Hackenberg, Jan; Spiecker, Heinrich; Calders, Kim; Disney, Mathias; Raumonen, Pasi / SimpleTree : An Efficient Open Source Tool to Build Tree Models from TLS Clouds.
Research output: Scientific - peer-review › Article

Pursiainen, Sampsa; Bauer, Martin; Vorwerk, Johannes; Köstler, Harald; Wolters, Carsten H. / Comparison Study for Whitney (Raviart-Thomas) Type Source Models in Finite Element Method Based EEG Forward Modeling.
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Nurminen, Henri; Ardeshiri, Tohid; Piche, Robert; Gustafsson, Fredrik / A NLOS-robust TOA positioning filter based on a skew-t measurement noise model.
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Paunonen, Lassi; Laakkonen, Petteri / Polynomial Input-Output Stability for Linear Systems.
Research output: Scientific - peer-review › Article

Viikinkoski, M.; Kaasalainen, M.; Durech, J.; Carry, B.; Marsset, M.; Fusco, T.; Dumas, C.; Merline, W. J.; Yang, B.; Berthier, J.; Kervella, P.; Vernazza, P. / VLT/SPHERE- and ALMA-based shape reconstruction of asteroid (3) Juno.
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Iarovyi, Sergii; Martinez Lastra, Jose L.; Haber, Rodolfo; del Toro, Raul / From artificial cognitive systems and open architectures to cognitive manufacturing systems.
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Lohan, Elena-Simona; Talvitie, Jukka; Figueiredo e Silva, Pedro; Nurminen, Henri; Ali-Löytty, Simo; Piche, Robert / Received Signal Strength models for WLAN and BLE-based indoor positioning in multi-floor buildings.
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Pyrhönen, Veli-Pekka; Koivisto, Hannu / On Improvement of transient stage of composite nonlinear feedback control using arbitrary order set point filters.
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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; Ala-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.; Calder, K.; Murphy, S.; Åkerblom, M.; Kaasalainen, M. / Massive-Scale Tree Modelling from TLS Data.
Research output: Scientific - peer-review › Conference contribution

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Research output: Scientific - peer-review › Conference contribution

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Research output: Scientific - peer-review › Article

Calders, Kim; Newnham, Glenn; Burt, Andrew; Murphy, Simon; Raumonen, Pasi; Herold, Martin; Culvenor, Darius; Avitable, Valerio; Disney, Mathias; Armston, John; Kaasalainen, Mikko / Nondestructive estimates of above-ground biomass using terrestrial laser scanning.
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Paunonen, Lassi / On Robustness of Strongly Stable Semigroups with Spectrum on iR.
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Nurminen, Henri / Bayesian Methods for Hybrid Indoor Positioning.
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Kaasalainen, Sanna; Krooks, Anssi; Liski, Jari; Raumonen, Pasi; Kaartinen, Harri; Kaasalainen, Mikko; Puttonen, Eetu; Anttila, Kati; Mäkipää, Raisa / Change Detection of Tree Biomass with Terrestrial Laser Scanning and Quantitative Structure Modelling.
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Ivanov, Pavel; Ali-Löytty, Simo; Piche, Robert / Evaluating the Consistency of Estimation.
Research output: Scientific - peer-review › Conference contribution

Ala-Luhtala, Juha; Piche, Robert / Gaussian Scale Mixture Models For Robust Linear Multivariate Regression With Missing Data.
Research output: Scientific - peer-review › Article

Liski, Jari; Kaasalainen, Sanna; Raumonen, Pasi; Akujärvi, Anu; Krooks, Anssi; Repo, Anna; Kaasalainen, Mikko / Indirect Emissions of Forest Bioenergy: Detailed Modelling of Stump-Root Systems.
Research output: Scientific - peer-review › Article

Medina, Jesus; Turunen, Esko; Bartl, Eduard; Diaz-Moreno, Juan Carlos / Minimal Solutions of Fuzzy Relation Equations with General Operators on the Unit Interval.
Research output: Scientific - peer-review › Conference contribution

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Research output: Scientific - peer-review › Conference contribution

Särkkä, Simo; Piche, Robert / On Convergence and Accuracy of State-Space Approximations of Squared Exponential Covariance Functions.
Research output: Scientific - peer-review › Conference contribution

Paunonen, Lassi; Laakkonen, Petteri / On polynomial stability of linear systems.
Research output: Scientific - peer-review › Conference contribution
Wirola, Lauri (Inventor); Laine, Tommi (Inventor); Raitoharju, Matti (Inventor); Sirola, Niilo (Inventor) / Optimal storage scheme for access point coverage data.
Research output: Scientific › Patent

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.
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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.
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Research output: Scientific - peer-review › Article

Davidson, Pavel; Takala, Jarmo / Algorithm for Pedestrian Navigation Combining IMU Measurements and Gait Models.
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Raitoharju, Matti; Nurminen, Henri; Piche, Robert / A linear state model for PDR+WLAN positioning.
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Kaasalainen, Mikko; Potapov, Ilya; Raumonen, Pasi; Åkerblom, Markku; Sievänen, Risto; Kaasalainen, Sanna / Bayes trees and forests: combining precise empirical and theoretical tree models.

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Calders, Kim; Newnham, Glenn; Herold, Martin; Murphy, Simon; Culvenor, Darius; Raumonen, Pasi; Burt, Andrew; Armstrong, John; Avitabile, Valerio; Disney, Mathias / Estimating Above Ground Biomass from Terrestrial Laser Scanning in Australian Eucalypt Open Forest.

Ala-Luhtala, Juha; Seppänen, Mari; Ali-Löytty, Simo; Piche, Robert; Nurminen, Henri / Estimation of initial state and model parameters for autonomous GNSS orbit prediction.

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Huhtamäki, Jukka; Luotonen, Ville; Kairamo, Ville; Still, Kaisa; Russell, Martha G. / Process for Measuring and Visualizing an Open Innovation Platform: Case Demola.
Research output: Scientific - peer-review › Conference contribution

Burt, A.; Disney, M.; Raumonen, P.; Armstrong, J.; Calders, K.; Lewis, P. / Rapid Characterisation of Forest Structure from TLS and 3D Modelling.
Research output: Scientific - peer-review › Conference contribution

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.
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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

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Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Article

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

Vainikka, Eliisa; Noppari, Elina; Heinonen, Ari; Huhtamäki, Jukka / Twiiteryhmiä ja uutispäivittelyä - toimittajana sosiaalisessa mediassa.
Research output: Professional › Commissioned report

Kaasalainen, Mikko; Durech, Josef / What's out there? Asteroid models for target selection and mission planning.

Research output: Scientific - peer-review › Conference contribution


Research output: Scientific - peer-review › Conference contribution