioitu

Preface : Special Issue on 'New Hydraulic Components for Tough Robots'. / Suzumori, Koichi; Hyon, Sang Ho; Semini, Claudio; Mattila, Jouni; Kanda, Takefumi.
julkaisussa: Advanced Robotics, Vuosikerta 32, Nro 9, 03.05.2018.
Tutkimustuotos >

Backshoring of production in the context of a small and open Nordic economy. / Heikkilä, Jussi; Martinsuo, Miia; Nenonen, Sanna.
julkaisussa: Journal of Manufacturing Technology Management, Vuosikerta 29, Nro 4, 05.2018, s. 658-675.
Tutkimustuotos >> vertaisarvioitu

An approach to combining related notifications in large-scale building management systems with a rehabilitation facility case study. / Evchina, Yulia; Martinez Lastra, Jose Luis.
julkaisussa: Automation in Construction, Vuosikerta 87, 31.03.2018, s. 106-116.
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

Addressing closed-chain dynamics for high-precision control of hydraulic cylinder actuated manipulators. / Koivumäki, Janne; Zhu, Wen Hong; Mattila, Jouni.
BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018. ASME, 2018.
Tutkimustuotos >> vertaisarvioitu

A neural network strategy for learning of nonlinearities toward feed-forward control of pressure-compensated hydraulic valves with a significant dead zone. / Nurmi, Jarmo; Aref, Mohammad M.; Mattila, Jouni.
BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018. ASME, 2018.
Tutkimustuotos >> vertaisarvioitu

A Simple Robust Controller for Port-Hamiltonian Systems. / Paunonen, Lassi; Gorrec, Yann Le; Ramírez, Héctor.
6th IFAC Workshop on Lagrangian and Hamiltonian Methods for Nonlinear Control LHMNC 2018. 2018. s. 92-96 (IFAC-PapersOnLine; Vuosikerta 51, Nro 3).
Tutkimustuotos >> vertaisarvioitu

Asynchronous communication platform concept to coordinate large-scale industrial processes. / Kannisto, Petri; Hästbacka, David.
julkaisussa: IFAC-PapersOnLine, Vuosikerta 51, Nro 11, 2018, s. 1403-1408.
[Tutkimustuotos](#) >> [vertaisarvioitu](#)

A variable switching point predictive current control strategy for quasi-Z-source inverters. / Karamanakos, Petros; Ayad, Ayman Francees; Kennel, Ralph.
julkaisussa: IEEE Transactions on Industry Applications, Vuosikerta 54, Nro 2, 2018, s. 1469-1480.
[Tutkimustuotos](#) >> [vertaisarvioitu](#)

Avoiding wow-gaps through wow-canvas in business development. / Penttinen, Marcus; Reunanen, Tero; Borgmeier, Arndt.
Advances in Human Factors, Business Management and Leadership - Proceedings of the AHFE 2017 International Conferences on Human Factors in Management and Leadership, and Business Management and Society. Springer Verlag, 2018. s. 86-95 (Advances in Intelligent Systems and Computing; Vuosikerta 594).
[Tutkimustuotos](#) >> [vertaisarvioitu](#)

Bilateral teleoperation of a hydraulic robotic manipulator in contact with physical and virtual constraints. / Lampinen, Santeri; Koivumäki, Janne; Mattila, Jouni.
BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018. ASME, 2018.
[Tutkimustuotos](#) >> [vertaisarvioitu](#)

Direct position control of electro-hydraulic excavator. / Danaee, Siavash; Nurmi, Jarmo; Minav, Tatiana; Mattila, Jouni; Pietola, Matti.
BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018. ASME, 2018.
[Tutkimustuotos](#) >> [vertaisarvioitu](#)

Effect of driver and work cycle on losses of a loader. / Tikkanen, Seppo; Ahola, Ville; Koskela, Elias.
BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018. ASME, 2018.
[Tutkimustuotos](#) >> [vertaisarvioitu](#)

Energy System Planning towards Renewable Power System : Energy Matrix Change in Cuba by 2030. / Vazquez, L.; Majanne, Y.; Castro, M.; Luukkanen, J.; Hohmeyer, O.; Vilaragut, M.; Diaz, D.
julkaisussa: IFAC-PapersOnLine, Vuosikerta 51, Nro 28, 2018, s. 522-527.
[Tutkimustuotos](#) >> [vertaisarvioitu](#)

Finding the wow-factor to enhance business. / Penttinen, Marcus; Reunanen, Tero; Borgmeier, Arndt.
Advances in Human Factors, Business Management and Leadership - Proceedings of the AHFE 2017 International Conferences on Human Factors in Management and Leadership, and Business Management and Society. Springer Verlag, 2018. s. 96-105 (Advances in Intelligent Systems and Computing; Vuosikerta 594).
[Tutkimustuotos](#) >> [vertaisarvioitu](#)

Floating frame of reference formulation for a flexible manipulator with hydraulic actuation - Modelling and experimental validation. / Mäkinen, Petri; Dmitrochenko, Oleg; Mattila, Jouni.
BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018. ASME, 2018.
[Tutkimustuotos](#) >> [vertaisarvioitu](#)

Generator Platform of Benchmark Time-Lapsed Images Development of Cell Tracking Algorithms : Implementation of New Features Towards a Realistic Simulation of the Cell Spatial and Temporal Organization. / Martins, Leonardo; Canelas, Pedro; Mora, André; Ribeiro, Andre S.; Fonseca, José.
Simulation and Modeling Methodologies, Technologies and Applications - International Conference, SIMULTECH 2016, Revised Selected Papers. Springer Verlag, 2018. s. 52-74 (Advances in Intelligent Systems and Computing; Vuosikerta 676).
[Tutkimustuotos](#) >> [vertaisarvioitu](#)

Management style, focus and purpose in development of lean in university hospital. / Reunanen, Tero; Maijala, Riikka.
Advances in Human Factors, Business Management and Leadership - Proceedings of the AHFE 2017 International Conferences on Human Factors in Management and Leadership, and Business Management and Society. Springer

Verlag, 2018. s. 52-64 (Advances in Intelligent Systems and Computing; Vuosikerta 594).

Tutkimustuotos >> vertaisarvioitu

Mixed-integer linear programming approach for global discrete sizing optimization of frame structures. / van Mellaert, R.; Mela, K.; Tiainen, T.; Heinisuo, M.; Lombaert, G.; Schevenels, M.

julkaisussa: Structural and Multidisciplinary Optimization, Vuosikerta 57, Nro 2, 2018, s. 579–593.

Tutkimustuotos >> vertaisarvioitu

Model-based control of a digital hydraulic transformer-based hybrid actuator. / Linjama, Matti.

BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018. 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

On the basis of the sales engineering competences and education. / Reunanen, Tero; Röhr, Thomas; Holopainen, Timo; Schneider-Störmann, Ludger; Görne, Jobst.

Advances in Human Factors, Business Management and Leadership - Proceedings of the AHFE 2017 International Conferences on Human Factors in Management and Leadership, and Business Management and Society. Springer Verlag, 2018. s. 160-172 (Advances in Intelligent Systems and Computing; Vuosikerta 594).

Tutkimustuotos >> vertaisarvioitu

On the degeneracy of the Randić entropy and related graph measures. / Dehmer, Matthias; Chen, Zengqiang; Mowshowitz, Abbe; Jodlbauer, Herbert; Emmert-Streib, Frank; Shi, Yongtang; Tripathi, Shailesh; Xia, Chengyi.

julkaisussa: Information Sciences, 2018.

Tutkimustuotos >> vertaisarvioitu

PHIL Test Bench for Online-Identification Methods of Complex Power Grid. / Reinikka, T.; Luhtala, R.; Alenius, H.; Roinila, T.; Messo, T.

julkaisussa: IFAC-PapersOnLine, Vuosikerta 51, Nro 15, 2018, s. 832-837.

Tutkimustuotos >> vertaisarvioitu

Reduced Order Internal Models in the Frequency Domain. / Laakkonen, Petteri; Paunonen, Lassi.

julkaisussa: IEEE Transactions on Automatic Control, Vuosikerta 63, Nro 6, 2018, s. 1806-1812.

Tutkimustuotos >> vertaisarvioitu

Robust Regulation of Infinite-Dimensional Port-Hamiltonian Systems. / Humaloja, Jukka-Pekka; Paunonen, Lassi.

julkaisussa: IEEE Transactions on Automatic Control, Vuosikerta 63, Nro 5, 2018.

Tutkimustuotos >> vertaisarvioitu

System-level analysis of IEEE 802.11ah technology for unsaturated MTC traffic. / Ometov, Aleksandr; Daneshfar, Nader; Hazmi, Ali; Andreev, Sergey; Del Carpio, Luis Felipe; Amin, Parth; Torsner, Johan; Koucheryavy, Yevgeni; Valkama, Mikko.

julkaisussa: International Journal of Sensor Networks, Vuosikerta 26, Nro 4, 2018, s. 269-282.

Tutkimustuotos >> vertaisarvioitu

Utilizing the innovation potential of suppliers in construction projects. / Sariola, Rami.

julkaisussa: Construction Innovation, Vuosikerta 18, Nro 2, 2018.

Tutkimustuotos >> vertaisarvioitu

基于相位旋转的SCMA码本优化方法. / Shao, Kai; Zhou, Bowen; Wang, Guangyu; Yu, Bei.

julkaisussa: Xi Tong Gong Cheng Yu Dian Zi Ji Shu/Systems Engineering and Electronics, Vuosikerta 40, Nro 10, 2018, s. 2354-2362.

Tutkimustuotos >> vertaisarvioitu

A Reduced-Order Two-Degree-of-Freedom Composite Nonlinear Feedback Control for a Rotary DC Servo Motor. / Pyrhönen, Veli-Pekka; Koivisto, Hannu; Vilkkö, Matti.
Proceedings of the 56th IEEE Conference on Decision and Control. Melbourne, Australia, 2017. s. 2065-2071.
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Quantitative Graph Theory : A new branch of graph theory and network science. / Dehmer, Matthias; Emmert-Streib, Frank; Shi, Yongtang.
julkaisussa: Information Sciences, Vuosikerta 418-419, 01.12.2017, s. 575-580.
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Sparse approximations in complex domain based on BM3D modeling. / Katkovnik, Vladimir; Ponomarenko, Mykola; Egiazarian, Karen.
julkaisussa: Signal Processing, Vuosikerta 141, 01.12.2017, s. 96-108.
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Adaptive and nonlinear control of discharge pressure for variable displacement axial piston pumps. / Koivumäki, Janne; Mattila, Jouni.
julkaisussa: Journal of Dynamic Systems, Measurement and Control: Transactions of the ASME, Vuosikerta 139, Nro 10, 101008, 01.10.2017.
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Highly unique network descriptors based on the roots of the permanent polynomial. / Dehmer, Matthias; Emmert-Streib, Frank; Hu, Bo; Shi, Yongtang; Stefu, Monica; Tripathi, Shailesh.
julkaisussa: Information Sciences, Vuosikerta 408, 01.10.2017, s. 176-181.
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Multiuser detection scheme for SCMA with partial extrinsic information transmission. / Shao, Kai; Yu, Bei; Wang, Guangyu.
julkaisussa: Xi Tong Gong Cheng Yu Dian Zi Ji Shu/Systems Engineering and Electronics, Vuosikerta 39, Nro 10, 01.10.2017, s. 2320-2326.
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

A generic method to optimize a redundant serial robotic manipulator's structure. / Kivelä, Tuomo; Mattila, Jouni; Puura, Jussi.
julkaisussa: Automation in Construction, Vuosikerta 81, 01.09.2017, s. 172-179.
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Robust Output Regulation for Continuous-Time Periodic Systems. / Paunonen, Lassi.
julkaisussa: IEEE Transactions on Automatic Control, Vuosikerta 62, Nro 9, 01.09.2017, s. 4363-4375.
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Real-time hardware- and software-in-the-loop simulation of decentralised distribution network control architecture. / Tuominen, Ville; Reponen, Hannu; Kulmala, Anna; Lu, Shengye; Repo, Sami.
julkaisussa: IET Generation, Transmission and Distribution, Vuosikerta 11, Nro 12, 24.08.2017, s. 3057-3064.
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Feed-hopper level estimation and control in cone crushers. / Itävuori, Pekka; Hulthén, Erik; Vilkkö, Matti.
julkaisussa: Minerals Engineering, Vuosikerta 110, 15.08.2017, s. 82-95.
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Indirect NO_x emission monitoring in natural gas fired boilers. / Korpela, Timo; Kumpulainen, Pekka; Majanne, Yrjö; Häyrynen, Anna; Lautala, Pentti.
julkaisussa: Control Engineering Practice, Vuosikerta 65, 01.08.2017, s. 11-25.
[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Multi-robot active information gathering with periodic communication. / Lauri, Mikko; Heinänen, Eero; Frintrop, Simone.
ICRA 2017 - IEEE International Conference on Robotics and Automation. IEEE, 2017. s. 851-856.

Tutkimustuotos >> vertaisarvioitu

Robustifying correspondence based 6D object pose estimation. / Hietanen, Antti; Halme, Jussi; Buch, Anders Glent; Latokartano, Jyrki; Kamarainen, J.-K.

ICRA 2017 - IEEE International Conference on Robotics and Automation. IEEE, 2017. s. 739-745.

Tutkimustuotos >> vertaisarvioitu

Order reduction for a signaling pathway model of neuronal synaptic plasticity. / Lehtimäki, Mikko; Paunonen, Lassi; Pohjolainen, Seppo; Linne, Marja-Leena.

20th IFAC World Congress. IFAC, 2017. s. 7687-7692 (IFAC-PapersOnLine; Vuosikerta 50).

Tutkimustuotos >> vertaisarvioitu

Robust Regulation of MIMO systems : A Reformulation of the Internal Model Principle. / Laakkonen, Petteri.

20th IFAC World Congress. IFAC, 2017. s. 693-697 (IFAC-PapersOnLine; Vuosikerta 50).

Tutkimustuotos >> vertaisarvioitu

Utilization of Drum Boilers' Storage Capacity for Flexible Operation. / Majanne, Yrjö; Yli-Fossi, Timo; Korpela, Timo; Nurmoranta, Maria; Kortela, Jukka.

IFAC-PapersOnLine. IFAC, 2017. s. 2005-2010 (IFAC-PapersOnLine; Vuosikerta 50).

Tutkimustuotos >> vertaisarvioitu

Mobile devices and professional equipment synergies for sport video summary production. / Mate, Sujeet; Curcio, Igor D.D.; Shetty, Ranjeeth; Cricri, Francesco.

TVX 2017 - Adjunct Publication of the 2017 ACM International Conference on Interactive Experiences for TV and Online Video. ACM, 2017. s. 45-50.

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 fractional representation approach to the robust regulation problem for SISO systems. / Laakkonen, P.; Quadrat, A.

julkaisussa: Systems and Control Letters, Vuosikerta 103, 01.05.2017, s. 32-37.

Tutkimustuotos >> vertaisarvioitu

Asymptotic behaviour in the robot rendezvous problem. / Paunonen, Lassi; Seifert, David.

julkaisussa: Automatica, Vuosikerta 79, 01.05.2017, s. 127-130.

Tutkimustuotos >> vertaisarvioitu

Output Regulation of Infinite-Dimensional Time-Delay Systems. / Paunonen, Lassi.

American Control Conference (ACC), 2017. IEEE, 2017. s. 3189-3193 (Proceedings of the American Control Conference; Vuosikerta 2017).

Tutkimustuotos >> vertaisarvioitu

A survey on control of hydraulic robotic manipulators with projection to future trends. / Mattila, Jouni; Koivumäki, Janne; Caldwell, Darwin G.; Semini, Claudio.

julkaisussa: IEEE - ASME Transactions on Mechatronics, Vuosikerta 22, Nro 2, 01.04.2017, s. 669-680.

Tutkimustuotos: Katsausartikkeli >> vertaisarvioitu

Guest editorial introduction to the focused section on design and control of hydraulic robots. / Mattila, J.; Semini, C.; Moon, H.; Buchli, J.; Hyon, S.; Li, P. Y.; Yao, B.

julkaisussa: IEEE - ASME Transactions on Mechatronics, Vuosikerta 22, Nro 2, 01.04.2017, s. 585-588.

Tutkimustuotos >

Determining maximum MPP-tracking sampling frequency for input-voltage-controlled PV-interfacing converter. / Kivimäki, Jyri; Sitbon, Moshe; Kolesnik, Sergei; Kuperman, Alon; Suntio, Teuvo.

8th Annual IEEE Energy Conversion Congress & Exposition (ECCE 2016). IEEE, 2017.

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.

Tutkimustuotos > > vertaisarvioitu

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

Data Rate Assessment on L2-L3 CPU Bus and Bus between CPU and RAM in Modern CPUs. / Komar, M. S.

julkaisussa: Automatic Control and Computer Sciences, Vuosikerta 51, Nro 7, 2017, s. 701-708.

Tutkimustuotos > > vertaisarvioitu

Design Flow for GPU and Multicore Execution of Dynamic Dataflow Programs. / Boutellier, J.; Nyländén, T.

julkaisussa: Journal of Signal Processing Systems, Vuosikerta 89, Nro 3, 2017, s. 469-478.

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

Encapsulation Of MES Functionalities As RESTful Web Services For Knowledge-Driven Manufacturing Systems. / Mohammed, Wael M.

Tampere University of Technology, 2017.

Tutkimustuotos: Diplomityö tai pro gradu -työ >

From theories to game mechanics : Developing a game for training rational numbers. / Kiili, Kristian.

Proceedings of the 11th European Conference on Games Based Learning, ECGBL 2017. Academic Conferences and Publishing International Limited, 2017. s. 328-334.

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

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

Relay Selection Based Full-Duplex Cooperative Systems under Adaptive Transmission. / Sofotasios, Paschalis C.; Fikadu, Mulugeta K.; Muhaidat, Sami; Freear, Steven; Karagiannidis, George K.; Valkama, Mikko.

julkaisussa: IEEE Wireless Communications Letters, Vuosikerta 6, Nro 5, 2017, s. 602-605.

Tutkimustuotos >> vertaisarvioitu

Structural development of substance in engineering education : Method of cornerstones. / Korpela, Aki; Tarhasaari, Timo; Kettunen, Lauri; Mikkonen, Risto; Kinnari-Korpela, Hanna.

Interactive Collaborative Learning - Proceedings of the 19th ICL Conference - Volume 1. Springer Verlag, 2017. s. 566-576 (Advances in Intelligent Systems and Computing; Vuosikerta 544).

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

Editorial to "The best papers from the 32nd International Symposium on Automation and Robotics in Construction and Mining (ISARC 2015)". / Malaska, Mikko; Heikkilä, Rauno.

julkaisussa: Automation in Construction, Vuosikerta 71, 01.11.2016, s. 1.

Tutkimustuotos >

Model-based force and position tracking control of an asymmetric cylinder with a digital hydraulic valve. / Linjama, Matti; Huova, Mikko; Huhtala, Kalevi.

julkaisussa: International Journal of Fluid Power, Vuosikerta 17, Nro 3, 01.09.2016, s. 163-172.

Tutkimustuotos >> vertaisarvioitu

Characterizing the Impact of Diffuse Scattering in Urban Millimeter-Wave Deployments. / Solomitskii, Dmitrii; Li, Qian Clara; Balercia, Tommaso; Da Silva, Claudio R C M; Talwar, Shilpa; Andreev, Sergey; Koucheryavy, Yevgeni.

julkaisussa: IEEE Wireless Communications Letters, Vuosikerta 5, Nro 4, 01.08.2016, s. 432-435.

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

A manager's means to motivate experts at work. / Koskialho, Johanna.

Advances in Human Factors, Business Management, Training and Education - Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society: July 27-31, 2016, Walt Disney World®, Florida, USA. toim. / Jussi Kantola; Tibor Barath; Salman Nazir; Terence Andre. Springer International Publishing, 2016. s. 1047-1054 (Advances in Intelligent Systems and Computing; Vuosikerta 498).

Tutkimustuotos >> vertaisarvioitu

Space for company democracy. / Markopoulos, Evangelos; Vanharanta, Hannu.

Advances in Human Factors, Business Management, Training and Education - Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society: July 27-31, 2016, Walt Disney World®, Florida, USA. Springer International Publishing, 2016. s. 275-287 (Advances in Intelligent Systems and Computing; Vuosikerta 498).

Tutkimustuotos >> vertaisarvioitu

Comparison of photovoltaic and wind generators as dynamic input sources to power processing interfaces. / Kolesnik, S.; Sitbon, M.; Agranovich, G.; Kuperman, A.; Suntio, T.
2016 2nd International Conference on Intelligent Energy and Power Systems, IEPS 2016 - Conference Proceedings. IEEE, 2016.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Robust data reconciliation of combustion variables in multi-fuel fired industrial boilers. / Korpela, Timo; Suominen, Olli; Majanne, Yrjö; Laukkanen, Ville; Lautala, Pentti.

julkaisussa: Control Engineering Practice, Vuosikerta 55, 21.07.2016, s. 101-115.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

A Computationally Efficient Model Predictive Control Strategy for Linear Systems with Integer Inputs. / Karamanakos, Petros; Geyer, Tobias; Kennel, Ralph.

julkaisussa: IEEE Transactions on Control Systems Technology, Vuosikerta 24, Nro 4, 07.2016, s. 1463-1471.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Automated Estimation of Contact Angle on Hydrophobic Fibers using a Microrobotic Platform. / Hirvonen, Juha; Lai, Yuli; Cunha, Gisela; Rojas, Orlando; Kallio, Pasi.

Proceedings of the Sixth International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale (3M-NANO). IEEE, 2016.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Fifty years of graph matching, network alignment and network comparison. / Emmert-Streib, Frank; Dehmer, Matthias; Shi, Yongtang.

julkaisussa: Information Sciences, Vuosikerta 346-347, 10.06.2016, s. 180-197.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Learning movement synchronization in multi-component robotic systems. / Thabet, Mohammad; Montebelli, Alberto; Kyrki, Ville.

2016 IEEE International Conference on Robotics and Automation (ICRA) . IEEE, 2016. s. 249-256.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Optimizing gaze direction in a visual navigation task. / Välimäki, Tuomas; Ritala, Risto.

2016 IEEE International Conference on Robotics and Automation (ICRA) . IEEE, 2016. s. 1427-1432.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

On the windy road to become a service provider : Reflections from designing a mission critical information system provided as a service. / Koski, Aapo; Mikkonen, Tommi.

2016 International Conference on Information Systems Engineering (ICISE) . IEEE, 2016. s. 51-56.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Linear accelerometers and rate gyros for rotary joint angle estimation of heavy-duty mobile manipulators using forward kinematic modeling. / Vihonen, Juho; Honkakorpi, Janne; Tuominen, Janne; Mattila, Jouni; Visa, Ari.

julkaisussa: IEEE - ASME Transactions on Mechatronics, Vuosikerta 21, Nro 3, 01.06.2016, s. 1765-1774.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Coordinating proactive social devices in a mobile cloud : Lessons learned and a way forward. / Mäkitalo, Niko; Aaltonen, Timo; Mikkonen, Tommi.

MOBILESoft '16 Proceedings of the International Conference on Mobile Software Engineering and Systems . ACM, 2016. s. 179-188.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Energy saving in working hydraulics of long booms in heavy working vehicles. / Immonen, Paula; Ponomarev, Pavel; Åman, Rafael; Ahola, Ville; Uusi-Heikkilä, Janne; Laurila, Lasse; Handroos, Heikki; Niemelä, Markku; Pyrhönen, Juha; Huhtala, Kalevi.

julkaisussa: Automation in Construction, Vuosikerta 65, 01.05.2016, s. 125-132.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Commitment and motivation in professional organization. / Koskialho, Johanna; Einolander, Jarno; Vanharanta, Hannu. Advances in Human Factors, Business Management, Training and Education: Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society. Springer Verlag, 2016. s. 47-58 (Advances in Intelligent Systems and Computing; Vuosikerta 498).

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Degree of agility with an ontology based application. / Salo, Markku; Markopoulos, Evangelos; Vanharanta, Hannu; Kantola, Jussi.

Advances in Human Factors, Business Management, Training and Education - Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society. Springer Verlag, 2016. s. 1007-1018 (Advances in Intelligent Systems and Computing; Vuosikerta 498).

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Delphic maxims based applied philosophy for business and governance management. / Markopoulos, Evangelos; Vanharanta, Hannu.

Advances in Human Factors, Business Management, Training and Education - Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society, : July 27-31, 2016, Walt Disney World®, Florida, USA. Springer Verlag, 2016. s. 33-45 (Advances in Intelligent Systems and Computing; Vuosikerta 498).

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Development of students' commitment over time—case study from a finnish university of technology. / Einolander, Jarno; Vanharanta, Hannu.

Advances in Human Factors, Business Management, Training and Education: Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society. Springer Verlag, 2016. s. 69-77 (Advances in Intelligent Systems and Computing; Vuosikerta 498).

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Different roles in leadership styles in modern organization. / Reunanen, Tero; Kaitonen, Jaana.

Advances in Human Factors, Business Management, Training and Education - Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society: July 27-31, 2016, Walt Disney World®, Florida, USA. Vuosikerta 498 Springer Verlag, 2016. s. 251-262 (Advances in Intelligent Systems and Computing; Vuosikerta 498).

[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](#)

Graph Embedded Extreme Learning Machine. / Iosifidis, Alexandros; Tefas, Anastasios; Pitas, Ioannis.

julkaisussa: IEEE Transactions on Cybernetics, Vuosikerta 46, Nro 1, 2016, s. 311 - 324.

[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](#)

Innovativeness through time management. / Reunanen, Tero; Windahl, Riitta; Vanharanta, Hannu.

Advances in Human Factors, Business Management, Training and Education - Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society, : July 27-31, 2016, Walt Disney World®, Florida, USA. Vuosikerta 498 Springer Verlag, 2016. s. 289-299 (Advances in Intelligent Systems and Computing; Vuosikerta 498).

[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

Leadership focus in modern expert organization. / Reunanen, Tero; Junno, Marko.
Advances in Human Factors, Business Management, Training and Education - : Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society, July 27-31, 2016, Walt Disney World®, Florida, USA . Vuosikerta 498 Springer Verlag, 2016. s. 979-991 (Advances in Intelligent Systems and Computing; Vuosikerta 498).
Tutkimustuotos > > vertaisarvioitu

Master's students' commitment and engagement in their course behavior. / Einolander, Jarno; Vanharanta, Hannu; Visa, Ari.
Advances in Human Factors, Business Management, Training and Education: Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society. Springer Verlag, 2016. s. 59-68 (Advances in Intelligent Systems and Computing; Vuosikerta 498).
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

Online tests of Kalman filter consistency. / Piché, Robert.
julkaisussa: International Journal of Adaptive Control and Signal Processing, Vuosikerta 30, Nro 1, 2016, s. 115–124.
Tutkimustuotos > > vertaisarvioitu

Prerequisites and conditions for socially sustainable manufacturing in Europe's future factories—results overview from the SO SMART project. / Berlin, Cecilia; Barletta, Ilaria; Fantini, Paola; Georgoulas, Konstantinos; Hansich, Christoph; Lanz, Minna; Latokartano, Jyrki; Pinzone, Marta; Schönborn, Gregor; Stahre, Johan; Taisch, Marco; Tuokko, Reijo.
Advances in Ergonomics of Manufacturing: Managing the Enterprise of the Future - Proceedings of the AHFE International Conference on Human Aspects of Advanced Manufacturing, 2016. Vuosikerta 490 Springer Verlag, 2016. s. 319-330 (Advances in Intelligent Systems and Computing; Vuosikerta 490).
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

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

"Wow-factors" for boosting business. / Reunanen, Tero; Penttinen, Marcus; Borgmeier, Arndt.
Advances in human factors, business management, training and education - proceedings of the ahfe 2016 international conference on human factors, business management and society: July 27-31, 2016. Walt Disney World®, Florida, USA.

Vuosikerta 498 Springer Verlag, 2016. s. 589-600 (Advances in Intelligent Systems and Computing).

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

Cosparse dictionary learning for the orthogonal case. / Irofti, Paul; Dumitrescu, Bogdan.

2015 19th International Conference on System Theory, Control and Computing, ICSTCC 2015 - Joint Conference

SINTES 19, SACCS 15, SIMSIS 19. IEEE, 2015. s. 343-347.

Tutkimustuotos > > vertaisarvioitu

Polynomial Input-Output Stability for Linear Systems. / Paunonen, Lassi; Laakkonen, Petteri.

julkaisussa: IEEE Transactions on Automatic Control, Vuosikerta 60, Nro 10, 01.10.2015, s. 2797-2802.

Tutkimustuotos > > vertaisarvioitu

Direct model predictive current control of quasi-Z-source inverters. / Ayad, Ayman; Karamanakos, Petros; Kennel, Ralph.

Proceedings - 2015 IEEE International Symposium on Predictive Control of Electrical Drives and Power Electronics,

PRECEDE 2015. Institute of Electrical and Electronics Engineers Inc., 2015. s. 67-72.

Tutkimustuotos > > vertaisarvioitu

Stability-Guaranteed Force-Sensorless Contact Force/Motion Control of Heavy-Duty Hydraulic Manipulators. / Koivumäki,

Janne; Mattila, Jouni.

julkaisussa: IEEE Transactions on Robotics, Vuosikerta 31, Nro 4, 01.08.2015, s. 918-935.

Tutkimustuotos > > vertaisarvioitu

Effective variable switching point predictive current control for ac low-voltage drives. / Stolze, Peter; Karamanakos, Petros ; Kennel, Ralph; Manias, Stefanos; Endisch, Christian.

julkaisussa: International Journal of Control, Vuosikerta 88, Nro 7, 03.07.2015, s. 1366-1378.

Tutkimustuotos > > vertaisarvioitu

Railway fastener inspection by real-time machine vision. / Aytekin, Caglar; Rezaeitabar, Yousef; Dogru, Sedat; Ulusoy, Ilkay.

julkaisussa: IEEE Transactions on Systems, Man, and Cybernetics: Systems, Vuosikerta 45, Nro 7, 01.07.2015, s. 1101-1107.

Tutkimustuotos > > vertaisarvioitu

A time-optimal bounded velocity path-following controller for generic Wheeled Mobile Robots. / Oftadeh, Reza;

Ghabcheloo, Reza; Mattila, Jouni.

2015 IEEE International Conference on Robotics and Automation (ICRA), 26-30 May 2015, Seattle, WA. Institute of

Electrical and Electronics Engineers IEEE, 2015. s. 676-683.

Tutkimustuotos > > vertaisarvioitu

Electroplated nickel microspring and low-friction precision linear slider : A novel micro-force sensing tool. / Saketi, Pooya;

Wangyang, Peihua; Li, Haihua; Wang, Qingkang; Kallio, Pasi.

2015 IEEE International Conference on Robotics and Automation (ICRA), 26-30 May 2015, Seattle, WA . 2015. s. 2679-2684.

Tutkimustuotos > > vertaisarvioitu

Novel pairwise coupled kinematic solution for algebraic angular acceleration estimation of serial link manipulators. /

Vihonen, Juho; Honkakorpi, Janne; Mattila, Jouni; Visa, Ari.

2015 IEEE International Conference on Robotics and Automation (ICRA). Institute of Electrical and Electronics Engineers IEEE, 2015. s. 809-814.

Tutkimustuotos > > vertaisarvioitu

Optimal sensing via multi-armed bandit relaxations in mixed observability domains. / Lauri, Mikko; Ritala, Risto.
2015 IEEE International Conference on Robotics and Automation (ICRA), 26-30 May 2015, Seattle, WA. Vuosikerta
2015-June 2015. s. 4807-4812.

[Tutkimustuotos](#) >> [vertaisarvioitu](#)

An example of scenario-based evaluation of military capability areas An impact assessment of alternative systems on operations. / Suojanen, Marko; Kuikka, Vesa; Nikkarila, Juha Pekka; Nurmi, Jari.

9th Annual IEEE International Systems Conference, SysCon 2015 - Proceedings. The Institute of Electrical and Electronics Engineers, Inc., 2015. s. 601-607.

[Tutkimustuotos](#) >> [vertaisarvioitu](#)

Role and nature of systemic innovations in construction and real estate sector. / Kähkönen, Kalle.

julkaisussa: Construction Innovation: Information, Process, Management, Vuosikerta 15, Nro 2, 07.04.2015, s. 130-133.

[Tutkimustuotos](#) >> [vertaisarvioitu](#)

Fast neural predictive control algorithm. / Vasilache, Adriana; Dahhou, Boutaib; Roux, Gilles.

European Control Conference, ECC 1999 - Conference Proceedings. The Institute of Electrical and Electronics Engineers, Inc., 2015. s. 4269-4273 7100004.

[Tutkimustuotos](#) >> [vertaisarvioitu](#)

Designing controllers with reduced order internal models. / Paunonen, Lassi.

julkaisussa: IEEE Transactions on Automatic Control, Vuosikerta 60, Nro 3, 6826480, 01.03.2015, s. 775-780.

[Tutkimustuotos](#) >> [vertaisarvioitu](#)

Modeling and Experimental Characterization of Pressure Drop in Gravity-Driven Microfluidic Systems. / Mäki, Antti-

Juhana; Hemmilä, Samu; Hirvonen, Juha; Narra Girish, Nathaniel; Kreutzer, Joose; Hyttinen, Jari; Kallio, Pasi.

julkaisussa: Journal of Fluids Engineering: Transactions of the ASME, Vuosikerta 137, Nro 2, 021105, 01.02.2015, s. 1-8.

[Tutkimustuotos](#) >> [vertaisarvioitu](#)

PVDF Microforce Sensor for the Measurement of Z-directional Strength in Paper Fiber Bonds. / Saketi, Pooya; Latifi, Seyed Kourosh; Hirvonen, Juha; Rajala, Satu; Vehkaoja, Antti; Salpavaara, Timo; Lekkala, Jukka; Kallio, Pasi.

julkaisussa: Sensors and Actuators A: Physical, Vuosikerta 222, Nro 1, 01.02.2015, s. 194-203.

[Tutkimustuotos](#) >> [vertaisarvioitu](#)

Video characterization based on activity clustering. / Kourous, Nikolaos; Iosifidis, Alexandros; Tefas, Anastasios; Nikolaidis, Nikos; Pitas, Ioannis.

8th International Conference on Electrical and Computer Engineering: Advancing Technology for a Better Tomorrow, ICECE 2014. The Institute of Electrical and Electronics Engineers, Inc., 2015. s. 266-269.

[Tutkimustuotos](#) >> [vertaisarvioitu](#)

Coarse-grained model of protein interaction for bio-inspired nano-communication. / Knyazev, S.; Tarakanov, S.; Kuznetsov, V.; Porozov, Yu; Koucheryav, Y.; Stepanov, E.

2014 6th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). 2015. s. 260-262.

[Tutkimustuotos](#) >> [vertaisarvioitu](#)

Understanding fundamental and practical ingredients of construction project data management. / Kähkönen, Kalle; Rannisto, Jukka.

julkaisussa: Construction Innovation: Information, Process, Management, Vuosikerta 15, Nro 1, 05.01.2015, s. 7-23.

[Tutkimustuotos](#) >> [vertaisarvioitu](#)

Towards a concept for realizing sustainability in the manufacturing industry. / Koho, Mikko; Tapaninaho, Mikko; Heilala, Juhani; Torvinen, Seppo.

julkaisussa: Journal of Industrial and Production Engineering, Vuosikerta 32, Nro 1, 02.01.2015, s. 12-22.

[Tutkimustuotos](#) >> [vertaisarvioitu](#)

Analytical model in discrete time for cross-layer video communication over LTE. / Efimushkina, T.; Gabbouj, M.; Samuylov, K.

julkaisussa: Automatic Control and Computer Sciences, Vuosikerta 48, Nro 6, 2015, s. 345-357.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Community driven artificial intelligence development for robotics. / Kertész, Csaba; Turunen, Markku.

Doctoral Consortium on Informatics in Control, Automation and Robotics, DCINCO 2015; in conjunction with the 12th International Conference on Informatics in Control, Automation and Robotics, ICINCO. SCITEPRESS, 2015. s. 3-10.

[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](#)

Low-cost flexible all-inkjet-printed microfluidic sensor. / Su, W.; Cook, B. S.; Cooper, J. R.; Tentzeris, M. M.

MicroTAS 2015 - 19th International Conference on Miniaturized Systems for Chemistry and Life Sciences. Chemical and Biological Microsystems Society, 2015. s. 1448-1450.

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Majorization-minimization for manifold embedding. / Yang, Zhirong; Peltonen, Jaakko; Kaski, Samuel.

julkaisussa: Journal of Machine Learning Research, Vuosikerta 38, 2015, s. 1088-1097.

[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](#)

Pseudo-Random Sequences in DQ-Domain Analysis of Feedforward Control in Grid-Connected Inverters. / Roinila, Tomi; Messo, Tuomas; Suntio, Teuvo; Vilkkö, Matti.

17th IFAC Symposium on System Identification SYSID 2015 – Beijing, China, 19–21 October 2015. 2015. s. 1301-1306 (IFAC-PapersOnLine; Vuosikerta 48, Nro 28).

[Tutkimustuotos](#) > > [vertaisarvioitu](#)

Security Analysis of Various Industrial Devices. / Seppälä, Jari; Takanen, Ari; Korju, Juha; Häyrynen, Antti.

International Conference on Computer Security in a Nuclear World: Expert Discussion and Exchange, 1-5 June, 2015, Vienna, Austria . INTERNATIONAL ATOMIC ENERGY AGENCY, 2015. 132.

[Tutkimustuotos](#) >

Towards dependable automation. / Seppälä, Jari; Salmenperä, Mikko.

Cyber Security: Analytics, Technology and Automation: Part IV. Springer International Publishing, 2015. s. 229-249 (Intelligent Systems, Control and Automation: Science and Engineering; Vuosikerta 78).

[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

Class-Specific Reference Discriminant Analysis With Application in Human Behavior Analysis. / Iosifidis, Alexandros; Tefas, Anastasios; Pitas, Ioannis.

julkaisussa: IEEE Transactions on Human-Machine Systems, Vuosikerta 45, Nro 3, 25.12.2014, s. 315-326.

Tutkimustuotos >> vertaisarvioitu

Technical debt and the effect of agile software development practices on it - An industry practitioner survey. / Holvitie, Johannes; Leppänen, Ville; Hyrynsalmi, Sami.

Proceedings - 2014 6th IEEE International Workshop on Managing Technical Debt, MTD 2014. Institute of Electrical and Electronics Engineers Inc., 2014. s. 35-42.

Tutkimustuotos >> vertaisarvioitu

Implementation of a low-complexity low-latency arbitrary resampler on GPUs. / Kim, Scott C.; Bhattacharyya, Shuvra S.

2014 IEEE Dallas Circuits and Systems Conference: Enabling an Internet of Things - From Sensors to Servers, DCAS 2014. Institute of Electrical and Electronics Engineers Inc., 2014. 6965333.

Tutkimustuotos >> vertaisarvioitu

Commissioning for nearly zero-energy building projects. / Kantola, Mikko; Saari, Arto.

julkaisussa: Construction Innovation: Information, Process, Management, Vuosikerta 14, Nro 3, 01.07.2014, s. 370-382.

Tutkimustuotos >> vertaisarvioitu

An enumeration-based model predictive control strategy for the cascaded H-bridge multilevel rectifier. / Karamanakos, Petros; Pavlou, Konstantinos; Manias, Stefanos.

julkaisussa: IEEE Transactions on Industrial Electronics, Vuosikerta 61, Nro 7, 07.2014, s. 3480-3489.

Tutkimustuotos >> vertaisarvioitu

A computational approach to construct a multivariate complete graph invariant. / Dehmer, Matthias; Emmert-Streib, Frank; Grabner, Martin.

julkaisussa: Information Sciences, Vuosikerta 260, 01.03.2014, s. 200-208.

Tutkimustuotos >> vertaisarvioitu

Effect of rotor pole-shoe construction on losses of inverter-fed synchronous motors. / Rasilo, Paavo; Belahcen, Anouar; Arkkio, Antero.

julkaisussa: IEEE Transactions on Industry Applications, Vuosikerta 50, Nro 1, 01.2014, s. 208-217.

Tutkimustuotos >> vertaisarvioitu

Computational intelligence approaches for digital media analysis and description. / Iosifidis, Alexandros; Tefas, Anastasios; Pitas, Ioannis; pits@aiia.csd.auth.gr.

Intelligent Data analysis and its Applications, Volume II: Proceeding of the First Euro-China Conference on Intelligent Data Analysis and Applications, June 13-15, 2014, Shenzhen, China. Springer Verlag, 2014. s. 263-272 (Advances in Intelligent Systems and Computing; Vuosikerta 298).

Tutkimustuotos >> vertaisarvioitu

On the Use of LTSs to Analyze Software Product Line Products Composed of Features. / Nummenmaa, Jyrki; Nummenmaa, Timo; Zhang, Zheyang.

julkaisussa: ADVANCES IN INTELLIGENT SYSTEMS AND COMPUTING, Vuosikerta 214, 2014, s. 531-541.

Tutkimustuotos >> vertaisarvioitu

Model predictive control in power electronics: Strategies to reduce the computational complexity. / Karamanakos, Petros; Geyer, Tobias; Oikonomou, Nikolaos; Kieferndorf, Frederick; Manias, Stefanos.
Proceedings, IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society. 2013. s. 5818-5823.
Tutkimustuotos > > vertaisarvioitu

Model predictive pulse pattern control for the five-level active neutral-point-clamped inverter. / Oikonomou, Nikolaos; Gutscher, Christof; Karamanakos, Petros; Kieferndorf, Frederick D.; Geyer, Tobias.
julkaisussa: IEEE Transactions on Industry Applications, Vuosikerta 49, Nro 6, 11.2013, s. 2583-2592.
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

Multi-view action recognition based on action volumes, fuzzy distances and cluster discriminant analysis. / Iosifidis, Alexandros; Tefas, Anastasios; Pitas, Ioannis.
julkaisussa: Signal Processing, Vuosikerta 93, Nro 6, 06.2013, s. 1445-1457.
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

Information retrieval perspective to meta-visualization. / Peltonen, Jaakko; Lin, Ziyuan.
julkaisussa: Journal of Machine Learning Research, Vuosikerta 29, 2013, s. 165-180.
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

A model predictive control strategy for the cascaded H-bridge multilevel rectifier based on enumeration. / Karamanakos, Petros; Pavlou, Konstantinos; Manias, Stefanos.
Proceedings, IECON 2012 - 38th Annual Conference on IEEE Industrial Electronics Society. 2012. s. 5024-5029.
Tutkimustuotos > > vertaisarvioitu

Direct model predictive current control of dc-dc boost converters. / Karamanakos, Petros; Geyer, Tobias; Manias, Stefanos.
15th International Power Electronics and Motion Control Conference and Exposition, EPE-PEMC 2012 ECCE Europe. 2012. 6397294.
Tutkimustuotos > > vertaisarvioitu

Direct voltage control of dc-dc boost converters using model predictive control based on enumeration. / Karamanakos, Petros; Geyer, Tobias; Manias, Stefanos.
15th International Power Electronics and Motion Control Conference and Exposition, EPE-PEMC 2012 ECCE Europe. 2012.
Tutkimustuotos > > vertaisarvioitu

A detailed chemical mechanism to predict NO Cycle-to-cycle Variation in homogeneous engine combustion. / Karvountzis-Kontakiotis, Apostolis T.; Ntziachristos, Leonidas.
2012 IFAC Workshop on Engine and Powertrain Control, Simulation and Modeling, E-COSM 2012. 2012. s. 408-415.
Tutkimustuotos > > vertaisarvioitu

Analysis of second UE DRX cycle for enhanced CELL FACH 3GPP UTRAN. / Andreev, Sergey; Pustovalov, Eugeny; Sayenko, Alexander; Turlikov, Andrey.
4th International Congress on Ultra Modern Telecommunications and Control Systems 2012, ICUMT 2012. 2012. s. 7-11 6459772.
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

Demonstration of hybrid prototype sealant for encapsulating organic photovoltaics. / Kim, Minjae; Clingerman, Michael C.; Kawczak, Alex W.; Berger, Paul R.
2012 IEEE 38th Photovoltaic Specialists Conference, PVSC 2012. PART 2. toim. 2012.
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

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

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

Interaction strategies for an affective conversational agent. / Smith, Cameron; Crook, Nigel; Dobnik, Simon; Charlton, Daniel; Boye, Johan; Pulman, Stephen; Santos de la Camara, Raul; Turunen, Markku; Benyon, David; Bradley, Jay; Gambäck, Björn; Hansen, Preben; Mival, Oli; Webb, Nick; Cavazza, Marc.
julkaisussa: Presence: Teleoperators and Virtual Environments, Vuosikerta 20, Nro 5, 10.2011, s. 395-411.
Tutkimustuotos > > vertaisarvioitu

Model predictive control of the interleaved dc-dc boost converter. / Karamanakos, Petros; Papafotiou, Georgios; Manias, Stefanos N.
15th International Conference on System Theory, Control and Computing, ICSTCC 2011. 2011.
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

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

Power flow initialisation of dynamic studies with induction motor loads. / Aree, P.; Acha, E.

julkaisussa: IET Generation Transmission and Distribution, Vuosikerta 5, Nro 4, 04.2011, s. 417-424.

Tutkimustuotos >> vertaisarvioitu

Generative modeling for maximizing precision and recall in information visualization. / Peltonen, Jaakko; Kaski, Samuel.

julkaisussa: Journal of Machine Learning Research, Vuosikerta 15, 2011, s. 579-587.

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

Silicon capillary gripper with self-alignment capability. / Sariola, Veikko; Liimatainen, Ville; Tolonen, Tatu; Udd, Reidar; Zhou, Quan.

2011 IEEE International Conference on Robotics and Automation, ICRA 2011. 2011. s. 4098-4103 5979980.

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

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

Contribution of Maxwell stress in air on the deformations of induction machines. / Fonteyn, Katarzyna A.; Belahcen, Anouar; Rasilo, Paavo; Kouhia, Reijo; Arkkio, Antero.

2010 International Conference on Electrical Machines and Systems, ICEMS2010. 2010. s. 1749-1753.

Tutkimustuotos >

Explicit dynamics formulation of Stewart-Gough platform : A Newton-Euler approach. / Oftadeh, Reza; Aref, Mohammad M.; Taghirad, Hamid D.

IEEE/RSJ 2010 International Conference on Intelligent Robots and Systems, IROS 2010 - Conference Proceedings. 2010. s. 2772-2777 5653157.

Tutkimustuotos >> vertaisarvioitu

Forward kinematic analysis of a planar cable driven redundant parallel manipulator using force sensors. / Oftadeh, Reza; Aref, Mohammad M.; Taghirad, Hamid D.
IEEE/RSJ 2010 International Conference on Intelligent Robots and Systems, IROS 2010 - Conference Proceedings. 2010. s. 2295-2300 5649471.
[Tutkimustuotos > > vertaisarvioitu](#)

Integrated controller for an over-constrained cable driven parallel manipulator : KNTU CDRPM. / Vafaei, Alaleh; Aref, Mohammad M.; Taghirad, Hamid D.
Proceedings - IEEE International Conference on Robotics and Automation. 2010. s. 650-655 5509991.
[Tutkimustuotos > > vertaisarvioitu](#)

Simulated results and experimental verification of a novel magneto-mechanical coupled method. / Fonteyn, Katarzyna A.; Belahcen, Anouar; Rasilo, Paavo; Kouhia, Reijo; Arkkio, Antero.
2010 International Conference on Electrical Machines and Systems, ICEMS2010. 2010. s. 1743-1748.
[Tutkimustuotos >](#)

Wrench feasible workspace analysis of cable-driven parallel manipulators using LMI approach. / Loloei, Azadeh Zarif; Mohammadi Aref, Mohammad; Taghirad, Hamid D.
IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM. 2009. s. 1034-1039 5229723.
[Tutkimustuotos > > vertaisarvioitu](#)

Influences of digital band-pass filtering on the BCG waveform. / Koivuluoma, Mikko; Barna, Laurentiu; Koivistoinen, Teemu; Kööbi, Tiit; Värrä, Alpo.
BIOSIGNALS 2008 - Proceedings of the 1st International Conference on Bio-inspired Systems and Signal Processing. 2008. s. 84-89.
[Tutkimustuotos > > vertaisarvioitu](#)

Applied Artificial Intelligence : Preface. / Emmert-Streib, Frank; Arabnia, Hamid R.; Yang, Mary Q.
julkaisussa: Applied Artificial Intelligence, Vuosikerta 22, Nro 7-8, 08.2008, s. 617-618.
[Tutkimustuotos > > vertaisarvioitu](#)

Dynamics analysis of a redundant parallel manipulator driven by elastic cables. / Bedoustani, Y. B.; Taghirad, H. D.; Aref, M. M.
2008 10th International Conference on Control, Automation, Robotics and Vision, ICARCV 2008. 2008. s. 536-542 4795575.
[Tutkimustuotos > > vertaisarvioitu](#)

On the control of the KNTU CDRPM : A cable driven redundant parallel manipulator. / Gholami, Pooneh; Aref, Mohammad M.; Taghirad, Hamid D.
2008 IEEE/RSJ International Conference on Intelligent Robots and Systems, IROS. 2008. s. 2404-2409 4650740.
[Tutkimustuotos > > vertaisarvioitu](#)

Nonlocal bi-color vector solitons in liquid crystals. / Alberucci, A.; Peccianti, M.; Assanto, G.; Dyadyuska, A.; Kaczmarek, M.
Conference on Lasers and Electro-Optics Europe - Technical Digest. 2007. 4386868.
[Tutkimustuotos > > vertaisarvioitu](#)

Photostable single KTiOPO4 nanocrystals for second-harmonic generation microscopy. / Le Xuan, L.; Zhou, C.; Slablab, A.; Chauvat, D.; Sandeau, N.; Brasselet, S.; Roch, J. F.; Tard, C.; Perruchas, S.; Gacoin, T.; Villeval, P.
2007 IEEE/LEOS International Conference on Optical MEMS and Nanophotonics, OMENS. 2007. s. 39-40.
[Tutkimustuotos > > vertaisarvioitu](#)

Performance enhancements for embedded software implementation of GNSS navigation algorithms. / Zemskov, Evgeny; Nurmi, Jari.
Industrial Embedded Systems - IES'2006. 2006.
[Tutkimustuotos > > vertaisarvioitu](#)

Photoluminescence and third harmonic generation in ZnPc thin films. / Wojdyła, Michał; Bała, Waclaw; Derkowska, Beata; Łukasiak, Zbigniew; Czaplicki, Robert; Sofiani, Zouhair; Dabos-Seignon, Sylvie; Sahraoui, Bouchta.
julkaisussa: Nonlinear Optics, Quantum Optics, Vuosikerta 35, Nro 1-3, 2006, s. 103-119.
Tutkimustuotos >> vertaisarvioitu

1 mJ narrow-linewidth pulsed fiber MOPA source at 1535 nm. / Codemard, C.; Farrell, C.; Philippov, V.; Dupriez, P.; Sahu, J. K.; Nilsson, J.
Conference on Lasers and Electro-Optics Europe - Technical Digest. 2005. 1568299.
Tutkimustuotos >> vertaisarvioitu

Anisotropic spatial solitons and their routing in nematic liquid crystals. / Peccianti, Marco; Alberucci, Alessandro; Conti, Claudio; Assanto, Gaetano; De Luca, Antonio; Coschignano, Gianluca; Umeton, Cesare.
Conference on Lasers and Electro-Optics Europe - Technical Digest. 2005. 1568011.
Tutkimustuotos >> vertaisarvioitu

State of the art of cw fibre lasers. / Jeong, Y.; Soh, D. B S; Codemard, C. A.; Dupriez, P.; Farrell, C.; Philippov, V.; Sahu, J. K.; Richardson, D. J.; Nilsson, J.; Payne, D. N.
Conference on Lasers and Electro-Optics Europe - Technical Digest. 2005. 1568490.
Tutkimustuotos >> vertaisarvioitu

Input filter interactions in current-mode controlled converters - A unified analysis approach. / Suntio, Teuvo; Gadoura, Idris; Zenger, Kai.
2002. 1179-1184 Julkaisun esittämisaikana: Proceedings of the 2002 28th Annual Conference of the IEEE Industrial Electronics Society, Sevilla, Espanja.
Tutkimustuotos: Konferenssiesitys, posterit tai abstraktit >

Small-signal modeling of switched-mode converters under direct-on-time control - A unified approach. / Suntio, Teuvo.
IEEE 2002 28th Annual Conference of the Industrial Electronics Society. IECON 02. IEEE, 2002. s. 479-484.
Tutkimustuotos >> vertaisarvioitu

Unified derivation and analysis of duty-ratio constraints for peak-current-mode control in continuous and discontinuous modes. / Suntio, Teuvo.
IEEE 2002 28th Annual Conference of the Industrial Electronics Society. IECON 02. IEEE, 2002. s. 1398-1403.
Tutkimustuotos >> vertaisarvioitu

Robust control design for paralleled dc/dc converters with current sharing. / Gadoura, Idris; Suntio, Teuvo; Zenger, Kai.
julkaisussa: IFAC Proceedings Volumes (IFAC-PapersOnline), Vuosikerta 15, Nro 1, 01.01.2002, s. 323-328.
Tutkimustuotos >> vertaisarvioitu

Dynamic effects of inductor current ripple in peak-current and average-current mode control. / Suntio, Teuvo; Rahkala, Matti; Gadoura, Idris; Zenger, Kai.
2001. 1072-1077 Julkaisun esittämisaikana: 27th Annual Conference of the IEEE Industrial Electronics Society IECON'2001, Denver, CO, Yhdysvallat.
Tutkimustuotos: Konferenssiesitys, posterit tai abstraktit >

Modeling and analysis of a self-oscillating peak-current controlled flyback converter. / Lempinen, Juha; Suntio, Teuvo.
2001. 960-965 Julkaisun esittämisaikana: 27th Annual Conference of the IEEE Industrial Electronics Society IECON'2001, Denver, CO, Yhdysvallat.
Tutkimustuotos: Konferenssiesitys, posterit tai abstraktit >

Fluid Transmission Line Modeling Using a Variational Method. / Mäkinen, Jari; Piché, Robert; Ellman, Asko.
julkaisussa: Journal of Dynamic Systems, Measurement and Control: Transactions of the ASME, Vuosikerta 122, Nro 1, 03.2000, s. 153-162.
Tutkimustuotos >> vertaisarvioitu

Digital control of power supplies - opportunities and constraints. / Vallittu, Petri; Suntio, Teuvo; Ovaska, Seppo J.
1998. 562-567 Julkaisun esittämispaikka: Proceedings of the 1998 24th Annual Conference of the IEEE Industrial Electronics Society, IECON. Part 4 (of 4), Aachen, Ger, .
Tutkimustuotos: Konferenssiesitys, posterit tai abstraktit >

Optimal observer trajectories for passive target localization using bearing-only measurements. / Oshman, Yaakov; Davidson, Pavel.
Guidance, Navigation, and Control Conference and Exhibit. American Institute of Aeronautics and Astronautics Inc. (AIAA), 1996. s. 1-11.
Tutkimustuotos > > vertaisarvioitu