Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Chapter

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article

Research output: Scientific › Paper, poster or abstract

Research output: Scientific - peer-review › Article

Koivisto, Mike; Nurminen, Henri; Ali-Löytty, Simo; Piche, Robert / Graph-Based Map Matching for Indoor Positioning. 10th International Conference on Information, Communications and Signal Processing (ICICS). IEEE, 2015.
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article

Hackenberg, Jan; Spiecker, Heinrich; Calders, Kim; Disney, Mathias; Raumonen, Pasi / SimpleTree : An Efficient Open Source Tool to Build Tree Models from TLS Clouds. In: Forests: Open Access Journal, Vol. 6, No. 11, 23.11.2015, p. 4245-4294.
Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Article
Potapov, Ilya; Zhurov, Boris; Volkov, Evgeny / Multi-stable dynamics of the non-adiabatic repressilator.
In: Journal of the Royal Society. Interface, Vol. 12, No. 104, 20141315, 06.03.2015.
Research output: Scientific - peer-review › Article

Paunonen, Lassi / Designing controllers with reduced order internal models.
In: IEEE Transactions on Automatic Control, Vol. 60, No. 3, 6826480, 01.03.2015, p. 775-780.
Research output: Scientific - peer-review › Article

Rivero Rodríguez, Alejandro; Leppäkoski, Helena; Piché, Robert / Semantic Labeling of Places based on Phone Usage Features using Supervised Learning.
Research output: Scientific - peer-review › Conference contribution

Salpavaara, Timo; Lekkala, Jukka / A model based analysis of the measurement errors in inductively coupled passive resonance sensors.
IMEKO XXI World Congress, Proceedings, August 30 - September 4, 2015, Prague, Czech Republic. ed. / Jan Holub. 2015.
Research output: Scientific - peer-review › Conference contribution

Ákerblom, Markku; Raumonen, Pasi; Kaasalainen, Mikko; Casella, Eric / Analysis of geometric primitives in quantitative structure models of tree stems.
Research output: Scientific - peer-review › Article

Rivero-Rodriguez, Alejandro; Pileggi, Paolo; Nykänen, Ossi / An Initial Homophily Indicator to Reinforce Context-Aware Semantic Computing.
7th International Conference on Computational Intelligence, Communication Systems and Networks (CICSyN). Riga : IEEE, 2015. p. 89-93 (International Conference on Computational Intelligence, Communications and Networks).
Research output: Scientific - peer-review › Conference contribution

Devillers, Raymond (Editor); Valmari, Antti (Editor) / Application and Theory of Petri Nets and Concurrency : 36th International Conference, PETRI NETS 2015 Brussels, Belgium, June 21-26, 2015 Proceedings.
Springer Verlag, 2015. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 9115).
Research output: Scientific - peer-review › Anthology

Lau Sarmiento, Alvaro; Bartholomeus, Harm; Herold, Martin; Martius, Christopher; Malhi, Yadvinder; Patrick Bentley, Lisa; Shenkin, Alexander; Raumonen, Pasi / Application of terrestrial LIDAR and modelling of tree branching structure for plant-scaling models in tropical forest trees.
Research output: Professional › Conference contribution

Gómez-Herrero, Germán; Wu, Wei; Rutanen, Kalle; Soriano, Miguel C.; Pipa, Gordon; Vicente, Raul / Assessing coupling dynamics from an ensemble of time series.
Research output: Scientific - peer-review › Article

Ďurech, J.; Carry, Benoit; Delbo, Marco; Kaasalainen, Mikko; Viikinkoski, Matti / Asteroid Models from Multiple Data Sources.
Research output: Scientific - peer-review › Chapter
Björklund, Andreas; Kaski, Petteri; Kowalik, Łukasz; Lauri, Juho / Engineering motif search for large graphs.  
(Workshop on Algorithm Engineering and Experiments).  
Research output: Scientific - peer-review › Conference contribution

Laakkonen, Petteri; Pohjolainen, Seppo / Frequency domain robust regulation of signals generated by an infinite-dimensional exosystem.  
Research output: Scientific - peer-review › Article

Pukkila, Andrei; Aila-Luhtala, Juha; Piche, Robert; Ali-Löytty, Simo / GNSS orbit prediction with enhanced force model.  
Research output: Scientific - peer-review › Conference contribution

Raumonen, P.; Casella, E.; Caldera, K.; Murphy, S.; Åkerblom, M.; Kaasalainen, M. / Massive-Scale Tree Modelling from TLS Data.  
Research output: Scientific - peer-review › Conference contribution

Nurminen, Henri; Koivisto, Mike; Ali-Löytty, Simo; Piche, Robert / Motion Model for Positioning with Graph-Based Indoor Map.  
Research output: Scientific - peer-review › Conference contribution

Still, Kaisa; Huhtamäki, Jukka; Russell, Martha G. / New Insights for Relational Capital.  
Research output: Scientific - peer-review › Article

Calders, Kim; Newnhamn, Glenn; Burt, Andrew; Murphy, Simon; Raumonen, Pasi; Herold, Martin; Culvenor, Darius; Avitable, Valerio; Disney, Mathias; Armstrong, John; Kaasalainen, Mikko / Nondestructive estimates of above-ground biomass using terrestrial laser scanning.  
Research output: Scientific - peer-review › Article

Melin, Joonas; Ritala, Risto / Novel Method For Online Stereo Self-Calibration.  
XXI IMEKO World Congress "Measurements In Research and Industry". 2015.  
Research output: Scientific - peer-review › Conference contribution

Paunonen, Lassi / On Robustness of Strongly Stable Semigroups with Spectrum on IR.  
Research output: Scientific - peer-review › Chapter

Research output: Scientific - peer-review › Chapter

Turunen, Esko; Navara, Mirko / Perfect Pavelka Logic.  
Research output: Scientific - peer-review › Article
Raumonen, Pasi Antero / Quantitative structure tree models from terrestrial laser scanner data. 
2015. p. 32-34. 
Research output: Professional › Conference contribution

Calders, Kim; Burt, Andrew; Newnham, Glenn; Disney, Mathias; Murphy, Simon; Raumonen, Pasi; Herold, Martin; 
Culvenor, Darius; Armstrong, John; Avitabile, Valerio; Kaasalainen, Mikko / Reducing uncertainties in above-ground biomass estimates using terrestrial laser scanning. 
Research output: Professional › Conference contribution

Paunonen, Lassi / Robustness of strong stability of discrete semigroups. 
Research output: Scientific - peer-review › Article

Laakkonen, Petteri; Quadrat, Alban / Robust Regulation of SISO Systems: The Fractional Ideal Approach. 
Research output: Scientific - peer-review › Conference contribution

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

Ojala, Petteri; Saarenrinne, Pentti; Miettinen, Juha; Multanen, Petteri; Kiilunen, Janne; Hietala, Jukka-Pekka; Kolu, Antti; 
Pippola, Juha; Mostofizadeh, Milad; Ylönen, Markku / Simulointia nopeuttaa käyttöiän määritystä. 
Research output: Professional › Article

Gonzalez de Tanago, Jose; Bartholomeus, Harm; Joseph, Shijo; Herold, Martin; Avitabile, Valerio; Goodman, Rosa; 
Raumonen, Pasi; Burt, Andrew / Terrestrial LIDAR and 3D tree Quantitative Structure Model for quantification of aboveground biomass loss from selective logging in a tropical rainforest of Peru. 
2015. p. 119-121. 
Research output: Professional › Conference contribution

Calders, Kim; Disney, Mathias; Nightingale, Joanne; Origo, Niall; Barker, Alexandra; Raumonen, Pasi Antero; Lewis, Philip; Burt, Andrew; Brennan, James; Fox, Nigel / Traceability of essential climate variables through forest stand reconstruction with terrestrial laser scanning. 
Research output: Professional › Conference contribution

Pileggi, Paolo; Rivero Rodriguez, Alejandro; Nykänen, Ossi / Using context overlays to analyse the role of a priori information with Process Mining. 
Research output: Scientific - peer-review › Conference contribution

Muller, Philipp; Wymeersch, Henk; Piche, Robert / UWB Positioning with Generalized Gaussian Mixture Filters. 
Research output: Scientific - peer-review › Article
Research output: Monograph › Doctoral Thesis

Maijala, Panu / A Measurement-based Statistical Model to Evaluate Uncertainty in Long-range Noise Assessments.  
Research output: Monograph › Doctoral Thesis

Åkerblom, Markku (Editor) / 20th Inverse Days 2014, Tampere 9th-11th December 2014 : Abstracts.  
Research output: Professional › Commissioned report

Research output: Scientific - peer-review › Article

Muller, Philip; Raitoharju, Matti; Piche, Robert / A field test of parametric WLAN-fingerprint-positioning methods.  
Research output: Scientific - peer-review › Conference contribution

Piche, Robert; Koivisto, Mike / A method to enforce map constraints in a particle filter's position estimate.  
Research output: Scientific - peer-review › Conference contribution

Turunen, Esko / An algebraic study of Peterson’s Intermediate Syllogisms.  
Research output: Scientific - peer-review › Article

Paunonen, Lassi; Pohjolainen, Seppo / A New Controller Structure for Robust Output Regulation.  
Research output: Scientific - peer-review › Conference contribution

Rodriguez, J. Tinguaro; Turunen, Esko; Ruan, Da; Montero, Javier / Another paraconsistent algebraic semantics for Lukasiewicz-Pavelka logic.  
Research output: Scientific - peer-review › Article

Zhang, Xiaolong; Piche, Robert / Application of Hill-Clohessy-Wiltshire Equation in GNSS Orbit Prediction.  
Research output: Scientific - peer-review › Conference contribution

Lyly, Mika; Lahtinen, Valtteri; Stenvall, Antti; Rostila, Lauri; Mikkonen, Risto / A Time-Harmonic Approach to Numerically Model Losses in the Metal Matrix in Twisted Superconductors in External Magnetic Field.  
Research output: Scientific - peer-review › Article

Nurminen, Henri / Bayesian Methods for Hybrid Indoor Positioning.  
Research output: Scientific - peer-review › Article

Krooks, Anssi; Kaasalainen, Sanna; Kankare, Ville; Joensuu, Marianna; Raumonen, Pasi; Kaasalainen, Mikko / Predicting tree structure from tree height using terrestrial laser scanning and quantitative structure models.
Research output: Scientific - peer-review › Article

Manfreda, Giulio; Ambrosio, Giorgio; Marinozzi, Vittorio; Salmi, Tiina; Sorbi, Massimo; Volpini, Giovanni / Quench Protection Study of the Nb3Sn Low-beta Quadrupole for the LHC Luminosity Upgrade.
Research output: Scientific - peer-review › Article

Laakkonen, Petteri; Pohjolainen, Seppo / Robustness of Controllers for SISO-Plants and Signals Generated by an Infinite-Dimensional Exosystem.
Research output: Scientific - peer-review › Conference contribution

Paunonen, Lassi; Pohjolainen, Seppo / The Internal Model Principle for Systems with Unbounded Control and Observation.
Research output: Scientific - peer-review › Article

Paunonen, Lassi / The Role of Exosystems in Output Regulation.
Research output: Scientific - peer-review › Article

Smith, Aaron; Astrup, Rasmus; Raumonen, Pasi; Liski, Jari; Krooks, Anssi; Kaasalainen, Sanna; Åkerblom, Markku; Kaasalainen, Mikko / Tree Root System Characterization and Volume Estimation by Terrestrial Laser Scanning and Quantitative Structure Modeling.
Research output: Scientific - peer-review › Article

Davidson, Pavel; Takala, Jarmo / Algorithm for Pedestrian Navigation Combining IMU Measurements and Gait Models.
Research output: Scientific - peer-review › Article

Raitoharju, Matti; Nurminen, Henri; Piche, Robert / A linear state model for PDR+WLAN positioning.
Research output: Scientific - peer-review › Conference contribution

Wirola, Laura; Wirola, Lauri; Piche, Robert / Bandwidth and Storage Reduction of Radio Maps for Offline WLAN Positioning.
Research output: Scientific - peer-review › Conference contribution

Kaasalainen, Mikko; Potapov, Ilya; Raumonen, Pasi; Åkerblom, Markku; Sievänen, Risto; Kaasalainen, Sanna / Bayes trees and forests: combining precise empirical and theoretical tree models.


Research output: Scientific - peer-review › Chapter

Research output: Professional › Book

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Conference contribution

Burt, A.; Disney, M.; Raumonen, P.; Armston, J.; Calders, K.; Lewis, P. / Rapid Characterisation of Forest Structure from TLS and 3D Modelling.
Still, Kaisa; Huhtamäki, Jukka; Russell, Martha G. / Relational Capital and Social Capital: One or two Fields of Research? 
Research output: Scientific - peer-review » Conference contribution

Müller, Juliane; Shoemaker, Christine; Piche, Robert / SO-I: a surrogate model algorithm for expensive nonlinear integer programming problems including global optimization applications.
Research output: Scientific - peer-review » Article

Wirola, Lauri (Inventor); Laine, Tommi (Inventor); Raitoharju, Matti (Inventor); Sirola, Niilo (Inventor) / State-machine-based operation of a coverage-model-related process.
Research output: Scientific » Patent

Nurminen, Henri; Talvitie, Jukka; Ali-Löytty, Simo; Muller, Philipp; Lohan, Elena-Simona; Piche, Robert; Renfors, Markku / Statistical Path Loss Parameter Estimation and Positioning using RSS Measurements.
Research output: Scientific - peer-review » Article

Research output: Scientific - peer-review » Article

Turunen, Esko / Tiedonlouhintaa tieliikenneonnettomuussatasta.
Research output: Scientific - peer-review » Article

Vainikka, Elisa; Noppari, Elina; Heinonen, Ari; Huhtamäki, Jukka / Twitteryhmlä ja uutispäivittelyä - tolmittajana sosiaalisessa mediasssa.
Research output: Professional » Commissioned report

Huhtamäki, Jukka; Parviainen, Olli / Verkostoanalyysi sosiaalisen median tutkimuksessa.
Research output: Scientific - peer-review » Chapter

Kaasalainen, Mikko; Durech, Josef / What's out there? Asteroid models for target selection and mission planning.
Research output: Scientific - peer-review » Chapter

Äkerblom, Markku; Raumonen, Pasi; Kaasalainen, Mikko; Kaasalainen, Sanna; Kaartinen, Harri / Comprehensive Quantitative Tree Models from TLS Data.
Research output: Scientific - peer-review » Conference contribution
Turunen, Esko / A Lukasiewicz-style Many-Valued Similarity Reasoning : Review.
Research output: Scientific - peer-review › Chapter