

Wan, P, Tu, J, Dehmer, M, Zhang, S & Emmert-Streib, F 2019, 'Graph entropy based on the number of spanning forests of c-cyclic graphs', *Applied Mathematics and Computation*, vol. 363, 124616. <https://doi.org/10.1016/j.amc.2019.124616>

Eriksson, S-L & Orelma, H 2019, 'Hyperbolic Function Theory in the Skew-Field of Quaternions', *Advances in Applied Clifford Algebras*, vol. 29, no. 5, 97. <https://doi.org/10.1007/s00006-019-1017-5>

Brede, B, Calders, K, Lau, A, Raunonen, P, Bartholomeus, HM, Herold, M & Kooistra, L 2019, 'Non-destructive tree volume estimation through quantitative structure modelling: Comparing UAV laser scanning with terrestrial LIDAR', *Remote Sensing of Environment*, vol. 233, 111355. <https://doi.org/10.1016/j.rse.2019.111355>

Qian, Y, Chen, K & Yu, H 2019, Fast fourier color constancy and grayness index for ISPA illumination estimation challenge. in S Loncaric, R Bregovic, M Carli & M Subasic (eds), *ISPA 2019 - 11th International Symposium on Image and Signal Processing and Analysis*. International Symposium on Image and Signal Processing and Analysis, ISPA, vol. 2019-September, IEEE, pp. 352-354, International Symposium on Image and Signal Processing and Analysis, Dubrovnik, Croatia, 23/09/19. <https://doi.org/10.1109/ISPA.2019.8868451>

Haukkanen, P, Mattila, M & Mäntysalo, J 2020, 'Studying the inertias of LCM matrices and revisiting the Bourque-Ligh conjecture', *Journal of Combinatorial Theory. Series A*, vol. 171, 105161. <https://doi.org/10.1016/j.jcta.2019.105161>

Raitoharju, M & Piche, R 2019, 'On Computational Complexity Reduction Methods for Kalman Filter Extensions', *IEEE Aerospace and Electronic Systems Magazine*, vol. 34, no. 10, pp. 2-19. <https://doi.org/10.1109/MAES.2019.2927898>

Loulou, AE, Yli-Kaakinen, J, Levanen, T, Lehtinen, V, Schaich, F, Wild, T, Renfors, M & Valkama, M 2019, 'Multiplierless filtered-OFDM transmitter for narrow-band IoT devices', *IEEE Internet of Things Journal*. <https://doi.org/10.1109/JIOT.2019.2945186>

Cushing, D, Kangaslampi, R, Lipiäinen, V, Liu, S & Stagg, GW 2019, 'The Graph Curvature Calculator and the curvatures of cubic graphs', *Experimental Mathematics*. <https://doi.org/10.1080/10586458.2019.1660740>

Sorsa, L-I, Takala, M, Bambach, P, Deller, J, Vilenius, E, Agarwal, J, Carroll, KA, Karatekin, Ö & Pursiainen, S 2020, 'Tomographic inversion of gravity gradient field for a synthetic Itokawa model', *Icarus*, vol. 336, 113425. <https://doi.org/10.1016/j.icarus.2019.113425>

Adán, AG, Orelma, H & Sommen, F 2019, 'Hypermonogenic Plane Wave Solutions of the Dirac Equation in Superspace', *Advances in Applied Clifford Algebras*, vol. 29, no. 4, 71. <https://doi.org/10.1007/s00006-019-0981-0>

Karhu, K, Hiltavuori, E, Järvenpää, M, Arppe, L, Christensen, BT, Fritze, H, Kulmala, L, Oinonen, M, Pitkänen, JM, Vanhala, P, Heinonsalo, J & Liski, J 2019, 'Similar temperature sensitivity of soil mineral-associated organic carbon regardless of age', *Soil Biology and Biochemistry*, vol. 136, 107527. <https://doi.org/10.1016/j.soilbio.2019.107527>

Cilden-Guler, D, Raitoharju, M, Piche, R & Hajiyev, C 2019, 'Nanosatellite attitude estimation using Kalman-type filters with non-Gaussian noise', *Aerospace Science and Technology*, vol. 92, pp. 66-76. <https://doi.org/10.1016/j.ast.2019.05.055>

Kauhanen, J & Orelma, H 2019, 'On the Structure of Octonion Regular Functions', *Advances in Applied Clifford Algebras*, vol. 29, no. 4, 77. <https://doi.org/10.1007/s00006-019-0983-y>

Vilander, M & Lück, M 2019, 'On the Succinctness of Atoms of Dependency', *Logical Methods in Computer Science*, vol. 15, no. 3, pp. 17:1-17:28.

Paunonen, L & Phan, D 2019, 'Reduced Order Controller Design for Robust Output Regulation', *IEEE Transactions on Automatic Control*. <https://doi.org/10.1109/TAC.2019.2930185>

Ghorbani, M, Dehmer, M, Rajabi-Parsa, M, Emmert-Streib, F & Mowshowitz, A 2019, 'Hosoya entropy of fullerene graphs', *Applied Mathematics and Computation*, vol. 352, pp. 88-98. <https://doi.org/10.1016/j.amc.2019.01.024>

Phan, D & Rodrigues, SS 2019, 'Approximate Controllability for Navier–Stokes Equations in 3D Rectangles Under Lions Boundary Conditions', *Journal of Dynamical and Control Systems*, vol. 25, no. 3, pp. 351-376. <https://doi.org/10.1007/s10883-018-9412-0>

Jackson, T, Shenkin, A, Moore, J, Bunce, A, van Emmerik, T, Kane, B, Burcham, D, James, K, Selker, J, Calders, K, Origo, N, Disney, M, Burt, A, Wilkes, P, Raunonen, P, Gonzalez de Tanago Menaca, J, Lau, A, Herold, M, Goodman, RC, Fourcaud, T & Malhi, Y 2019, 'An architectural understanding of natural sway frequencies in trees', *Journal of the Royal Society. Interface*, vol. 16, no. 155. <https://doi.org/10.1098/rsif.2019.0116>

Huhtala, K & Paunonen, L 2019, Robust output regulation of counter-flow heat exchangers. in *3rd IFAC Workshop on Control of Systems Governed by Partial Differential Equations, CPDE 2019*. IFAC-PapersOnLine, vol. 52, IFAC, pp. 201-206, IFAC Workshop on Control of Systems Governed by Partial Differential Equations, Oaxaca, Mexico, 20/05/19. <https://doi.org/10.1016/j.ifacol.2019.08.036>

Humaloja, J-P & Paunonen, L 2019, The internal model principle for boundary control systems with polynomially bounded exogenous signals. in *3rd IFAC Workshop on Control of Systems Governed by Partial Differential Equations, CPDE 2019*. IFAC-PapersOnLine, vol. 52, IFAC, pp. 156-161, IFAC Workshop on Control of Systems Governed by Partial Differential Equations, Oaxaca, Mexico, 20/05/19. <https://doi.org/10.1016/j.ifacol.2019.08.028>

Lau, A, Calders, K, Bartholomeus, H, Martius, C, Raunonen, P, Herold, M, Vicari, M, Sukhdeo, H, Singh, J & Goodman, RC 2019, 'Tree biomass equations from terrestrial LiDAR: A case study in Guyana', *Forests*, vol. 10, no. 6, 527. <https://doi.org/10.3390/f10060527>

Niemelä, P, Valmari, A & Ali-Löytty, S 2019, Algorithms and Logic as Programming Primers. in *Computer Supported Education: 10th International Conference, CSEDU 2018, Revised Selected Papers*. Communications in Computer and Information Science, vol. 1022, Springer Nature, pp. 357-383, International Conference on Computer Supported Education, Funchal, Portugal, 15/03/18. https://doi.org/10.1007/978-3-030-21151-6_18

Varvia, P, Lähivaara, T, Maltamo, M, Packalen, P & Seppänen, A 2019, 'Gaussian Process Regression for Forest Attribute Estimation From Airborne Laser Scanning Data', *IEEE Transactions on Geoscience and Remote Sensing*, vol. 57, no. 6, pp. 3361-3369. <https://doi.org/10.1109/TGRS.2018.2883495>

Stankovic, RS, Stankovic, M, Astola, JT & Moraga, C 2019, Remarks on Similarities among Ternary Bent Functions. in *2019 IEEE 49th International Symposium on Multiple-Valued Logic, ISMVL 2019*. IEEE, pp. 79-84, IEEE International Symposium on Multiple-Valued Logic, Fredericton, Canada, 21/05/19. <https://doi.org/10.1109/ISMVL.2019.00022>

Paunonen, L & Seifert, D 2019, 'Asymptotics for periodic systems', *Journal of Differential Equations*, vol. 266, no. 11, pp. 7152-7172. <https://doi.org/10.1016/j.jde.2018.11.028>

De Biasi, M & Lauri, J 2019, 'On the complexity of restoring corrupted colorings', *Journal of Combinatorial Optimization*, vol. 37, no. 4, pp. 1150-1169. <https://doi.org/10.1007/s10878-018-0342-2>

Hanuš, J, Marsset, M, Vernazza, P, Viikinkoski, M, Drouard, A, Broa, M, Carry, B, Fetick, R, Marchis, F, Jorda, L, Fusco, T, Birlan, M, Santana-Ros, T, Podlowska-Gaca, E, Jehin, E, Ferrais, M, Grice, J, Bartczak, P, Berthier, J, Castillo-Rogez, J, Cipriani, F, Colas, F, Dudziński, G, Dumas, C, Āž Urech, J, Kaasalainen, M, Kryszczyńska, A, Lamy, P, Le Coroller, H, Marciniak, A, Michalowski, T, Michel, P, Pajuelo, M, Tanga, P, Vachier, F, Vigan, A, Witasse, O & Yang, B 2019, 'The shape of (7) Iris as evidence of an ancient large impact?', *Astronomy and Astrophysics*, vol. 624, A121. <https://doi.org/10.1051/0004-6361/201834541>

Humaloja, J-P 2019, *Robust and Model Predictive Control for Boundary Control Systems*. Tampere University Dissertations, vol. 32, Tampere University.

Fétick, R.J.L, Jorda, L, Vernazza, P, Marsset, M, Drouard, A, Fusco, T, Carry, B, Marchis, F, Hanuš, J, Viikinkoski, M, Birlan, M, Bartczak, P, Berthier, J, Castillo-Rogez, J, Cipriani, F, Colas, F, Dudziński, G, Dumas, C, Ferrais, M, Jehin, E, Kaasalainen, M, Kryszczyńska, A, Lamy, P, Le Coroller, H, Marciniak, A, Michalowski, T, Michel, P, Mugnier, LM, Neichel, B, Pajuelo, M, Podlewska-Gaca, E, Santana-Ros, T, Tanga, P, Vachier, F, Vigan, A, Witasse, O & Yang, B 2019, 'Closing the gap between Earth-based and interplanetary mission observations: Vesta seen by VLT/SPHERE', *Astronomy and Astrophysics*, vol. 623, A6. <https://doi.org/10.1051/0004-6361/201834749>

Carry, B, Vachier, F, Berthier, J, Marsset, M, Vernazza, P, Grice, J, Merline, WJ, Lagadec, E, Fienga, A, Conrad, A, Podlewska-Gaca, E, Santana-Ros, T, Viikinkoski, M, Hanuš, J, Dumas, C, Drummond, JD, Tamblin, PM, Chapman, CR, Behrend, R, Bernasconi, L, Bartczak, P, Benkhaldoun, Z, Birlan, M, Castillo-Rogez, J, Cipriani, F, Colas, F, Drouard, A, Durech, J, Enke, BL, Fauvaud, S, Ferrais, M, Fetick, R, Fusco, T, Gillon, M, Jehin, E, Jorda, L, Kaasalainen, M, Keppler, M, Kryszczyńska, A, Lamy, P, Marchis, F, Marciniak, A, Michalowski, T, Michel, P, Pajuelo, M, Tanga, P, Vigan, A, Warner, B, Witasse, O, Yang, B & Zurlo, A 2019, 'Homogeneous internal structure of CM-like asteroid (41) Daphne', *Astronomy and Astrophysics*, vol. 623, A132. <https://doi.org/10.1051/0004-6361/201833898>

Rimpiläinen, V, Koulouri, A, Lucka, F, Kaipio, JP & Wolters, CH 2019, 'Improved EEG source localization with Bayesian uncertainty modelling of unknown skull conductivity', *NeuroImage*, vol. 188, pp. 252-260. <https://doi.org/10.1016/j.neuroimage.2018.11.058>

Jackson, T, Shenkin, A, Wellpott, A, Calders, K, Origo, N, Disney, M, Burt, A, Raunonen, P, Gardiner, B, Herold, M, Fourcaud, T & Malhi, Y 2019, 'Finite element analysis of trees in the wind based on terrestrial laser scanning data', *Agricultural and Forest Meteorology*, vol. 265, pp. 137-144. <https://doi.org/10.1016/j.agrformet.2018.11.014>

Lehtimäki, M, Paunonen, L & Linne, M-L 2019, 'Mathematical model order reduction in computational neuroscience' Paper presented at 3rd HBP Student Conference on Interdisciplinary Brain Research, Ghent, Belgium, 6/02/19 - 7/02/19, .

Miinalainen, T, Rezaei, A, Us, D, Nüßing, A, Engwer, C, Wolters, CH & Pursiainen, S 2019, 'A realistic, accurate and fast source modeling approach for the EEG forward problem', *NeuroImage*, vol. 184, no. 1, pp. 56-67. <https://doi.org/10.1016/j.neuroimage.2018.08.054>

Stockrahm, A, Lahtinen, V, Kangas, JJJ & Kotiuga, PR 2019, 'Cuts for 3-D magnetic scalar potentials: Visualizing unintuitive surfaces arising from trivial knots', *Computers and Mathematics with Applications*. <https://doi.org/10.1016/j.camwa.2019.05.023>

Kunz, M, Fichtner, A, Härdtle, W, Raunonen, P, Bruelheide, H & von Oheimb, G 2019, 'Neighbour species richness and local structural variability modulate aboveground allocation patterns and crown morphology of individual trees', *ECOLOGY LETTERS*, vol. 22, no. 12, pp. 2130-2140. <https://doi.org/10.1111/ele.13400>

Batty, C, Paunonen, L & Seifert, D 2019, 'Optimal energy decay for the wave-heat system on a rectangular domain', *SIAM JOURNAL ON MATHEMATICAL ANALYSIS*, vol. 51, no. 2, pp. 808-819. <https://doi.org/10.1137/18M1195796>

Eriksson, S-L & Orelma, H 2019, Quaternionic Hyperbolic Function Theory. in *Topics in Clifford Analysis*. Trends in Mathematics, Springer, pp. 25-52. https://doi.org/10.1007/978-3-030-23854-4_2

Liu, W, Atherton, J, Möttus, M, Gastellu-Etchegorry, JP, Malenovský, Z, Raunonen, P, Åkerblom, M, Mäkipää, R & Porcar-Castell, A 2019, 'Simulating solar-induced chlorophyll fluorescence in a boreal forest stand reconstructed from terrestrial laser scanning measurements', *Remote Sensing of Environment*. <https://doi.org/10.1016/j.rse.2019.111274>

Gokceli, S, Levanen, T, Yli-Kaakinen, J, Turunen, M, Allen, M, Riihonen, T, Palin, A, Renfors, M & Valkama, M 2019, Software-defined radio prototype for fast-convolution-based filtered OFDM in 5G NR. in *2019 European Conference on Networks and Communications, EuCNC 2019*. IEEE, pp. 235-240, European Conference on Networks and Communications, Valencia, Spain, 18/06/19. <https://doi.org/10.1109/EuCNC.2019.8802008>

Bambach, P, Deller, J, Vilenius, E, Pursiainen, S, Takala, M, Braun, HM, Lentz, H & Wittig, M 2018, 'DISCUS – The Deep Interior Scanning CubeSat mission to a rubble pile near-Earth asteroid', *Advances in Space Research*, vol. 62, no. 12, pp. 3357-3368. <https://doi.org/10.1016/j.asr.2018.06.016>

Viihkoski, M, Vernazza, P, Hanuš, J, Le Coroller, H, Tazhenova, K, Carry, B, Marsset, M, Drouard, A, Marchis, F, Fetick, R, Fusco, T, Durech, J, Birlan, M, Berthier, J, Bartczak, P, Dumas, C, Castillo-Rogez, J, Cipriani, F, Colas, F, Ferrais, M, Grice, J, Jehin, E, Jorda, L, Kaasalainen, M, Kryszczyńska, A, Lamy, P, Marciniak, A, Michalowski, T, Michel, P, Pajuelo, M, Podlewska-Gaca, E, Santana-Ros, T, Tanga, P, Vachier, F, Vigan, A, Warner, B, Witasse, O & Yang, B 2018, '(16) Psyche: A mesosiderite-like asteroid?', *Astronomy and Astrophysics*, vol. 619, L3. <https://doi.org/10.1051/0004-6361/201834091>

Niemelä, P, Mikkolainen, V & Vuorinen, J 2018, 'Compute mindlessly. Not! map consciously', *Universal Journal of Educational Research*, vol. 6, no. 11, pp. 2669-2678. <https://doi.org/10.13189/ujer.2018.061133>

Vernazza, P, Broz, M, Drouard, A, Hanuš, J, Viihkoski, M, Marsset, M, Jorda, L, Fetick, R, Carry, B, Marchis, F, Birlan, M, Fusco, T, Santana-Ros, T, Podlewska-Gaca, E, Jehin, E, Ferrais, M, Bartczak, P, Dudziński, G, Berthier, J, Castillo-Rogez, J, Cipriani, F, Colas, F, Dumas, C, Urech, J, Kaasalainen, M, Kryszczyńska, A, Lamy, P, Le Coroller, H, Marciniak, A, Michalowski, T, Michel, P, Pajuelo, M, Tanga, P, Vachier, F, Vigan, A, Warner, B, Witasse, O, Yang, B, Asphaug, E, Richardson, DC, Ševeček, P, Gillon, M & Benkhaldoun, Z 2018, 'The impact crater at the origin of the Julia family detected with VLT/SPHERE?', *Astronomy and Astrophysics*, vol. 618, 33477. <https://doi.org/10.1051/0004-6361/201833477>

Lau, A, Bentley, LP, Martius, C, Shenkin, A, Bartholomeus, H, Raunonen, P, Malhi, Y, Jackson, T & Herold, M 2018, 'Quantifying branch architecture of tropical trees using terrestrial LiDAR and 3D modelling', *Trees - Structure and Function*, vol. 32, no. 5, pp. 1219-1231. <https://doi.org/10.1007/s00468-018-1704-1>

Lehtimäki, M, Paunonen, L & Linne, M-L 2018, 'Improvement of computational efficiency of a biochemical plasticity model' Paper presented at Brain and Mind Symposium 2018, Helsinki, Finland, 20/10/18 - 21/10/18, .

Eiben, E, Galian, R & Lauri, J 2018, 'On the complexity of rainbow coloring problems', *Discrete Applied Mathematics*, vol. 246, pp. 38-48. <https://doi.org/10.1016/j.dam.2016.10.021>

Sievänen, R, Raunonen, P, Perttunen, J, Nikinmaa, E & Kaitaniemi, P 2018, 'A study of crown development mechanisms using a shoot-based tree model and segmented terrestrial laser scanning data', *Annals of Botany*, vol. 122, no. 3, pp. 423-434. <https://doi.org/10.1093/aob/mcy082>

Humaloja, J-P & Dubljevic, S 2018, Linear Model Predictive Control for Schrödinger Equation. in *2018 Annual American Control Conference, ACC 2018*. IEEE, pp. 2569-2574, American Control Conference, Milwaukee, United States, 27/06/18. <https://doi.org/10.23919/ACC.2018.8431686>

Humaloja, J-P, Paunonen, L & Kurula, M 2018, A Partial Internal Model for Approximate Robust Output Regulation of Boundary Control Systems. in *23rd International Symposium on Mathematical Theory of Networks and Systems*. pp. 586-591, International Symposium on Mathematical Theory of Networks and Systems, Hong Kong, Hong Kong, 16/07/18.

Phan-Duc, D & Paunonen, L 2018, Robust controllers for a heat equation using the Galerkin approximation. in *Proceedings of the 23rd International Symposium on Mathematical Theory of Networks and Systems*. pp. 856-863, International Symposium on Mathematical Theory of Networks and Systems, Hong Kong, Hong Kong, 16/07/18.

Nortunen, H 2018, *Light, Shape and Space: Direct and Inverse Problems of Individual Objects and Populations*. Tampere University of Technology. Publication, vol. 1555, Tampere University of Technology.

Takala, M, Us, D & Pursiainen, S 2018, 'Multigrid-Based Inversion for Volumetric Radar Imaging With Asteroid Interior Reconstruction as a Potential Application', *IEEE Transactions on Computational Imaging*, vol. 4, no. 2, pp. 228-240. <https://doi.org/10.1109/TCI.2018.2811908>

Phan, D & Rodrigues, SS 2018, 'Stabilization to trajectories for parabolic equations', *Mathematics of Control, Signals, and Systems*, vol. 30, no. 2, 11. <https://doi.org/10.1007/s00498-018-0218-0>

Paunonen, L & Seifert, D 2018, 'Asymptotic Behaviour of Coupled Systems in Discrete and Continuous Time', *JOURNAL OF DYNAMICS AND DIFFERENTIAL EQUATIONS*, vol. 30, no. 2, pp. 433-445. <https://doi.org/10.1007/s10884-016-9547-1>

Åkerblom, M 2018, *Quantitative Tree Reconstruction from Terrestrial Laser Scanning Data and Applications*. Tampere University of Technology. Publication, vol. 1547, Tampere University of Technology.

Viro, E & Joutsenlahti, J 2018, 'The StarT Project Competition from the Perspective of Mathematics and Academic Literacy', *EDUCATION SCIENCES*, vol. 8, no. 2. <https://doi.org/10.3390/educsci8020067>

Turunen, E 2018, 'Paraconsistent Many-Valued Logic in GUHA Framework', *Acta Informatica Pragensia, University of Economics, Prague*, vol. 7, no. 1, pp. 104-111. <https://doi.org/10.18267/j.aip.116>

Kaasalainen, S, Åkerblom, M, Nevalainen, O, Hakala, T & Kaasalainen, M 2018, 'Uncertainty in multispectral lidar signals caused by incidence angle effects', *Interface Focus*, vol. 8, no. 2, 20170033. <https://doi.org/10.1098/rsfs.2017.0033>

Cibulková, H, Nortunen, H, Ďurech, J, Kaasalainen, M, Vereš, P, Jedicke, R, Wainscoat, RJ, Mommert, M, Trilling, DE, Schunová-Lilly, E, Magnier, EA, Waters, C & Flewelling, H 2018, 'Distribution of shape elongations of main belt asteroids derived from Pan-STARRS1 photometry', *Astronomy and Astrophysics*, vol. 611, A86. <https://doi.org/10.1051/0004-6361/201731554>

Krogerus, T, Hyvönen, M & Huhtala, K 2018, 'Analysis of common rail pressure signal of dual-fuel large industrial engine for identification of injection duration of pilot diesel injectors', *Fuel*, vol. 216, pp. 1-9. <https://doi.org/10.1016/j.fuel.2017.11.152>

Ala-Luhtala, J 2018, *Approximate Bayesian inference methods for stochastic state space models*. Tampere University of Technology. Publication, vol. 1528, Tampere University of Technology.

Rutanen, K 2018, 'Minimal Characterization of O-notation in Algorithm Analysis', *Theoretical Computer Science*, vol. 713, pp. 31-41. <https://doi.org/10.1016/j.tcs.2017.12.026>

Paunonen, L, *Robust output tracking and disturbance rejection for a 2D heat equation*, 2018, Digital or Visual Products, Youtube.

Pohjolainen, S, Nykänen, O, Venho, J & Kangas, J 2018, 'Analysing and Improving Student's Mathematics Skills using ICT-tools', *EURASIA JOURNAL OF MATHEMATICS, SCIENCE & TECHNOLOGY EDUCATION*, vol. 14, no. 4, 14(4), pp. 1221-1227. <https://doi.org/10.29333/ejmste/81869>

Koivisto, M, Laakkonen, P & Lauri, J 2018, 'NP-completeness results for partitioning a graph into total dominating sets', *Theoretical Computer Science*. <https://doi.org/10.1016/j.tcs.2018.04.006>

Merikoski, JK, Haukkanen, P, Mattila, M & Tossavainen, T 2018, 'On the spectral and Frobenius norm of a generalized Fibonacci r-circulant matrix', *Special Matrices*, vol. 6, no. 1, pp. 23-36. <https://doi.org/10.1515/spma-2018-0003>

Murtomaeki, JS, Kirby, G, van Nugteren, J, Contat, PA, Fleiter, J, De Frutos, OS, Pincot, FO, DeRijk, G, Rossi, L, Ruuskanen, J, Stenvall, A & Wolf, F 2018, '10 kA Joints for HTS Roebel Cables', *IEEE Transactions on Applied Superconductivity*, vol. 28, no. 3. <https://doi.org/10.1109/TASC.2018.2804951>

Miinalainen, T & Pursiainen, S 2018, A case study of focal bayesian EEG inversion for whitney element source spaces: Mesh-based vs. cartesian orientations. in *EMBEc and NBC 2017 - Joint Conference of the European Medical and Biological Engineering Conference EMBEC 2017 and the Nordic-Baltic Conference on Biomedical Engineering and*

Medical Physics, NBC 2017. IFMBE Proceedings, vol. 65, Springer Verlag, pp. 1065-1068, Joint Conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), 1/01/00. https://doi.org/10.1007/978-981-10-5122-7_266

Kauhanen, J & Orelma, H 2018, 'Cauchy–Riemann Operators in Octonionic Analysis', *Advances in Applied Clifford Algebras*, vol. 28, no. 1, 1. <https://doi.org/10.1007/s00006-018-0826-2>

Keranen, M & Lauri, J 2018, 'Computing minimum rainbow and strong rainbow colorings of block graphs', *Discrete Mathematics and Theoretical Computer Science*, vol. 20, no. 1, 22. <https://doi.org/10.23638/DMTCS-20-1-22>

Pohjolainen, S & Myllykoski, T 2018, Engineering Mathematics Education in Finland: A Comparative Analysis of EU, Russia, Georgia and Armenia. in S Pohjolainen, T Myllykoski, C Mercat & S Sosnovsky (eds), *Modern Mathematics Education for Engineering Curricula in Europe*. Birkhäuser, pp. 69-75.

Valmari, A & Vogler, W 2018, 'Fair testing and stubborn sets', *International Journal on Software Tools for Technology Transfer*, pp. 589-610. <https://doi.org/10.1007/s10009-017-0481-2>

Takala, M, Bambach, P, Deller, J, Vilenius, E, Wittig, M, Lentz, H, Braun, HM, Kaasalainen, M & Pursiainen, S 2018, 'Far-Field Inversion for the Deep Interior Scanning CubeSat', *IEEE Transactions on Aerospace and Electronic Systems*. <https://doi.org/10.1109/TAES.2018.2874755>

Kaarakka, TE, Ali-Löytty, S & Huhtanen, M 2018, 'Kehittämistutkimus: vuorovaikutteisten Matlab-opetusohjelmien vaikutus minäpystyvyyteen ja oppimistuloksiin yliopistomatematiikassa', *FMSEJA Journal*, vol. 2, no. 1, pp. 67-77.

Pohjolainen, S, Rasila, A & Kuosa, K 2018, Matematiikan oppimisen tukeminen teknillisessä yliopistokoulutuksessa. in J Joutsenlahti, H Silfverberg & P Räsänen (eds), *Matematiikan opetus ja oppiminen*. Niilo Mäki Instituutti, Porvoo, pp. 450-474.

Pohjolainen, S 2018, Mathematics Education in EU for STEM Disciplines. in S Pohjolainen, T Myllykoski, C Mercat & S Sosnovsky (eds), *Modern Mathematics Education for Engineering Curricula in Europe: A Comparative Analysis of EU, Russia, Georgia and Armenia*. Birkhäuser, pp. 1-6. https://doi.org/10.1007/978-3-319-71416-5_1

Pohjolainen, S, Myllykoski, T, Mercat, C & Sosnovsky, S (eds) 2018, *Modern Mathematics Education for Engineering Curricula in Europe: A Comparative Analysis of EU, Russia, Georgia and Armenia*. Birkhäuser. <https://doi.org/10.1007/978-3-319-71416-5>

Kowalik, L, Lauri, J & La, AS 2018, 'On the fine-grained complexity of rainbow coloring', *SIAM Journal on Discrete Mathematics*, vol. 32, no. 3, pp. 1672-1705. <https://doi.org/10.1137/16M1102690>

Pohjolainen, S, Sosnovsky, S & Mercat, C 2018, Overview of the Results and Recommendations. in S Pohjolainen, T Myllykoski, C Mercat & S Sosnovsky (eds), *Modern Mathematics Education for Engineering Curricula in Europe: A Comparative Analysis of EU, Russia, Georgia and Armenia*. Birkhäuser, Switzerland, pp. 185-196. https://doi.org/10.1007/978-3-319-71416-5_10

Viro, IE & Joutsenlahti, J 2018, 'Projektityöskentelyn kehittäminen yläkoulun matematiikan opetuksessa', *FMSEJA Journal*, vol. 2, no. 1, pp. 90-99.

Humaloja, J-P & Paunonen, L 2018, 'Robust Regulation of Infinite-Dimensional Port-Hamiltonian Systems', *IEEE Transactions on Automatic Control*, vol. 63, no. 5. <https://doi.org/10.1109/TAC.2017.2748055>

Mulholland, K, Virkki, J, Raunonen, P & Merilampi, S 2018, Wearable RFID perspiration sensor tags for well-being applications – From laboratory to field use. in *EMBEC and NBC 2017 - Joint Conference of the European Medical and Biological Engineering Conference EMBEC 2017 and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics, NBC 2017*. IFMBE Proceedings, vol. 65, Springer Verlag, pp. 1012-1015, Joint Conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical

Engineering and Medical Physics (NBC), 1/01/00. https://doi.org/10.1007/978-981-10-5122-7_253

Bambach, P, Deller, J, Martel, J, Vilenius, E, Goldberg, H, Sorsa, L-I, Pursiainen, S, Takala, M, Wurster, A, Braun, HM, Lentz, H, Jutzi, M, Wittig, M, Chitu, CC, Ritter, B & Karatekin, O 2018, What's inside a rubble pile asteroid? DiSCUS - A tomographic twin radar Cubesat to find out. in *69th International Astronautical Congress, IAC 2018*. Proceedings of the International Astronautical Congress, IAC, International Astronautical Congress, Bremen, Germany, 1/10/18.

Mylykoski, TJ, Mattila, P, Ali-Löytty, S, Kaarakka, T & Viro, E 2018, 'Yliopistomatematiikan sähköisten tehtävien ja matemaattisen ajattelun kehittäminen', *FMSERA Journal*, vol. 2, no. 1, pp. 46-56.

Pyrhönen, V-P, Koivisto, H & Vilkkö, M 2017, A Reduced-Order Two-Degree-of-Freedom Composite Nonlinear Feedback Control for a Rotary DC Servo Motor. in *Proceedings of the 56th IEEE Conference on Decision and Control*. Melbourne, Australia, pp. 2065-2071, IEEE CONFERENCE ON DECISION AND CONTROL, 1/01/00. <https://doi.org/10.1109/CDC.2017.8263951>

Turunen, E 2017, 'Using GUHA Data Mining Method in Analyzing Road Traffic Accidents Occurred in the Years 2004–2008 in Finland', *Data Science and Engineering*, vol. 2, no. 3, pp. 224-231. <https://doi.org/10.1007/s41019-017-0044-2>

Gonzalez de Tanago, J, Lau, A, Bartholomeus, H, Herold, M, Avitabile, V, Raunonen, P, Martius, C, Goodman, R, Disney, M, Manuri, S, Burt, A & Calders, K 2017, 'Estimation of above-ground biomass of large tropical trees with terrestrial LiDAR', *Methods in Ecology and Evolution*. <https://doi.org/10.1111/2041-210X.12904>

Viiikinkoski, M, Hanuš, J, Kaasalainen, M, Marchis, F & Ďurech, J 2017, 'Adaptive optics and lightcurve data of asteroids: Twenty shape models and information content analysis', *Astronomy and Astrophysics*, vol. 607, A117. <https://doi.org/10.1051/0004-6361/201731456>

Mylykoski, T, Ali-Löytty, SS & Pohjolainen, S 2017, Opiskelijoiden oppimistyökalujen käyttö tietokoneavusteisessa Matematiikkajumppa -tukiopetuksessa. in *2017: Proceedings of the annual FMSERA symposium 2016*. Proceedings of the FMSERA annual symposium, pp. 54-65, ANNUAL SYMPOSIUM OF THE FINNISH MATHEMATICS AND SCIENCE EDUCATION RESEARCH ASSOCIATION, 1/01/00.

Viro, E, Joutsenlahti, J & Eriksson, S-L 2017, Projektityöskentely matematiikan opiskelussa yläkoululaisten ja heidän opettajiensa kokemana. in *2017: Proceedings of the annual FMSERA symposium 2016*. Proceedings of the FMSERA annual symposium, 1/01/00.

Koskinen, S, Kela, J, Ali-Löytty, SS & Joutsenlahti, J 2017, Sähköisen matematiikan tentin toteuttaminen ja opiskelijoiden kokemukset sähköisestä tentistä. in *2017: Proceedings of the annual FMSERA symposium 2016*. Proceedings of the FMSERA annual symposium, pp. 110-120, ANNUAL SYMPOSIUM OF THE FINNISH MATHEMATICS AND SCIENCE EDUCATION RESEARCH ASSOCIATION, 1/01/00.

Tengvall, M, Kaarakka, T, Ali-Löytty, SS & Nokelainen, P 2017, Substanssiosaamisen integroinnin vaikutus asenteisiin ja motivaatioon yliopistomatematiikassa. in *2017: Proceedings of the annual FMSERA symposium 2016*. Proceedings of the FMSERA annual symposium, pp. 76-87, ANNUAL SYMPOSIUM OF THE FINNISH MATHEMATICS AND SCIENCE EDUCATION RESEARCH ASSOCIATION, 1/01/00.

Lin, S-W, Sun, J, Xiao, H, Liu, Y, Sanán, D & Hansen, H 2017, FiB: Squeezing loop invariants by interpolation between forward/backward predicate transformers. in G Rosu, M Di Penta & TN Nguyen (eds), *Proceedings of the 32nd IEEE/ACM International Conference on Automated Software Engineering: ASE 2017*. IEEE/ACM International Conference on Automated Software Engineering, IEEE Press, pp. 793-803, IEEE/ACM International Conference on Automated Software Engineering, 1/01/00. <https://doi.org/10.1109/ASE.2017.8115690>

Rautalin, S, Ali-Löytty, S, Piche, R & Ala-Luhtala, J 2017, *Supporting an estimation of satellite locations*, Patent No. US20170269221, IPC No. G01S19/40.

- Xu, X, Pohjolainen, S & Dubljevic, S 2017, 'Finite-dimensional regulators for a class of regular hyperbolic PDE systems', *International Journal of Control*, pp. 1-18. <https://doi.org/10.1080/00207179.2017.1369575>
- Leppäkoski, H, Rivero-Rodriguez, A, Rautalin, S, Muñoz Martínez, D, Käppi, J, Ali-Löyty, S & Piche, R 2017, 'Semantic Labeling of User Location Context Based on Phone Usage Features', *Mobile Information Systems*, vol. 2017, pp. 1-21. <https://doi.org/10.1155/2017/3876906>
- Marsset, M, Carry, B, Dumas, C, Hanuš, J, Viikinkoski, M, Vernazza, P, Müller, TG, Delbo, M, Jehin, E, Gillon, M, Grice, J, Yang, B, Fusco, T, Berthier, J, Sonnett, S, Kugel, F, Caron, J & Behrend, R 2017, '3D shape of asteroid (6) Hebe from VLT/SPHERE imaging: Implications for the origin of ordinary H chondrites', *Astronomy and Astrophysics*, vol. 604, A64. <https://doi.org/10.1051/0004-6361/201731021>
- Juchheim, J, Annighöfer, P, Ammer, C, Calders, K, Raunonen, P & Seidel, D 2017, 'How management intensity and neighborhood composition affect the structure of beech (*Fagus sylvatica* L.) trees', *TREES-STRUCTURE AND FUNCTION*, vol. 31, no. 5, pp. 1723–1735. <https://doi.org/10.1007/s00468-017-1581-z>
- Lehtimäki, M, Paunonen, L, Pohjolainen, S & Linne, M-L 2017, Order reduction for a signaling pathway model of neuronal synaptic plasticity. in *20th IFAC World Congress*. IFAC-PapersOnLine, vol. 50, IFAC, pp. 7687-7692, IFAC World Congress, 1/01/00. <https://doi.org/10.1016/j.ifacol.2017.08.1143>
- Laakkonen, P 2017, Robust Regulation of MIMO systems: A Reformulation of the Internal Model Principle. in *20th IFAC World Congress*. IFAC-PapersOnLine, vol. 50, IFAC, pp. 693-697, IFAC World Congress, 1/01/00. <https://doi.org/10.1016/j.ifacol.2017.08.125>
- Ruuskanen, J, Stenvall, A & Lahtinen, V 2017, 'Predicting Heat Propagation in Roebel-Cable Based Accelerator Magnet Prototype: One-Dimensional Approach with Coupled Turns', *IEEE Transactions on Applied Superconductivity*, vol. 27, no. 4. <https://doi.org/10.1109/TASC.2016.2630844>
- Takala, M, Hämäläinen, T & Pursiainen, S 2017, 'The effect of hardware-computed travel time on localization accuracy in the inversion of experimental (acoustic) waveform data', *IEEE Transactions on Computational Imaging*, vol. 3, no. 2, pp. 344-354. <https://doi.org/10.1109/TCI.2017.2686698>
- Laakkonen, P & Quadrat, A 2017, 'A fractional representation approach to the robust regulation problem for SISO systems', *Systems and Control Letters*, vol. 103, pp. 32-37. <https://doi.org/10.1016/j.sysconle.2017.02.006>
- Paunonen, L & Seifert, D 2017, 'Asymptotic behaviour in the robot rendezvous problem', *Automatica*, vol. 79, pp. 127-130. <https://doi.org/10.1016/j.automatica.2017.02.015>
- Hanuš, J, Viikinkoski, M, Marchis, F, Durech, J, Kaasalainen, M, Delbo, M, Herald, D, Frappa, E, Hayamizu, T, Kerr, S, Preston, S, Timerson, B, Dunham, D & Talbot, J 2017, 'Volumes and bulk densities of forty asteroids from ADAM shape modeling', *Astronomy and Astrophysics*, vol. 601, A114. <https://doi.org/10.1051/0004-6361/201629956>
- Paunonen, L 2017, Output Regulation of Infinite-Dimensional Time-Delay Systems. in *American Control Conference (ACC), 2017*. Proceedings of the American Control Conference, vol. 2017, IEEE, pp. 3189-3193, PROCEEDINGS OF THE AMERICAN CONTROL CONFERENCE, 1/01/00. <https://doi.org/10.23919/ACC.2017.7963438>
- Valmari, A & Hella, L 2017, The logics taught and used at high schools are not the same. in J Karhumäki, Y Matiyasevich & A Saarela (eds), *Proceedings of the Fourth Russian Finnish Symposium on Discrete Mathematics*. TUCS Lecture Notes, no. 26, TURKU CENTRE FOR COMPUTER SCIENCE, Turku, pp. 172-186, Fourth Russian Finnish Symposium on Discrete Mathematics, Turku, Finland, 16/05/17.
- Vorwerk, J, Engwer, C, Pursiainen, S & Wolters, CH 2017, 'A Mixed Finite Element Method to Solve the EEG Forward Problem', *IEEE Transactions on Medical Imaging*, vol. 36, no. 4, 7731161, pp. 930-941. <https://doi.org/10.1109/TMI.2016.2624634>

Kunz, M, Hess, C, Raunonen, P, Bienert, A, Hackenberg, J, Maas, HG, Härdtle, W, Fichtner, A & Von Oheimb, G 2017, 'Comparison of wood volume estimates of young trees from terrestrial laser scan data', *iForest - Biogeosciences and Forestry*, vol. 10, no. 2, pp. 451-458. <https://doi.org/10.3832/ifer2151-010>

Lauri, M, Ropponen, A & Ritala, R 2017, 'Meeting a deadline: shortest paths on stochastic directed acyclic graphs with information gathering', *Annals of Mathematics and Artificial Intelligence*, vol. 79, no. 4, pp. 337-370. <https://doi.org/10.1007/s10472-016-9527-5>

Åkerblom, M, Raunonen, P, Mäkipää, R & Kaasalainen, M 2017, 'Automatic tree species recognition with quantitative structure models', *Remote Sensing of Environment*, vol. 191, pp. 1-12. <https://doi.org/10.1016/j.rse.2016.12.002>

Lauri, J 2017, 'Complexity of Rainbow Vertex Connectivity Problems for Restricted Graph Classes', *Discrete Applied Mathematics*, vol. 219, pp. 132-146. <https://doi.org/10.1016/j.dam.2016.11.023>

Hanuš, J, Marchis, F, Viikinkoski, M, Yang, B & Kaasalainen, M 2017, 'Shape model of asteroid (130) Elektra from optical photometry and disk-resolved images from VLT/SPHERE and Nirc2/Keck', *Astronomy and Astrophysics*, vol. 599, A36. <https://doi.org/10.1051/0004-6361/201629592>

Pursiainen, S, Lew, S & Wolters, CH 2017, 'Forward and Inverse Effects of the Complete Electrode Model in Neonatal EEG', *Journal of Neurophysiology*, vol. 117, no. 3, pp. 876-884. <https://doi.org/10.1152/jn.00427.2016>

Valmari, A 2017, The Congruences Below Fair Testing with Initial Stability. in *2016 16th International Conference on Application of Concurrency to System Design*. IEEE, pp. 25-34, Application of Concurrency to System Design, 1/01/00. <https://doi.org/10.1109/ACSD.2016.15>

Hansen, H 2017, Abstractions for transition systems with applications to stubborn sets. in T Gibson-Robinson, P Hopcroft & R Lazić (eds), *Concurrency, Security, and Puzzles: Essays Dedicated to Andrew William Roscoe on the Occasion of His 60th Birthday*. Lecture Notes in Computer Science, vol. 10160, Springer International Publishing, pp. 104-123. https://doi.org/10.1007/978-3-319-51046-0_6

Valmari, A 2017, More stubborn set methods for process algebras. in T Gibson-Robinson, P Hopcroft & R Lazić (eds), *Concurrency, Security, and Puzzles: Essays Dedicated to Andrew William Roscoe on the Occasion of His 60th Birthday*. Lecture Notes in Computer Science, vol. 10160, Springer International Publishing, pp. 246-271. https://doi.org/10.1007/978-3-319-51046-0_13

Valmari, A 2017, 'Stop it, and be stubborn!', *ACM Transactions on Embedded Computing Systems*, vol. 16, no. 2, 46. <https://doi.org/10.1145/3012279>

Pursiainen, S, Agsten, B, Wagner, S & Wolters, CH 2017, 'Advanced boundary electrode modeling for tES and parallel tES/EEG', *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, vol. 26, no. 1, pp. 37-44. <https://doi.org/10.1109/TNSRE.2017.2748930>

Paunonen, L & Seifert, D 2017, 'Asymptotics for infinite systems of differential equations', *SIAM Journal on Control and Optimization*, vol. 55, no. 2, pp. 1153-1178. <https://doi.org/10.1137/15M1051993>

Potapov, I, Järvenpää, M, Åkerblom, M, Raunonen, P & Kaasalainen, M 2017, 'Bayes Forest: A data-intensive generator of morphological tree clones', *GigaScience*, vol. 6, no. 10, gix079. <https://doi.org/10.1093/gigascience/gix079>

Koskela, O, Belay, B, Pursiainen, S, Figueiras, E & Hyttinen, J 2017, Computational Model for Simulating Multifocal Imaging in Optical Projection Tomography. in *Mathematics in Imaging 2017.*, MTu1C.3, Optical Society of America, Imaging and Applied Optics, 1/01/12. <https://doi.org/10.1364/MATH.2017.MTu1C.3>

Rivero-Rodriguez, A & Nykänen, O 2017, Context Awareness for Semantic Mobile Computing. in J Nurmi, E-S Lohan, H Wymeersch, G Seco-Granados & O Nykänen (eds), *Multi-Technology Positioning*. Springer International Publishing, Cham, pp. 251-267. https://doi.org/10.1007/978-3-319-50427-8_12

Eriksson, S-L & Orelma, H 2017, 'General Integral Formulas for k-hyper-mono-genic Functions', *Advances in Applied Clifford Algebras*, vol. 27, no. 1, pp. 99-110. <https://doi.org/10.1007/s00006-015-0629-7>

Humaloja, J-P, Ali-Löytty, S, Pohjolainen, S & Hämäläinen, T 2017, Independent Loops Search in Flow Networks Aiming for Well-Conditioned System of Equations. in P Quintela, P Barral, D Gómez, FJ Pena, J Rodríguez, P Salgado & ME Vázquez-Mendéz (eds), *Progress in Industrial Mathematics at ECMI 2016*. Mathematics in industry, vol. 26, Springer International Publishing, EUROPEAN CONFERENCE ON MATHEMATICS FOR INDUSTRY, 1/01/00. <https://doi.org/10.1007/978-3-319-63082-3>

Vuojamo, V & Eriksson, S-L 2017, 'Integral kernels for k-hypermonogenic functions', *Complex Variables and Elliptic Equations*, vol. 62, no. 9, pp. 1-12. <https://doi.org/10.1080/17476933.2016.1250402>

Saarela, S, Breidenbach, J, Raumonon, P, Grafström, A, Ståhl, G, Ducey, MJ & Astrup, R 2017, 'Kriging prediction of stand-level forest information using mobile laser scanning data adjusted for nondetection', *CANADIAN JOURNAL OF FOREST RESEARCH-REVUE CANADIENNE DE RECHERCHE FORESTIERE*, vol. 47, no. 9, pp. 1257-1265. <https://doi.org/10.1139/cjfr-2017-0019>

Raitoharju, M, García-Fernández, Á & Piche, R 2017, 'Kullback-Leibler Divergence Approach to Partitioned Update Kalman Filter', *Signal Processing*, vol. 130. <https://doi.org/10.1016/j.sigpro.2016.07.007>

Nortunen, H & Kaasalainen, M 2017, 'LEADER: fast estimates of asteroid shape elongation and spin latitude distributions from scarce photometry', *Astronomy and Astrophysics*, vol. 608, A91. <https://doi.org/10.1051/0004-6361/201731360>

Myllykoski, T & Ali-Löytty, SS 2017 'Matematiikan Perustaitojen Testi: Testin tehtävien ja vuosien 2010-2016 tulosten analyysi'.

Mattila, M, Merikoski, JK, Haukkanen, P & Tossavainen, T 2017, 'Maximal perpendicularity in certain Abelian groups', *ACTA UNIVERSITATIS SAPIENTIAE: MATHEMATICA*, vol. 9, no. 1, pp. 235-247. <https://doi.org/10.1515/ausm-2017-0016>

Diaz-Moreno, JC, Medina, J & Turunen, E 2017, 'Minimal solutions of general fuzzy relation equations on linear carriers. An algebraic characterization', *Fuzzy Sets and Systems*, vol. 311, pp. 112-123. <https://doi.org/10.1016/j.fss.2016.02.004>

Upadhaya, B, Martin, F, Rasilo, P, Handgruber, P, Belahcen, A & Arkkio, A 2017, 'Modelling anisotropy in non-oriented electrical steel sheet using vector Jiles-Atherton model', *COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, vol. 36, no. 3, pp. 764-773. <https://doi.org/10.1108/COMPEL-09-2016-0399>

Koivisto, M, Laakkonen, P & Lauri, J 2017, NP-completeness results for partitioning a graph into total dominating sets. in *Computing and Combinatorics - 23rd International Conference, COCOON 2017, Proceedings*. Lecture Notes in Computer Science, vol. 10392, Springer Verlag, pp. 333-345, INTERNATIONAL CONFERENCE ON COMPUTING AND COMBINATORICS, 1/01/00. https://doi.org/10.1007/978-3-319-62389-4_28

Couceiro, M, Foldes, S & Meletiou, GC 2017, 'On homomorphisms between products of median algebras', *Algebra Universalis*, vol. 78, no. 4, pp. 545-553. <https://doi.org/10.1007/s00012-017-0468-6>

Mattila, M 2017, 'Positive definite arithmetical functions' Paper presented at Finnish Number Theory Days 2017, Tampere, Finland, 5/06/17 - 6/06/17, .

Paunonen, L 2017, 'Robust controllers for regular linear systems with infinite-dimensional exosystems', *SIAM Journal on Control and Optimization*, vol. 55, no. 3, pp. 1567-1597. <https://doi.org/10.1137/16M107181X>

Kauhanen, J & Orelma, H 2017, Some Theoretical Remarks of Octonionic Analysis. in IE Egorov, SV Popov, PN Vabishchevich, MY Antonov, NP Lazarev, MS Troeva, AO Ivanova & YM Grigor'ev (eds), *Proceedings of the 8th International Conference On Mathematical Modeling (ICMM-2017)*. vol. 1907, 030056, AIP Conference Proceedings, American Institute of Physics AIP, INTERNATIONAL CONFERENCE ON MATHEMATICAL MODELING, 1/01/00. <https://doi.org/10.1063/1.5012678>

Niemimäki, O, Kurz, S & Kettunen, L 2017, 'Structure-preserving mesh coupling based on the Buffa-Christiansen complex', *Mathematics of Computation*, vol. 86, pp. 507-524. <https://doi.org/10.1090/mcom/3121>

Valmari, A & Hansen, H 2017, Stubborn set intuition explained. in *Transactions on Petri Nets and Other Models of Concurrency XII. Lecture Notes in Computer Science*, vol. 10470, Springer Verlag, pp. 140-165, INTERNATIONAL CONFERENCE ON APPLICATION AND THEORY OF PETRI NETS AND CONCURRENCY, 1/01/00. https://doi.org/10.1007/978-3-662-55862-1_7

Nykänen, O 2017, Teollinen internet ja semanttinen mallinnus. in M Martinsuo & T Kärri (eds), *Teollinen internet uudistaa palveluliiketoimintaa ja kunnossapitoa*. Kunnossapitoyhdistys ProMaint, Kerava, pp. 102-123.

Haukkanen, P, Merikoski, JK, Mattila, M & Tossavainen, T 2017, 'The arithmetic Jacobian matrix and determinant', *Journal of Integer Sequences*, vol. 20, no. 9, 17.9.2.

Eriksson, S-L, Orelma, H & Vieira, N 2017, 'Two-Sided Hypergenetic Functions', *Advances in Applied Clifford Algebras*, vol. 27, no. 1, pp. 111-123. <https://doi.org/10.1007/s00006-015-0605-2>

Turunen, E 2016, 'RS-BL-algebras are MV-algebras', *Iranian Journal of Fuzzy Systems*, vol. 13, no. 6, pp. 153-154.

Cibulkova, H, Durech, J, Vokrouhlicky, D, Kaasalainen, M & Oszkiewicz, DA 2016, 'Distribution of spin-axes longitudes and shape elongations of main-belt asteroids', *Astronomy and Astrophysics*, vol. 596, A57. <https://doi.org/10.1051/0004-6361/201629192>

Eriksson, S-L & Orelma, H 2016, A New Cauchy Type Integral Formula for Quaternionic k-hypermonogenic Functions. in S Bernstein, U Kähler, I Sabadini & F Sommen (eds), *Modern Trends in Hypercomplex Analysis*. Trends in Mathematics, Springer International Publishing, pp. 175-189, ISAAC Congress, 1/01/00. https://doi.org/10.1007/978-3-319-42529-0_9

Pursiainen, S, Vorwerk, J & Wolters, CH 2016, 'Electroencephalography (EEG) forward modeling via H(div) finite element sources with focal interpolation', *Physics in Medicine and Biology*, vol. 61, no. 24, pp. 8502-8520. <https://doi.org/10.1088/0031-9155/61/24/8502>

Lauri, J 2016, *Chasing the Rainbow Connection: Hardness, Algorithms, and Bounds*. Tampere University of Technology. Publication, vol. 1428, Tampere University of Technology.

Viro, E 2016, 'Projektipankki yläkoulun matematiikkaan', *Dimensio*, vol. 2016, no. 5, pp. 29-30.

Gupta, JP, Menon, K, Kärkkäinen, H, Huhtamäki, J, Mukkamala, RR, Hussain, A, Vatrappu, R, Jussila, J & Pirkkalainen, H 2016, Identifying weak ties from publicly available social media data in an event. in *AcademicMindtrek '16 Proceedings of the 20th International Academic Mindtrek Conference*. ACM, pp. 11-19, Mindtrek Conference, 1/01/00. <https://doi.org/10.1145/2994310.2994354>

Lehtonen, P, Toivanen, P, Aalto, P, Björkqvist, T, Hakkarainen, M, Harsia, P, Holttinen, H, Järventausta, P, Jaakkola, I, Kallioharju, K, Kojo, M, Mylläri, F & Oksa, AM 2016, *Resurssitehokkaampi ja ilmastoneutraalimpi energijärjestelmä, mutta miten? Suomalaiset avaintoimijat vastaavat*. vol. 5/2016, EL-TRAN Analyysi.

Mylykoski, T, Pohjolainen, S & Ali-Löytty, S 2016, Students' Use of Learning Tools and Tool Types: Solving Self-Study Assignments on an Online Platform. in *SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation*. European Society for Engineering Education SEFI, Annual Conference of the European Society for Engineering Education, 1/01/00.

Joutsenlahti, J, Ali-Löytty, S & Pohjolainen, S 2016, Developing Learning and Teaching in Engineering Mathematics with and without Technology. in *SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation*. European Society for Engineering Education SEFI, Annual Conference of the European Society for Engineering Education, 1/01/00.

Devillers, R, Valmari, A & Penczek, W 2016, 'Application and theory of Petri nets and other models of concurrency: Special issue of selected papers from Petri Nets 2015', *Fundamenta Informaticae*, vol. 146, no. 1, pp. v-vi. <https://doi.org/10.3233/FI-2016-1373>

Foldes, S & Radeleczi, S 2016, 'Interval decomposition lattices are balanced', *DEMONSTRATIO MATHEMATICA*, vol. 49, no. 3, pp. 271-281. <https://doi.org/10.1515/dema-2016-0023>

Valmari, A & Kaarakka, T 2016, MathCheck: a tool for checking math solutions in detail. in *SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation*. European Society for Engineering Education SEFI, Annual Conference of the European Society for Engineering Education, 1/01/00.

Batty, C, Paunonen, L & Seifert, D 2016, 'Optimal energy decay in a one-dimensional coupled wave-heat system', *Journal of Evolution Equations*, vol. 16, no. 3, pp. 649-664. <https://doi.org/10.1007/s00028-015-0316-0>

Hansen, H & Valmari, A 2016, Safety Property-Driven Stubborn Sets. in K Larsen, I Potapov & J Srba (eds), *Reachability Problems: 10th International Workshop, RP 2016, Aalborg, Denmark, September 19-21, 2016, Proceedings*. Lecture notes in computer science, vol. 9899, Springer International Publishing, pp. 90-103, INTERNATIONAL WORKSHOP ON REACHABILITY PROBLEMS, 1/01/00. https://doi.org/10.1007/978-3-319-45994-3_7

Heiliö, M, Lähivaara, T, Laitinen, E, Mantere, T, Merikoski, J, Pohjolainen, S, Raivio, K, Silvennoinen, R, Suutala, A, Tarvainen, T, Tiihonen, T, Tuomela, J, Turunen, E & Vauhkonen, M 2016, *Mathematical Modelling*. Springer International Publishing, Switzerland. <https://doi.org/10.1007/978-3-319-27836-0>

Jussila, J & Aramo-Immonen, H 2016, Experienced risks in social media use – longitudinal study among university students. in L Gómez Chova, A López Martínez & I Candel Torres (eds), *EDULEARN16 Proceedings: 8th annual International Conference on Education and New Learning Technologies, Barcelona (Spain). 4th - 6th of July, 2016*. . vol. 8, EDULEARN Proceedings, IATED Academy, pp. 1255-1260, International Conference on Education and New Learning Technologies, 1/01/00. <https://doi.org/10.21125/edulearn.2016.1257>

Paunonen, L & Seifert, D 2016, Asymptotic Behaviour of Platoon Systems. in *Proceedings of the 22nd International Symposium on Mathematical Theory of Networks and Systems*. University of Minnesota, pp. 830-836, INTERNATIONAL SYMPOSIUM ON MATHEMATICAL THEORY OF NETWORKS AND SYSTEMS, 1/01/00.

Pohjolainen, S & Suutala, A 2016, Acoustic Modelling. in S Pohjolainen (ed.), *Mathematical Modelling*. Springer, Switzerland, pp. 185-205. https://doi.org/10.1007/978-3-319-27836-0_11

Hämäläinen, T & Pohjolainen, S 2016, The Structure of Robust Controllers for Distributed Parameter Systems. in *Proceedings of the European Control Conference, June 29 - July 1, 2016, Aalborg Denmark*. IEEE, Aalborg, Denmark, European Control Conference, 1/01/00. <https://doi.org/10.1109/ECC.2016.7810619>

Raitoharju, M, Piché, R, Ala-Luhtala, J & Ali-Löytty, S 2016, 'Partitioned Update Kalman Filter', *Journal of Advances in Information Fusion*, vol. 11, no. 1, pp. 3-14.

Turunen, E & Rodrigues, JT 2016, Two Consistent Many-Valued Logics for Paraconsistent Phenomena. in J-Y Beziau, M Chakraborty & S Dutta (eds), *New Directions in Paraconsistent Logic : 5th WCP, Kolkata, India, February 2014*. Springer Proceedings in Mathematics & Statistics, vol. 152, Springer Verlag, New Delhi Heidelberg New York Dordrecht London, pp. 185-210. <https://doi.org/10.1007/978-81-322-2719-9>

Piipponen, A & Valmari, A 2016, 'Constructing Minimal Coverability Sets', *Fundamenta Informaticae*, vol. 143, no. 3-4, pp. 393-414. <https://doi.org/10.3233/FI-2016-1319>

Eiben, E, Ganian, R & Lauri, J 2016, On the Complexity of Rainbow Coloring Problems. in Z Lipták & WF Smyth (eds), *Combinatorial Algorithms: 26th International Workshop, IWOCA 2015, Verona, Italy, October 5-7, 2015, Revised Selected Papers*. Lecture Notes in Computer Science, vol. 9538, Springer International Publishing, pp. 209-220, INTERNATIONAL WORKSHOP ON COMBINATORIAL ALGORITHMS, 1/01/00. https://doi.org/10.1007/978-3-319-29516-9_18

Eriksson, S-L, Salminen, J & Viro, E 2016, 'Projekteja yläkoulun matematiikkaan', *LUMA-sanomat*.

Gotkhindikar, AD 2016, 'On the Underlying Mathematical and Quantum Structure of Quantum Cryptography', *International Journal of Engineering and Computer Science*, vol. 5, no. 2, pp. 15685-15699. <https://doi.org/10.18535/ijecs/v5i2.7>

Ali-Löytty, S, Parviainen, P & Pohjolainen, S 2016, 'Opetusteknologiaa hyödyntävä oppimisympäristö MATLABin alkeiden opiskeluun' pp. 42-43.

Viikinkoski, M 2016, *Shape reconstruction from generalized projections*. Tampere University of Technology. Publication, vol. 1358, Tampere University of Technology.

Mattila, M & Haukkanen, P 2016, 'Studying the various properties of MIN and MAX matrices - elementary vs. more advanced methods', *Special Matrices*, vol. 4, no. 1, pp. 101-109. <https://doi.org/10.1515/spma-2016-0010>

Laakkonen, A & Paunonen, L 2016, A Simple Controller with a Reduced Order Internal Model in the Frequency Domain. in *Proceedings of European Control Conference 2016*. IEEE, pp. 1988-1992, European Control Conference, 1/01/00. <https://doi.org/10.1109/ECC.2016.7810583>

Kaasalainen, M 2016, Asteroid models from photometry and complementary data sources. in C Chavero, K Cunha, J Carvano, MB Fernandes & R Dupke (eds), *Graduate School In Astronomy: Xvi Special Courses At The National Observatory Of Rio De Janeiro: Xvi Cce*. AIP Conference Proceedings, vol. 1732, AMER INST PHYSICS, 16th Special Courses on Ciclo de Cursos Especiais (CCE), Rio de Janeiro, Brazil, 7/11/11. <https://doi.org/10.1063/1.4948806>

Paunonen, L 2016, 'Controller Design for Robust Output Regulation of Regular Linear Systems', *IEEE Transactions on Automatic Control*, vol. 61, no. 10, pp. 2974-2986. <https://doi.org/10.1109/TAC.2015.2509439>

Potapov, I, Järvenpää, M, Åkerblom, M, Raunonen, P & Kaasalainen, M 2016, 'Data-based stochastic modeling of tree growth and structure formation', *Silva Fennica*, vol. 50, no. 1, 1413. <https://doi.org/10.14214/sf.1413>

Lauri, J 2016, 'Further hardness results on rainbow and strong rainbow connectivity', *Discrete Applied Mathematics*, vol. 201, pp. 191-200. <https://doi.org/10.1016/j.dam.2015.07.041>

Di Nola, A, Grigolia, R & Turunen, E 2016, *Fuzzy Logic of Quasi-Truth: An Algebraic Treatment*. Studies in Fuzziness and Soft Computing, vol. 338, Springer, Switzerland. <https://doi.org/10.1007/978-3-319-30406-9>

Silvennoinen, R & Merikoski, J 2016, Integer Models. in S Pohjolainen (ed.), *Mathematical Modelling*. Springer International Publishing, pp. 35-54. https://doi.org/10.1007/978-3-319-27836-0_4

Rivero-Rodriguez, A, Pileggi, P & Nykänen, OA 2016, 'Mobile Context-Aware Systems: Technologies, Resources and Applications', *International Journal of Interactive Mobile Technologies*, vol. 10, no. 2, pp. 25-32. <https://doi.org/10.3991/ijim.v10i2.5367>

Mäkelä, A-M, Ali-Löytty, S, Joutsenlahti, J & Kauhanen, J 2016, Moodlen työpaja: Vertaisarviointi osana opetusta yliopistomatematiikan ensimmäisellä peruskurssilla. in H Silfvenberg & P Hästö (eds), *Matematiikan ja luonnontieteiden opetuksen tutkimusseuran tutkimuspäivät 2015*. Matematiikan ja luonnontieteiden opetuksen tutkimusseura r.y., pp. 90-99, 1/01/00.

Humaloja, J-P, Hämäläinen, T & Pohjolainen, S 2016, On Detecting the Shape of an Unknown Object in an Electric Field. in G Russo, V Capasso, G Nicosia & V Romano (eds), *Progress in Industrial Mathematics at ECMI 2014*. Mathematics in Industry, vol. 22, Springer International Publishing, EUROPEAN CONFERENCE ON MATHEMATICS FOR INDUSTRY, 1/01/00. <https://doi.org/10.1007/978-3-319-23413-7>

Kowalik, Ł & Lauri, J 2016, 'On finding rainbow and colorful paths', *Theoretical Computer Science*, vol. 628, pp. 110-114. <https://doi.org/10.1016/j.tcs.2016.03.017>

Eriksson, S-L & Orelma, H 2016, 'On k-Hypermonogenic Functions and Their Mean Value Properties', *Complex Analysis and Operator Theory*, vol. 10, no. 2, pp. 311-325. <https://doi.org/10.1007/s11785-015-0445-z>

Piché, R 2016, 'Online tests of Kalman filter consistency', *International Journal of Adaptive Control and Signal Processing*, vol. 30, no. 1, pp. 115-124. <https://doi.org/10.1002/acs.2571>

Couceiro, M & Lehtonen, E 2016, 'On the arity gap of finite functions: Results and applications', *Journal of Multiple-Valued Logic and Soft Computing*, vol. 27, no. 2-3, pp. 193-207.

Kowalik, L, Lauri, J & Socala, A 2016, On the Fine-Grained Complexity of Rainbow Coloring. in P Sankowski & C Zaroliagis (eds), *24th Annual European Symposium on Algorithms (ESA 2016)*. vol. 57, Leibniz International Proceedings in Informatics (LIPIcs), vol. 57, Annual European Symposium on Algorithms, 1/01/00. <https://doi.org/10.4230/LIPIcs.ESA.2016.58>

Pursiainen, S & Kaasalainen, M 2016, 'Orbiter-to-orbiter tomography: a potential approach for small solar system bodies', *IEEE Transactions on Aerospace and Electronic Systems*, vol. 52, no. 6, pp. 2747-2759. <https://doi.org/10.1109/TAES.2016.150638>

Laakso, T & Kaasalainen, M 2016, 'Poincaré inverse problem and torus construction in phase space', *Physica D: Nonlinear Phenomena*, vol. 315, pp. 72-82. <https://doi.org/10.1016/j.physd.2015.10.011>

Pohjola, J, Turunen, J, Lipping, T & Ikonen, ATK 2016, 'Probabilistic assessment of the influence of lake properties in long-term radiation doses to humans', *JOURNAL OF ENVIRONMENTAL RADIOACTIVITY*, vol. 164, pp. 258-267. <https://doi.org/10.1016/j.jenvrad.2016.08.001>

Shepard, MK, Richardson, J, Taylor, PA, Rodriguez-Ford, LA, Conrad, A, de Pater, I, Adamkovics, M, de Kleer, K, Males, JR, Morzinski, KM, Close, LM, Kaasalainen, M, Viikinkoski, M, Timerson, B, Reddy, V, Magri, C, Nolan, MC, Howell, ES, Benner, LAM, Giorgini, JD, Warner, BD & Harris, AW 2016, 'Radar observations and shape model of asteroid 16 Psyche', *Icarus*, vol. 281, pp. 388-403. <https://doi.org/10.1016/j.icarus.2016.08.011>

Ropponen, A, Lauri, M & Ritala, R 2016, Risk-averse path planning with observation options. in A Finzi & E Karpas (eds), *Proceedings of the 4th ICAPS Workshop on Planning and Robotics*. Workshop on Planning and Robotics, pp. 25-36, WORKSHOP ON PLANNING AND ROBOTICS, 1/01/00.

Humaloja, J-P, Paunonen, L & Pohjolainen, S 2016, Robust Regulation for First-Order Port-Hamiltonian Systems. in *Proceedings of the 15th European Control Conference, Aalborg, Denmark, June 29th - July 1st, 2016*. IEEE, European Control Conference, 1/01/00. <https://doi.org/10.1109/ECC.2016.7810618>

Humaloja, J-P, Paunonen, L & Pohjolainen, S 2016, Robust Regulation for Port-Hamiltonian Systems of Even Order. in *Proceedings of the 22nd International Symposium on Mathematical Theory of Networks and Systems, Minneapolis, MN, USA, July 12-15, 2016*. University of Minnesota, pp. 152-156, INTERNATIONAL SYMPOSIUM ON MATHEMATICAL THEORY OF NETWORKS AND SYSTEMS, 1/01/00.

Kovanen, T, Tarhasaari, T & Kettunen, L 2016, 'Sähkömagneettinen malli funktoreina ja luonnollisina muunnoksina', *Arkhimedes*, pp. 21-30.

Turunen, E, Raivio, K & Mantere, T 2016, Soft Computing Methods. in S Pohjolainen (ed.), *Mathematical Modelling*. Springer International Publishing, pp. 79-112. https://doi.org/10.1007/978-3-319-27836-0_6

Kaarakka, T 2016, 'Spectral density function of the Doob transformation of fractional Brownian motion (i.e. the fractional Ornstein-Uhlenbeck process)' Paper presented at Finnish Mathematical Days 2016, Turku, Finland, 7/01/16 - 8/01/16, pp. 30-31.

Valmari, A & Hansen, H 2016, Stubborn Set Intuition Explained. in L Cabac, LM Kristensen & H Rölke (eds), *Petri Nets and Software Engineering 2016: Proceedings of the International Workshop on Petri Nets and Software Engineering 2016, including the International Workshop on Biological Processes & Petri Nets 2016*. CEUR Workshop Proceedings, vol. 1591, CEUR-WS, pp. 213-232, International Workshop on Petri Nets and Software Engineering, PNSE 2016, including the International Workshop on Biological Processes and Petri Nets, BioPPN 2016, Torun, Poland, 20/06/16.

Lahtinen, V & Stenvall, A 2016, 'Towards a unified framework for decomposability of processes', *SYNTHESE*, vol. 194, no. 11, pp. 4411-4427. <https://doi.org/10.1007/s11229-016-1139-4>

Kiili, K, Devlin, K & Multisilta, J 2015, 'Editorial: is Game-Based Math Learning Finally Coming of Age?', *International Journal of Serious Games*, vol. 2, no. 4, 1.

Raitoharju, M, Ali-Löytty, S & Piché, R 2015, 'Binomial Gaussian mixture filter', *Eurasip Journal on Advances in Signal Processing*, vol. 2015, no. 1, 36. <https://doi.org/10.1186/s13634-015-0221-2>

Koivisto, M, Nurminen, H, Ali-Löytty, S & Piche, R 2015, Graph-Based Map Matching for Indoor Positioning. in *10th International Conference on Information, Communications and Signal Processing (ICICS)*. IEEE, International Conference on Information, Communications and Signal Processing, 1/01/00. <https://doi.org/10.1109/ICICS.2015.7459983>

Raitoharju, M, Nurminen, H & Piché, R 2015, 'Kalman filter with a linear state model for PDR+WLAN positioning and its application to assisting a particle filter', *Eurasip Journal on Advances in Signal Processing*, vol. 2015, no. 1, 33. <https://doi.org/10.1186/s13634-015-0216-z>

Hackenberg, J, Spiecker, H, Calders, K, Disney, M & Raunonen, P 2015, 'SimpleTree: An Efficient Open Source Tool to Build Tree Models from TLS Clouds', *Forests: Open Access Journal*, vol. 6, no. 11, pp. 4245-4294. <https://doi.org/10.3390/f6114245>

Kaarakka, T 2015, *Fractional Ornstein-Uhlenbeck Processes*. Tampere University of Technology. Publication, vol. 1338, Tampere University of Technology.

Pursiainen, S, Bauer, M, Vorwerk, J, Köstler, H & Wolters, CH 2015, 'Comparison Study for Whitney (Raviart-Thomas) Type Source Models in Finite Element Method Based EEG Forward Modeling', *IEEE Transactions on Biomedical Engineering*, vol. 62, no. 11, pp. 2648-2656. <https://doi.org/10.1109/TBME.2015.2439282>

Mäkelä, A-M, Ali-Löytty, SS, Kauhanen, JP & Joutsenlahti, J 2015, 'Moodlen työpaja: Vertaisarviointi osana opetusta matematiikan ensimmäisellä peruskurssilla' Paper presented at MATEMATIIKAN, LUONNONTIETEEN JA TEKNOLOGIAN OPETUKSEN TUTKIMUKSEN PÄIVÄT, 1/01/00, pp. 15-15.

Kartasalo, K, Polonen, R-P, Ojala, M, Rasku, J, Lekkala, J, Aalto-Setälä, K & Kallio, P 2015, 'CytoSpectre: A tool for spectral analysis of oriented structures on cellular and subcellular levels', *BMC Bioinformatics*, vol. 16, no. 1, 344. <https://doi.org/10.1186/s12859-015-0782-y>

Nurminen, H, Ardeshiri, T, Piche, R & Gustafsson, F 2015, A NLOS-robust TOA positioning filter based on a skew-t measurement noise model. in *2015 International Conference on Indoor Positioning and Indoor Navigation (IPIN)*. IEEE, pp. 1-7, International Conference on Indoor Positioning and Indoor Navigation, 1/01/00. <https://doi.org/10.1109/IPIN.2015.7346786>

Paunonen, L & Laakkonen, P 2015, 'Polynomial Input-Output Stability for Linear Systems', *IEEE Transactions on Automatic Control*, vol. 60, no. 10, pp. 2797-2802. <https://doi.org/10.1109/TAC.2015.2398890>

Viikinkoski, M, Kaasalainen, M, Durech, J, Carry, B, Marsset, M, Fusco, T, Dumas, C, Merline, WJ, Yang, B, Berthier, J, Kervella, P & Vernazza, P 2015, 'VLT/SPHERE- and ALMA-based shape reconstruction of asteroid (3) Juno', *Astronomy and Astrophysics*, vol. 581, L3. <https://doi.org/10.1051/0004-6361/201526626>

Valmari, A 2015, Stop It, and Be Stubborn! in S Haar & R Meyer (eds), *Application of Concurrency to System Design (ACSD): 2015 15th International Conference on ..*, IEEE Computer Society, pp. 10-19, Application of Concurrency to System Design, 1/01/00. <https://doi.org/10.1109/ACSD.2015.14>

Ala-Luhtala, J, Särkkä, S & Piche, R 2015, 'Gaussian filtering and variational approximations for Bayesian smoothing in continuous-discrete stochastic dynamic systems', *Signal Processing*, vol. 111, pp. 124-136. <https://doi.org/10.1016/j.sigpro.2014.12.013>

Eriksson, S-L & Orelma, H 2015, 'Fundamental solution of k-hyperbolic harmonic functions in odd spaces', *Journal of Physics: Conference Series*, vol. 597, no. 1, 012034. <https://doi.org/10.1088/1742-6596/597/1/012034>

Viikinkoski, M, Kaasalainen, M & Durech, J 2015, 'ADAM: A general method for using various data types in asteroid reconstruction', *Astronomy and Astrophysics*, vol. 576, A8. <https://doi.org/10.1051/0004-6361/201425259>

Pyrhönen, V-P & Koivisto, H 2015, On improvement of transient stage of composite nonlinear feedback control using arbitrary order set point filters. in *2014 IEEE International Conference on Control System, Computing and Engineering (ICCSCE)*. Institute of Electrical and Electronics Engineers IEEE, pp. 147 - 152 , IEEE international conference on control system, computing and engineering, 1/01/00. <https://doi.org/10.1109/ICCSCE.2014.7072705>

Pyrhönen, V-P & Koivisto, H 2015, Composite Nonlinear Feedback Control of a Chemical Reactor. in *Proceedings of AutomaatioXXI, The Industrial Revolution of Internet – From Intelligent Devices to Networked Intelligence*. SAS julkaisusarja, vol. 44, Suomen Automaatioseura ry, Helsinki, Finland, Automaatioseminaari, Finland, 1/01/80.

Eriksson, S-L & Viro, E 2015, 'Projektioppiminen: lähtökohtana ympäröivä maailma', *LUMA-sanomat*.

Eriksson, S-L, Haukanen, P, Hukka, TI & Lemmetyinen, H 2015, 'Tampereen matemaattisten aineiden aineenopettajakoulutus', *Lumat*, vol. 3, no. 6, pp. 800-807.

Eriksson, S-L, Orelma, H & Vuojamo, V 2015, Generalized hyperbolic harmonic functions in the plane. in *Proceedings of the International Conference on Numerical Analysis and Applied Mathematics 2014 (ICNAAM-2014)*. vol. 1648, 440007, American Institute of Physics Inc., International Conference of Numerical Analysis and Applied Mathematics, Greece, 1/01/00. <https://doi.org/10.1063/1.4912658>

Potapov, I, Zhurov, B & Volkov, E 2015, 'Multi-stable dynamics of the non-adiabatic repressilator', *Journal of the Royal Society. Interface*, vol. 12, no. 104, 20141315. <https://doi.org/10.1098/rsif.2014.1315>

- Paunonen, L 2015, 'Designing controllers with reduced order internal models', *IEEE Transactions on Automatic Control*, vol. 60, no. 3, 6826480, pp. 775-780. <https://doi.org/10.1109/TAC.2014.2329212>
- Rivero Rodriguez, A, Leppäkoski, H & Piché, R 2015, Semantic Labeling of Places based on Phone Usage Features using Supervised Learning. in *2014 Ubiquitous Positioning Indoor Navigation and Location Based Service, UPINLBS 2014 - Conference Proceedings.*, 7033715, IEEE, Piscataway, NJ, USA, pp. 97-102, Ubiquitous Positioning, Indoor Navigation and Location-Based Service, 1/01/15. <https://doi.org/10.1109/UPINLBS.2014.7033715>
- Foldes, S, Horváth, EK, Radeleczi, S & Waldhauser, T 2015, 'A general framework for island systems', *Acta Universitatis Szegediensis: Acta Scientiarum Mathematicarum*, vol. 81, no. 1-2, pp. 3-24. <https://doi.org/10.14232/actasm-013-279-7>
- Åkerblom, M, Raunonen, P, Kaasalainen, M & Casella, E 2015, 'Analysis of geometric primitives in quantitative structure models of tree stems', *Remote Sensing*, vol. 7, no. 4, pp. 4581-4603. <https://doi.org/10.3390/rs70404581>
- Devillers, R & Valmari, A (eds) 2015, *Application and Theory of Petri Nets and Concurrency: 36th International Conference, PETRI NETS 2015 Brussels, Belgium, June 21-26, 2015 Proceedings*. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 9115, vol. 9115, Springer Verlag. <https://doi.org/10.1007/978-3-319-19488-2>
- Lau Sarmiento, A, Bartholomeus, H, Herold, M, Martius, C, Malhi, Y, Patrick Bentley, L, Shenkin, A & Raunonen, P 2015, Application of terrestrial LiDAR and modelling of tree branching structure for plant- scaling models in tropical forest trees. in *Proceedings of SilviLaser 2015: 14th conference on Lidar Applications for Assessing and Managing Forest Ecosystems*. pp. 96-98, SilviLaser 2015: 14th conference on Lidar Applications for Assessing and Managing Forest Ecosystems, La Grande Motte, France, 28/09/15.
- Huhtamäki, J, Lasrado, L, Menon, K, Kärkkäinen, H & Jussila, J 2015, Approach for Investigating Crowdfunding Campaigns with Platform Data: Case Indiegogo. in *Academic MindTrek'15: September 22-24, 2015, Tampere, Finland*. ACM, Mindtrek Conference, 1/01/00. <https://doi.org/10.1145/2818187.2818289>
- Gómez-Herrero, G, Wu, W, Rutanen, K, Soriano, MC, Pipa, G & Vicente, R 2015, 'Assessing coupling dynamics from an ensemble of time series', *Entropy*, vol. 17, no. 4, pp. 1958-1970. <https://doi.org/10.3390/e17041958>
- Ďurech, J, Carry, B, Delbo, M, Kaasalainen, M & Viikinkoski, M 2015, Asteroid Models from Multiple Data Sources. in P Michel, FE DeMeo & WF Bottke Jr. (eds), *Asteroids IV*. UNIVERSITY OF ARIZONA PRESS, Tucson, pp. 183-202. https://doi.org/10.2458/azu_uapress_9780816532131-ch010
- Björklund, A, Kaski, P, Kowalik, Ł & Lauri, J 2015, Engineering motif search for large graphs. in *2015 Proceedings of the Seventeenth Workshop on Algorithm Engineering and Experiments (ALENEX)*. Workshop on Algorithm Engineering and Experiments, pp. 104-118, Workshop on Algorithm Engineering and Experiments, 1/01/00. <https://doi.org/10.1137/1.9781611973754.10>
- Eriksson, S-LA 2015, Equal Opportunities in Education of Science, Mathematics and Technology. in J Laurinkari & M Tarvanen (eds), *The Proceedings of International Symposium Justice and Solidarity: The European Utopia in a Globalising Era, Kuopio 2.-3. September 2014*. International Symposium on Justice and Solidarity, Finland, 2/09/14.
- Laakkonen, P & Pohjolainen, S 2015, 'Frequency domain robust regulation of signals generated by an infinite-dimensional exosystem', *SIAM Journal on Control and Optimization*, vol. 53, no. 1, pp. 139-166. <https://doi.org/10.1137/130950057>
- Turunen, E & Navara, M 2015, Infinitesimals and Pavelka logic. in JM Alonso, H Bustince & M Reformat (eds), *PROCEEDINGS OF THE 2015 CONFERENCE OF THE INTERNATIONAL FUZZY SYSTEMS ASSOCIATION AND THE EUROPEAN SOCIETY FOR FUZZY LOGIC AND TECHNOLOGY*. Advances in Intelligent Systems Research, vol. 89, Atlantis Press, PARIS, pp. 1027-1033, Conference of the European Society for Fuzzy Logic and Technology, 1/01/00. <https://doi.org/10.2991/ifsa-eusflat-15.2015.145>

Raunonen, P, Casella, E, Calders, K, Murphy, S, Åkerblom, M & Kaasalainen, M 2015, Massive-Scale Tree Modelling from TLS Data. in U Stilla & C Heipke (eds), *ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences*. vol. II-3/W4, International Archives of the Photogrammetry Remote Sensing and Spatial Information Sciences, vol. 43, COPERNICUS GESELLSCHAFT MBH, GOTTINGEN, pp. 189-196, Joint ISPRS Conference on Photogrammetric Image Analysis (PIA) and High Resolution Earth Imaging for Geospatial Information (HRIGI), Germany, 25/03/15. <https://doi.org/10.5194/isprsannals-II-3-W4-189-2015>

Nurminen, H, Koivisto, M, Ali-Löytty, S & Piche, R 2015, Motion Model for Positioning with Graph-Based Indoor Map. in *2014 International Conference on Indoor Positioning and Indoor Navigation (IPIN), 27-30 Oct. 2014, Busan, South Korea*. IEEE, Piscataway, NJ, pp. 646-655, International Conference on Indoor Positioning and Indoor Navigation, 1/01/00. <https://doi.org/10.1109/IPIN.2014.7275539>

Still, K, Huhtamäki, J & Russell, MG 2015, 'New Insights for Relational Capital', *Electronic Journal of Knowledge Management*, vol. 13, no. 1, pp. 167-182.

Calders, K, Newnham, G, Burt, A, Murphy, S, Raunonen, P, Herold, M, Culvenor, D, Avitabile, V, Disney, M, Armston, J & Kaasalainen, M 2015, 'Nondestructive estimates of above-ground biomass using terrestrial laser scanning', *Methods in Ecology and Evolution*, vol. 6, no. 2, pp. 198-208. <https://doi.org/10.1111/2041-210X.12301>

Valmari, A 2015, 'On constructibility and unconstructibility of LTS operators from other LTS operators', *Acta Informatica*, vol. 52, no. 2-3, pp. 207-234. <https://doi.org/10.1007/s00236-015-0217-2>

Paunonen, L 2015, On Robustness of Strongly Stable Semigroups with Spectrum on $i\mathbb{R}$. in J Banasiak, A Bobrowski & M Lachowicz (eds), *Semigroups of Operators -Theory and Applications: Będlewo, Poland, October 2013*. Springer Proceedings in Mathematics & Statistics, vol. 113, Springer International Publishing, pp. 105-121, Semigroups of Operators: Theory and Applications Conference, October 6-11, 2013, Będlewo, Poland, 1/01/13. <https://doi.org/10.1007/978-3-319-12145-1>

Paunonen, L 2015, On Robust Output Regulation for Continuous-Time Periodic Systems. in *2015 Proceedings of the SIAM Conference on Control and its Applications*. SIAM, Society for Industrial and Applied Mathematics, SIAM Conference on Control and Its Applications, Paris, France, 1/01/00. <https://doi.org/10.1137/1.9781611974072.7>

Huhtamäki, J, Russell, MG, Rubens, N & Still, K 2015, Ostinato: The Exploration-Automation Cycle of User-Centric, Process-Automated Data-Driven Visual Network Analytics. in SA Matei, MG Russell & E Bertino (eds), *Transparency in Social Media: Tools, Methods and Algorithms for Mediating Online Interactions*. Computational Social Science, Springer International Publishing, pp. 197-222. <https://doi.org/10.1007/978-3-319-18552-1>

Turunen, E & Navara, M 2015, 'Perfect Pavelka Logic', *Fuzzy Sets and Systems*. <https://doi.org/10.1016/j.fss.2014.06.011>

Gibson-Robinson, T, Hansen, H, Roscoe, AW & Wang, X 2015, Practical Partial Order Reduction for CSP. in *Nasa Formal Methods: 7th International Symposium, NFM 2015, Pasadena, CA, USA, April 27-29, 2015, Proceedings*. vol. 9058, Lecture Notes in Computer Science, vol. 9058, Springer International Publishing, pp. 188-203, NASA Formal Methods Symposium, United States, 6/04/09. https://doi.org/10.1007/978-3-319-17524-9_14

Viro, E & Eriksson, S-L 2015, 'Projektioppiminen yläkoulun matematiikassa', *Lumat*, vol. 3, no. 7, pp. 1005-1009.

Raunonen, PA 2015, Quantitative structure tree models from terrestrial laser scanner data. in *Proceedings of SilviLaser 2015: 14th conference on Lidar Applications for Assessing and Managing Forest Ecosystems*. pp. 32-34, International Conference on LiDAR Applications for Assessing Forest Ecosystem, 1/01/00.

Calders, K, Burt, A, Newnham, G, Disney, M, Murphy, S, Raunonen, P, Herold, M, Culvenor, D, Armston, J, Avitabile, V & Kaasalainen, M 2015, Reducing uncertainties in above-ground biomass estimates using terrestrial laser scanning. in *Proceedings of SilviLaser 2015: 14th conference on Lidar Applications for Assessing and Managing Forest Ecosystems*. pp. 197-199, International Conference on LiDAR Applications for Assessing Forest Ecosystem, 1/01/00.

Paunonen, L 2015, 'Robustness of strong stability of discrete semigroups', *Systems and Control Letters*, vol. 75, pp. 35-40. <https://doi.org/10.1016/j.sysconle.2014.11.004>

Laakkonen, P & Quadrat, A 2015, Robust Regulation of SISO Systems: The Fractional Ideal Approach. in *Proceedings of the SIAM Conference on Control and Its Applications (CT15)*. SIAM, Society for Industrial and Applied Mathematics, pp. 311-318, SIAM Conference on Control and Its Applications, Paris, France, 1/01/00. <https://doi.org/10.1137/1.9781611974072.43>

Laakkonen, P 2015, 'Robust Regulation Theory for Transfer Functions With a Coprime Factorization', *IEEE Transactions on Automatic Control*. <https://doi.org/10.1109/TAC.2015.2497898>

Ojala, P, Saarenrinne, P, Miettinen, J, Multanen, P, Kiilunen, J, Hietala, J-P, Kolu, A, Pippola, J, Mostofizadeh, M & Ylönen, M 2015, 'Simulointi nopeuttaa käyttöiän määrittystä', *Promaint*, vol. 2, pp. 24-27.

Foldes, S 2015, 'Some Ring Theory from Jenő Szegedy', *Miskolc Mathematical Notes*, vol. 16, no. 1, pp. 115-121.

Gonzalez de Tanago, J, Bartholomeus, H, Joseph, S, Herold, M, Avitabile, V, Goodman, R, Raunonen, P & Burt, A 2015, Terrestrial LiDAR and 3D tree Quantitative Structure Model for quantification of aboveground biomass loss from selective logging in a tropical rainforest of Peru. in *Proceedings of SilviLaser 2015: 14th conference on Lidar Applications for Assessing and Managing Forest Ecosystems*. pp. 119-121, International Conference on LiDAR Applications for Assessing Forest Ecosystem, 1/01/00.

Calders, K, Disney, M, Nightingale, J, Origo, N, Barker, A, Raunonen, PA, Lewis, P, Burt, A, Brennan, J & Fox, N 2015, Traceability of essential climate variables through forest stand reconstruction with terrestrial laser scanning. in *Proceedings of SilviLaser 2015: 14th conference on Lidar Applications for Assessing and Managing Forest Ecosystems*. pp. 122-124, SilviLaser 2015: 14th conference on Lidar Applications for Assessing and Managing Forest Ecosystems, La Grande Motte, France, 28/09/15.

Kiili, K, Devlin, K, Perttula, A, Tuomi, S & Lindstedt, A 2015, 'Using video games to combine learning and assessment in mathematics education', *International Journal of Serious Games*, vol. 2, no. 4. <https://doi.org/10.17083/ijsg.v2i4.98>

Laarman, A, Pater, E, Van de Pol, J & Hansen, H 2014, 'Guard-based Partial Order Reduction', *International Journal on Software Tools for Technology Transfer*, vol. 18, no. 4, pp. 427-448. <https://doi.org/10.1007/s10009-014-0363-9>

Muller, P, Wymeersch, H & Piche, R 2014, 'UWB Positioning with Generalized Gaussian Mixture Filters', *IEEE Transactions on Mobile Computing*, vol. 13, no. 10, pp. 2406-2414. <https://doi.org/10.1109/TMC.2014.2307301>

Ruusuvuori, P, Paavolainen, L, Rutanen, K, Maki, A, Huttunen, H & Marjomaki, V 2014, 'Quantitative Analysis of Dynamic Association in Live Biological Fluorescent Samples', *PLoS ONE*, vol. 9, no. 4, 94245. <https://doi.org/10.1371/journal.pone.0094245>

Maijala, P 2014, *A Measurement-based Statistical Model to Evaluate Uncertainty in Long-range Noise Assessments*. VTT Science, vol. 48, VTT.

Åkerblom, M (ed.) 2014, *20th Inverse Days 2014, Tampere 9th-11th December 2014: Abstracts*. Tampere University of Technology. Department of Mathematics. Research Report, vol. 101, Tampere University of Technology, Department of Mathematics.

Hansen, H & Timmer, M 2014, 'A comparison of confluence and ample sets in probabilistic and non-probabilistic branching time', *Theoretical Computer Science*, vol. 528, pp. 103-123. <https://doi.org/10.1016/j.tcs.2013.07.014>

Chen, L, Piche, R, Kuusniemi, H & Chen, R 2014, 'Adaptive mobile tracking in unknown non-line-of-sight conditions with application to digital TV networks', *Eurasip Journal on Advances in Signal Processing*, vol. 2014, UNSP 22. <https://doi.org/10.1186/1687-6180-2014-22>

Muller, P, Raitoharju, M & Piche, R 2014, A field test of parametric WLAN-fingerprint-positioning methods. in *17th International Conference on Information Fusion (FUSION), 7-10 July 2014, Salamanca, Spain*. Institute of Electrical and Electronics Engineers, Piscataway, pp. 1-8, International conference on information fusion, 1/01/14.

Piche, R & Koivisto, M 2014, A method to enforce map constraints in a particle filter's position estimate. in *2014 11th Workshop on Positioning, Navigation and Communication (WPNC), 12-13 March 2014, Dresden, Germany*. IEEE, WORKSHOP ON POSITIONING, NAVIGATION AND COMMUNICATION, 1/01/00. <https://doi.org/10.1109/WPNC.2014.6843284>

Turunen, E 2014, 'An algebraic study of Peterson's Intermediate Syllogisms', *Soft Computing*, pp. 1-14. <https://doi.org/10.1007/s00500-013-1216-2>

Paunonen, L & Pohjolainen, S 2014, A New Controller Structure for Robust Output Regulation. in *Proceedings of the 53rd IEEE Conference on Decision and Control, IEEE CDC 2014, 15-17 December, 2014, Los Angeles, CA, USA*. IEEE Conference on Decision and Control, IEEE, pp. 4721-4726, IEEE Conference on Decision and Control, 1/01/14.

Rodriguez, JT, Turunen, E, Ruan, D & Montero, J 2014, 'Another paraconsistent algebraic semantics for Lukasiewicz-Pavelka logic', *Fuzzy Sets and Systems*, vol. 242, pp. 132-147. <https://doi.org/10.1016/j.fss.2013.06.011>

Virtanen, S, Penttinen, J-P, Kiiski, M & Jokinen, J 2014, Application of Design Review to Probabilistic Risk Assessment in a Large Investment Project. in *Proceedings of the Probabilistic Safety Assessment and Management PSAM12, June 2014, Honolulu, Hawaii*. pp. 1-12.

Zhang, X & Piche, R 2014, Application of Hill-Clohesy-Wiltshire Equation in GNSS Orbit Prediction. in J Nurmi, L Ruotsalainen, E-S Lohan, J Salcedo & S Thombre (eds), *Proceedings of 2014 International Conference on Localization and GNSS (ICL-GNSS), Helsinki, Finland, June 24-26, 2014*. IEEE, Piscataway, pp. 1-6, International Conference on Localization and GNSS, 1/01/00. <https://doi.org/10.1109/ICL-GNSS.2014.6934162>

Valmari, A 2014, 'A Simple Character String Proof of the "True but Unprovable" Version of Gödel's First Incompleteness Theorem', *Electronic Proceedings in Theoretical Computer Science*, vol. 151, 25, pp. 355-369. <https://doi.org/10.4204/EPTCS.151.25>

Eriksson, S-L & Vainio, J 2014, 'Bagdad - matematiikkaa täältä ikuisuuteen matematiikanäyttely', *Lumat*, vol. 2, no. 1, pp. 17-46.

Nurminen, H 2014, Bayesian Methods for Hybrid Indoor Positioning. in *IPIN 2014 - 5th International Conference on Indoor Positioning and Indoor Navigation, 27th - 30th October, 2014, Busan, South Korea*. International Conference on Indoor Positioning and Indoor Navigation, 1/01/00.

Kaasalainen, S, Krooks, A, Liski, J, Raunonen, P, Kaartinen, H, Kaasalainen, M, Puttonen, E, Anttila, K & Mäkipää, R 2014, 'Change Detection of Tree Biomass with Terrestrial Laser Scanning and Quantitative Structure Modelling', *Remote Sensing*, vol. 6, no. 5, pp. 3906-3922. <https://doi.org/10.3390/rs6053906>

Major, L 2014, *Combinational Studies of Vectors and Sequences*. Tampere University of Technology. Publication, vol. 1220, Tampere University of Technology, Tampere.

Pursiainen, S & Kaasalainen, M 2014, 'Detection of anomalies in radio tomography of asteroids: source count and forward errors', *Planetary and Space Science*, vol. 99, pp. 36-47. <https://doi.org/10.1016/j.pss.2014.04.017>

Ivanov, P, Ali-Löytty, S & Piche, R 2014, Evaluating the Consistency of Estimation. in *Proceedings of 2014 International Conference on Localization and GNSS (ICL-GNSS), Helsinki, Finland, June 24-26, 2014*. IEEE, Piscataway, International Conference on Localization and GNSS, 1/01/00. <https://doi.org/10.1109/ICL-GNSS.2014.6934171>

Ala-Luhtala, J & Piche, R 2014, 'Gaussian Scale Mixture Models For Robust Linear Multivariate Regression With Missing Data', *Communications in Statistics: Simulation and Computation*. <https://doi.org/10.1080/03610918.2013.875565>

Liski, J, Kaasalainen, S, Raunonen, P, Akujärvi, A, Krooks, A, Repo, A & Kaasalainen, M 2014, 'Indirect Emissions of Forest Bioenergy: Detailed Modelling of Stump-Root Systems', *Global Change Biology Bioenergy*, vol. 6, no. 6, pp. 777-784. <https://doi.org/10.1111/gcbb.12091>

Eriksson, S-L, Orelma, H & Nelson, V 2014, Integral Formulas for k-hypermonogenic Functions in R3. in *Hypercomplex Analysis: New Perspectives and Applications*. Trends in Mathematics, Springer, pp. 119-132. https://doi.org/10.1007/978-3-319-08771-9_8

Medina, J, Turunen, E, Bartl, E & Diaz-Moreno, JC 2014, Minimal Solutions of Fuzzy Relation Equations with General Operators on the Unit Interval. in *Information Processing and Management of Uncertainty in Knowledge-Based Systems. 15th International Conference, IPMU 2014, Montpellier, France, July 15-19, 2014, Proceedings, Part III. Communications in Computer and Information Science*. Communications in Computer and Information Science, vol. 444, Springer International Publishing, pp. 81-90, International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems, 1/01/14. https://doi.org/10.1007/978-3-319-08852-5_9

Janka, M, Raunonen, P, Tuukkanen, S & Lupo, D 2014, Modelling of Joule heating based self-alignment method for metal grid line passivation. in *2013 MRS Fall Meeting - Symposium M - Large-Area Processing and Patterning for Active Optical and Electronic Devices*. MATERIALS RESEARCH SOCIETY, Materials Research Society Symposium, 1/01/00. <https://doi.org/10.1557/opl.2014.127>

Jussila, J, Kärkkäinen, H, Kortelainen, S, Huhtamäki, J, Aho, T & Tebest, T 2014, New era of Business Analytics - Making sense of business ecosystems. in A Lugmayr, H Franssila & J Paavilainen (eds), *Academic MindTrek Conference 2014, Tampere, Finland, November 4-6, 2014*. MindTrek Conference, ACM, New York, NY, pp. 276-278, Mindtrek Conference, 1/01/00. <https://doi.org/10.1145/2676467.2676517>

Valmari, A & Hansen, H 2014, 'Old and New Algorithms for Minimal Coverability Sets', *Fundamenta Informaticae*, vol. 131, no. 1, pp. 1-25. <https://doi.org/10.3233/FI-2014-1002>

Särkkä, S & Piche, R 2014, On Convergence and Accuracy of State-Space Approximations of Squared Exponential Covariance Functions. in *2014 IEEE International Workshop on Machine Learning for Signal Processing (MLSP), September 21-24, 2014, Reims, France*. Institute of Electrical and Electronics Engineers, Piscataway, pp. 1-6, IEEE INTERNATIONAL WORKSHOP ON MACHINE LEARNING FOR SIGNAL PROCESSING, 1/01/00. <https://doi.org/10.1109/MLSP.2014.6958890>

Paunonen, L & Laakkonen, P 2014, On polynomial stability of linear systems. in *21st International Symposium on Mathematical Theory of Networks and Systems, MTNS 2014, July 7-11, 2014, Groningen, the Netherlands*. International Symposium on Mathematical Theory of Networks and Systems, University of Groningen, Groningen, the Netherlands, pp. 233-238, International Symposium on Mathematical Theory of Networks and Systems, 1/01/14.

Hämäläinen, T & Pohjolainen, S 2014, On the Structure of Robust Controllers for Infinite-Dimensional Systems. in *21st International Symposium on Mathematical Theory of Networks and Systems, MTNS 2014, July 7-11, 2014, Groningen, The Netherlands*. University of Groningen, Groningen, the Netherlands, pp. 938-941.

Eriksson, S-L & Orelma, H 2014, 'On Vekua Systems and Their Connections to Hyperbolic Function Theory in the Plane', *Advances in Applied Clifford Algebras*, vol. 24, no. 4, pp. 1027-1038. <https://doi.org/10.1007/s00006-014-0507-8>

Wirola, L, Laine, T, Raitoharju, M & Sirola, N 2014, *Optimal storage scheme for access point coverage data*, Patent No. Pat. US 8 816 908 B2.

- Janka, M, Saukko, E, Raunonen, P & Lupo, D 2014, 'Optimization of large-area OLED current distribution grids with self-aligned passivation', *Organic Electronics*, vol. 15, no. 12, pp. 3431-3438. <https://doi.org/10.1016/j.orgel.2014.09.028>
- Paunonen, L 2014, 'Polynomial stability of semigroups generated by operator matrices', *Journal of Evolution Equations*, vol. 14, no. 4, pp. 885-911. <https://doi.org/10.1007/s00028-014-0243-5>
- Krooks, A, Kaasalainen, S, Kankare, V, Joensuu, M, Raunonen, P & Kaasalainen, M 2014, 'Predicting tree structure from tree height using terrestrial laser scanning and quantitative structure models', *Silva Fennica*, vol. 48, no. 2, 1125, pp. 1-11. <https://doi.org/10.14214/sf.1125>
- Paunonen, L & Pohjolainen, S 2014, 'Robust controller design for infinite-dimensional exosystems', *International Journal of Robust and Nonlinear Control*, vol. 24, no. 5, pp. 825-858. <https://doi.org/10.1002/rnc.2920>
- Laakkonen, P & Pohjolainen, S 2014, Robustness of Controllers for SISO-Plants and Signals Generated by an Infinite-Dimensional Exosystem. in *19th International Conference on Methods and Models in Automation and Robotics, MMAR 2014, Miedzyzdroje, Poland, September 2-5, 2014*. International conference on methods and models in automation and robotics, IEEE, pp. 538-543, International conference on methods and models in automation and robotics, 1/01/14. <https://doi.org/10.1109/MMAR.2014.6957411>
- Paunonen, L 2014, 'Robustness of strong stability of semigroups', *Journal of Differential Equations*, vol. 257, no. 12, pp. 4403-4436. <https://doi.org/10.1016/j.jde.2014.08.011>
- Viikinkoski, M & Kaasalainen, M 2014, 'Shape reconstruction from images: Pixel fields and Fourier transform', *Inverse Problems and Imaging*, vol. 8, no. 3, pp. 885-900. <https://doi.org/10.3934/ipi.2014.8.885>
- Pursiainen, S & Kaasalainen, M 2014, 'Sparse source travel-time tomography of a laboratory target: accuracy and robustness of anomaly detection', *Inverse Problems*, vol. 30, no. 11, 114016, pp. 1-19. <https://doi.org/10.1088/0266-5611/30/11/114016>
- Kaasalainen, M 2014, 'Taivaalliset projektiot: terapiaa inversio-ongelmallisille', *Arkhimedes*, no. 4, pp. 25-31.
- Foldes, S & Major, L 2014, 'The Cauchy-Schwarz inequality in Cayley graph and tournament structures on finite fields', *Miskolc Mathematical Notes*, vol. 15, no. 1, pp. 153-158.
- Paunonen, L & Pohjolainen, S 2014, 'The Internal Model Principle for Systems with Unbounded Control and Observation', *SIAM Journal on Control and Optimization*, vol. 52, no. 6, pp. 3967-4000. <https://doi.org/10.1137/130921362>
- Marchis, F, Durech, J, Castillo-Rogez, J, Vachier, F, Cuk, M, Berthier, J, Wong, MH, Kalas, P, Duchene, G, Van Dam, MA, Hamanowa, H & Viikinkoski, M 2014, 'The puzzling mutual orbit of the binary Trojan asteroid (624) Hektor', *Astrophysical Journal Letters*, vol. 783, no. 2. <https://doi.org/10.1088/2041-8205/783/2/L37>
- Paunonen, L 2014, 'The Role of Exosystems in Output Regulation', *IEEE Transactions on Automatic Control*, vol. 59, no. 8, pp. 2301-2305. <https://doi.org/10.1109/TAC.2014.2303214>
- Smith, A, Astrup, R, Raunonen, P, Liski, J, Krooks, A, Kaasalainen, S, Åkerblom, M & Kaasalainen, M 2014, 'Tree Root System Characterization and Volume Estimation by Terrestrial Laser Scanning and Quantitative Structure Modeling', *Forests: Open Access Journal*, vol. 5, pp. 3274-3294. <https://doi.org/10.3390/f5123274>
- Aramo-Immonen, H, Jussila, J & Huhtamäki, J 2014, Visualizing informal learning behavior from conference participants Twitter data. in G-P Francisco Jose (ed.), *Second International Conference on Technological Ecosystems for Enhancing Multiculturality, TEEM 2014, Salamanca, Spain, October 1-3, 2014*. International Conference on Technological Ecosystems for Enhancing Multiculturality, ACM, New York, NY, pp. 603-610, International Conference on Technological Ecosystems for Enhancing Multiculturality, 1/01/14. <https://doi.org/10.1145/2669711.2669962>

Jussila, J, Huhtamäki, J, Henttonen, K, Kärkkäinen, H & Still, K 2014, Visual network analysis of Twitter data for co-organizing conferences: case CMAD 2013. in *47th Hawaii International Conference on System Sciences, HICSS 2014, 6.-9.1.2014, Waikoloa, HI*. Annual Hawaii International Conference on System Sciences, Computer Society Press, pp. 1474-1483, Annual Hawaii International Conference on System Sciences, 1/01/00. <https://doi.org/10.1109/HICSS.2014.190>

Laakkonen, P 2013, *Robust Regulation for Infinite-Dimensional Systems and Signals in the Frequency Domain*. Tampere University of Technology. Publication, vol. 1166, Tampere University of Technology, Tampere.

Eriksson, S-L 2013, 'A Hyperbolic Dirac Operator and its Kernels', *Complex Variables and Elliptic Equations*, vol. 58, no. 6, pp. 767-781. <https://doi.org/10.1080/17476933.2011.620096>

Raitoharju, M, Nurminen, H & Piche, R 2013, A linear state model for PDR+WLAN positioning. in A Morawiec & J Hinderscheit (eds), *Proceedings of the 2013 Conference on Design and Architectures for Signal and Image Processing DASIP Cagliari, Italy, October 8-10, 2013*. Conference on Design and Architectures for Signal and Image Processing, European Electronic Chips & Systems Design Initiative (ECSI), Belmont France, pp. 113-118.

Paunonen, L & Zwart, H 2013, 'A Lyapunov approach to strong stability of semigroups', *Systems and Control Letters*, vol. 62, no. 8, pp. 673-678. <https://doi.org/10.1016/j.sysconle.2013.05.001>

Kaleva, O & Kauhanen, J 2013, 'A note on compactness in a fuzzy metric space', *Fuzzy Sets and Systems*, pp. 135-139. <https://doi.org/10.1016/j.fss.2013.05.014>

Foldes, S & Woodroffe, R 2013, 'Antichain Cutsets of Strongly Connected Posets', *Order: A Journal on the Theory of Ordered Sets and Its Applications*, vol. 30, no. 2, pp. 351-361. <https://doi.org/10.1007/s11083-012-9248-2>

Wirola, L, Wirola, L & Piche, R 2013, Bandwidth and Storage Reduction of Radio Maps for Offline WLAN Positioning. in *International Conference on Indoor Positioning and Indoor Navigation, IPIN 2013, 28-31 Oct 2013, Montbéliard-Belfort, France*. International Conference on Indoor Positioning and Indoor Navigation, IEEE, Piscataway, NJ, pp. 665-673.

Piche, R, Järvenpää, M, Turunen, E & Simunek, M 2013, 'Bayesian analysis of GUHA hypotheses', *Journal of Intelligent Information Systems*, vol. 42, no. 1, pp. 47-73. <https://doi.org/10.1007/s10844-013-0255-6>

Kaasalainen, M, Potapov, I, Raunonen, P, Åkerblom, M, Sievänen, R & Kaasalainen, S 2013, Bayes trees and forests: combining precise empirical and theoretical tree models. in R Sievänen, E Nikinmaa, C Godin, A Lintunen & P Nygren (eds), *7th International Conference on Functional-Structural Plant Models, FSPM2013, FSPM2013, 9.-14.6.2013, Saariselkä, Finland*. International Conference on Functional-Structural Plant Models, Finnish Society of Forest Science; Finnish Forest Research Institute; University of Helsinki, Vantaa, pp. 61-63.

Laakso, T & Kaasalainen, M 2013, 'Canonical methods of constructing invariant tori by phase-space sampling', *Physica D: Nonlinear Phenomena*, vol. 243, no. 1, pp. 14-19. <https://doi.org/10.1016/j.physd.2012.09.010>

Salonen, J, Huhtamäki, J & Nykänen, O 2013, Challenges in Heterogeneous Web Data Analytics - Case Finnish Growth Companies in Social Media. in *17th International Academic MindTrek Conference, October 1-4, 2013, Tampere, Finland*. MindTrek Conference, ACM, pp. 131-138. <https://doi.org/10.1145/2523429.2523481>

Kaasalainen, M & Nortunen, H 2013, 'Compact YORP formulation and stability analysis', *Astronomy and Astrophysics*, vol. 558, A104, pp. 1-8. <https://doi.org/10.1051/0004-6361/201322221>

Nykänen, O 2013, Datamap Visualization Technique for Interactively Visualizing Large Datasets. in A Lugmayr, H Franssila, H Kärkkäinen & J Paavilainen (eds), *17th International Academic MindTrek Conference, October 1-4, 2013, Tampere, Finland*. MindTrek Conference, ACM, pp. 52-58. <https://doi.org/10.1145/2523429.2523458>

Laoudias, C, Piche, R & Panayiotou, CG 2013, 'Device self-calibration in location systems using signal strength histograms', *Journal of Location Based Services*, vol. 7, no. 3, pp. 165-181. <https://doi.org/10.1080/17489725.2013.816792>

Calders, K, Newnham, G, Herold, M, Murphy, S, Culvenor, D, Raunonen, P, Burt, A, Armston, J, Avitabile, V & Disney, M 2013, Estimating Above Ground Biomass from Terrestrial Laser Scanning in Australian Eucalypt Open Forest. in *13th International Conference on LiDAR Applications for Assessing Forest Ecosystems, SilviLaser 2013, 9.-11.10.2013, Beijing, China*. International Conference on LiDAR Applications for Assessing Forest Ecosystems, Silvilaser Beijing 2013, Beijing, China, pp. 1-7.

Ala-Luhtala, J, Seppänen, M, Ali-Löytty, S, Piche, R & Nurminen, H 2013, Estimation of initial state and model parameters for autonomous GNSS orbit prediction. in *International Global Navigation Satellite Systems Society IGNSS Symposium 2013, 16-18 July, 2013, Gold Coast, Queensland, Australia*. IGNSS Society, Tweed Heads, NSW, Australia, pp. 1-15, International Global Navigation Satellite Systems Society Symposium, 1/01/13.

Piche, R 2013, Estimation of Model Parameters. in X-S Yang (ed.), *Mathematical Modeling with Multidisciplinary Applications*. John Wiley & Sons, Hoboken, NJ, USA, pp. 169-190.

Rautakorpi, P, Argatov, I & Silvennoinen, R 2013, Estimation of the Mechanical Power of a Kite Wind Generator. in SP Lohani (ed.), *Renewable Energy for Sustainable Future*. ICONCEPT PRESS, Hong Kong, pp. 1-28.

Raunonen, P, Casella, E, Disney, M, Åkerblom, M & Kaasalainen, M 2013, Fast Automatic Method for Constructing Topologically and Geometrically Precise Tree Models from TLS Data. in R Sievänen, E Nikinmaa, C Godin, A Lintunen & P Nygren (eds), *7th International Conference on Functional-Structural Plant Models, FSPM2013, 9.-14.6.2013, Saariselkä, Finland*. International Conference on Functional-Structural Plant Models, Finnish Society of Forest Science; Finnish Forest Research Institute; University of Helsinki, Vantaa, pp. 89-91.

Raunonen, P, Kaasalainen, M, Åkerblom, M, Kaasalainen, S, Kaartinen, H, Vastaranta, M, Holopainen, M, Disney, M & Lewis, P 2013, 'Fast automatic precision tree models from terrestrial laser scanner data', *Remote Sensing*, vol. 5, no. 2, pp. 491-520. <https://doi.org/10.3390/rs5020491>

Eriksson, S-L & Orelma, H 2013, 'Hyperbolic Laplace Operator and the Weinstein Equation in R^3 ', *Advances in Applied Clifford Algebras*, pp. 1-16. <https://doi.org/10.1007/s00006-013-0425-1>

Pohjolainen, S, Nykänen, O, Venho, J & Kangas, J 2013, Improving engineering students' mathematics skills and analysing their behaviour using ICT - tools. in *Proceedings of annual SEFI Conference, 16-20 September 2013, Leuven, Belgium.*, 163, Annual Conference of the European Society for Engineering Education, European Society for Engineering Education SEFI, Brussels, Belgium, pp. 1-8.

Jussila, J, Huhtamäki, J, Kärkkäinen, H & Still, K 2013, Information visualization of Twitter data for co-organizing conferences. in *17th International Academic MindTrek Conference, October 1-4, 2013, Tampere, Finland*. MindTrek Conference, ACM, New York, NY, pp. 139-145. <https://doi.org/10.1145/2523429.2523482>

Piche, R 2013, *Introduction to Statistical Data Analysis for Engineers and Scientists*. CREATESPACE, Las Vegas, NV, USA.

Pursiainen, S & Kaasalainen, M 2013, 'Iterative alternating sequential (IAS) method for radio tomography of asteroids in 3D', *Planetary and Space Science*, vol. 82-83, pp. 84-98. <https://doi.org/10.1016/j.pss.2013.04.001>

Rutanen, K, Gomez-Herrero, G, Eriksson, S-L & Egiazarian, K 2013, Least-Squares Transformations between Point-Sets. in J-K Kämäräinen & M Koskela (eds), *Image Analysis, 18th Scandinavian Conference, SCIA 2013, Espoo, Finland, June 17-20, 2013, Proceedings*. Lecture Notes in Computer Science, vol. 7944, Springer, Berlin, pp. 501-511. https://doi.org/10.1007/978-3-642-38886-6_47

Stenvall, A, Tarhasaari, T, Grilli, F, Raunonen, P, Vojenciak, M & Pellikka, M 2013, 'Manifolds in electromagnetism and superconductor modelling: Using their properties to model critical current of twisted conductors in self-field with 2-D model', *Cryogenics*, vol. 53, pp. 135-141. <https://doi.org/10.1016/j.cryogenics.2012.06.005>

Joutsenlahti, J, Sarikka, H, Kangas, J & Harjulehto, P 2013, Matematiikan kirjallinen kielentäminen yliopiston matematiikan opetuksessa. in M Hähkiöniemi, H Leppäaho, P Nieminen & J Viiri (eds), *Matematiikan ja luonnontieteiden opetuksen tutkimusseuran konferenssijulkaisu 2012. Tutkimuksia / Jyväskylän yliopisto, opettajankoulutuslaitos*. The annual conference of Finnish Mathematics and Science Education Research Association, November 8-9, 2012, Jyväskylä, Finland, vol. 90, University of Jyväskylä, Jyväskylä, pp. 59-70, Annual symposium of the Finnish Mathematics and Science Education Research Association, 1/01/13.

Eriksson, S-L & Orelma, H 2013, 'Mean Value Properties for the Weinstein Equation Using the Hyperbolic Metric', *Complex Analysis and Operator Theory*, vol. 7, no. 5, pp. 1609-1621. <https://doi.org/10.1007/s11785-012-0280-4>

Still, K, Huhtamäki, J, Russell, MG, Basole, RC, Salonen, J & Rubens, N 2013, Networks of innovation relationships: multiscopic views on Finland. in KRE Huizingh, S Conn, M Torkkeli, S Schneider & I Bitran (eds), *XXIV ISPIM Conference, Innovating in Global Markets: Challenges for Sustainable Growth, 16-19 June 2013, Helsinki, Finland*. International Society for Professional Innovation Management Conference, International Society for Professional Innovation Management ISPIM, Manchester, UK, pp. 1-15.

Saarinen, J, Andreasson, H, Stoyanov, T, Ala-Luhtala, J & Lilienthal, AJ 2013, Normal Distributions Transform Occupancy Maps: Application to Large-Scale Online 3D Mapping. in *2013 IEEE International conference on Robotics and Automation, ICRA, May 6-10, 2013, Karlsruhe, Germany*. IEEE International Conference on Robotics and Automation, IEEE, Piscataway, NJ, pp. 2233-2238, IEEE International Conference on Robotics and Automation, 1/01/00. <https://doi.org/10.1109/ICRA.2013.6630878>

Eriksson, S-L & Orelma, H 2013, On Hodge-de Rham systems in hyperbolic Clifford analysis. in *11th International Conference of Numerical Analysis and Applied Mathematics, ICNAAM 2013, 21-27 September 2013, Rhodes, Greece*. AIP Conference Proceedings, vol. 1558, American Institute of Physics AIP, pp. 492-495, AIP CONFERENCE PROCEEDINGS, 1/01/00. <https://doi.org/10.1063/1.4825535>

Eriksson, S-L & Orelma, H 2013, 'On hypermonogenic functions', *Complex Variables and Elliptic Equations*, vol. 58, no. 7, pp. 975-990. <https://doi.org/10.1080/17476933.2011.613118>

Hämäläinen, T & Pohjolainen, S 2013, On the Structure of Robust Controllers for Infinite-Dimensional Systems. in *12th European Control Conference, ECC 2013, Zürich, Switzerland, 17.-19.7.2013*. European Control Conference, European Control Association EUCA, Zürich, Sveitsi, pp. 59-62.

Paunonen, L & Pohjolainen, S 2013, Output Regulation Theory for Distributed Parameter Systems with Unbounded Control and Observation. in *52nd IEEE Conference on Decision and Control, IEEE CDC 2013, December 10-13, 2013, Florence, Italy*. IEEE Conference on Decision and Control, IEEE, Piscataway, NJ, pp. 1083-1088, IEEE CONFERENCE ON DECISION AND CONTROL, 1/01/00.

Nurminen, H, Ristimäki, A, Ali-Löytty, S & Piche, R 2013, Particle filter and smoother for indoor localization. in *International Conference on Indoor Positioning and Indoor Navigation, IPIN 2013, 28-31 Oct 2013, Montbéliard-Belfort, France*. International Conference on Indoor Positioning and Indoor Navigation, IEEE, Piscataway, NJ, pp. 137-146. <https://doi.org/10.1109/IPIN.2013.6817903>

Huhtamäki, J, Luotonen, V, Kairamo, V, Still, K & Russell, MG 2013, Process for Measuring and Visualizing an Open Innovation Platform: Case Demola. in *17th International Academic MindTrek Conference, October 1-4, 2013, Tampere, Finland*. MindTrek Conference, ACM, pp. 166-171. <https://doi.org/10.1145/2523429.2523478>

Burt, A, Disney, M, Raunonen, P, Armston, J, Calders, K & Lewis, P 2013, Rapid Characterisation of Forest Structure from TLS and 3D Modelling. in *2013 IEEE International Geoscience & Remote Sensing Symposium, IGARSS 2013, Melbourne, Australia, July 21-26, 2013*. IEEE International Geoscience and Remote Sensing Symposium, IEEE, Piscataway, NJ, pp. 1-4, IEEE International Geoscience and Remote Sensing Symposium, 1/01/00.

Paunonen, L & Pohjolainen, S 2013, 'Reduced order internal models in robust output regulation', *IEEE Transactions on Automatic Control*, vol. 58, no. 9, pp. 2307-2318. <https://doi.org/10.1109/TAC.2013.2257596>

Forma, J, Niemi, JA & Ruotsalainen, U 2013, 'Regional compensation for statistical maximum likelihood reconstruction error of PET image pixels', *Physics in Medicine and Biology*, vol. 58, no. 14, pp. 4849-4864. <https://doi.org/10.1088/0031-9155/58/14/4849>

Still, K, Huhtamäki, J & Russell, MG 2013, Relational Capital and Social Capital: One or two Fields of Research? in A Green (ed.), *Proceedings of the 10th International Conference on Intellectual Capital, Knowledge Management and Organisational Learning, ICICKM 2013, Washington, DC, USA, October 24-25, 2013*. International Conference on Intellectual Capital, Knowledge Management and Organisational Learning, vol. 2, Academic Conferences and Publishing International Limited, Reading, UK, pp. 420-428.

Paunonen, L 2013, 'Robustness of polynomial stability with respect to unbounded perturbations', *Systems and Control Letters*, vol. 62, no. 4, pp. 331-337. <https://doi.org/10.1016/j.sysconle.2013.01.005>

Paunonen, L & Pohjolainen, S 2013, Robustness properties of controllers with reduced order internal models. in *12th European Control Conference, ECC 2013, Zürich, Switzerland, 17.-19.7.2013*. European Control Conference, vol. 12, European Control Association EUCA, Zürich, Switzerland, pp. 578-583.

Paunonen, L & Pohjolainen, S 2013, 'Robust output regulation and the preservation of polynomial closed-loop stability', *International Journal of Robust and Nonlinear Control*, pp. 1-28. <https://doi.org/10.1002/rnc.3064>

Müller, J, Shoemaker, C & Piche, R 2013, 'SO-I: a surrogate model algorithm for expensive nonlinear integer programming problems including global optimization applications', *Journal of Global Optimization*, pp. 1-25. <https://doi.org/10.1007/s10898-013-0101-y>

Laakkonen, P & Pohjolainen, S 2013, Solvability of the output regulation problem with a feedforward controller. in *12th European Control Conference, ECC 2013, Zürich, Switzerland, 17.-19.7.2013*. European Control Conference, European Control Association EUCA, Zürich, Sveitsi, pp. 560-565.

Müller, J, Shoemaker, C & Piche, R 2013, 'SO-MI: A surrogate model algorithm for computationally expensive nonlinear mixed-integer black-box global optimization problems', *Computers and Operations Research*, vol. 40, no. 5, pp. 1383-1400. <https://doi.org/10.1016/j.cor.2012.08.022>

Nurminen, H, Talvitie, J, Ali-Löytty, S, Muller, P, Lohan, E-S, Piche, R & Renfors, M 2013, 'Statistical Path Loss Parameter Estimation and Positioning using RSS Measurements', *Journal of Global Positioning Systems*, vol. 12, no. 1, pp. 13-27.

Kanniainen, J & Piche, R 2013, 'Stock Price Dynamics and Option Valuations under Volatility Feedback Effect', *Physica A: Statistical Mechanics and Its Applications*, vol. 392, no. 4, pp. 722-740. <https://doi.org/10.1016/j.physa.2012.10.004>

Mäki-Marttunen, T, Acimovic, J, Linne, M-L & Ruohonen, K 2013, 'Structure-Dynamics Relationships in Bursting Neuronal Networks Revealed Using a Prediction Framework', *PLoS ONE*, vol. 8, no. 7, e69373, pp. 1-16. <https://doi.org/10.1371/journal.pone.0069373>

Valmari, A 2013, The Asymptotic Behaviour of the Proportion of Hard Instances of the Halting Problem. in A Kiss (ed.), *SPLST '13, 13th Symposium on Programming Languages and Software Tools, August 26-27, 2013, Szeged, Hungary*. Symposium on Programming Languages and Software Tools, University of Szeged, Szeged, Hungary, pp. 170-184.

Foldes, S 2013, 'The Kraft Sum as a Monotone Function of the Refinement-Ordered Set of Uniquely Decipherable Codes', *Mathematics for Applications*, vol. 2, no. 1, pp. 1-4.

Merline, WJ, Drummond, JD, Carry, B, Conrad, A, Tamblyn, PM, Dumas, C, Kaasalainen, M, Erikson, A, Mottola, S, Durech, J, Rousseau, G, Behrend, R, Casalnuovo, GB, Chinaglia, B, Christou, JC, Chapman, CR & Neyman, C 2013, 'The Resolved Asteroid Program – Size, shape, and pole of (52) Europa', *Icarus*, vol. 225, no. 1, pp. 794-805. <https://doi.org/10.1016/j.icarus.2013.01.010>

Turunen, E 2013, 'Tiedonlouhintaa tieliikenneonnettomuussatasta', *Liikenne*, vol. 31, no. 2, pp. 7-8.

Vainikka, E, Noppari, E, Heinonen, A & Huhtamäki, J 2013, *Twitteriä ja uutispäivittelyä - toimittajana sosiaalisessa mediassa*. Tampereen yliopisto. Viestinnän, median ja teatterin yksikkö. Journalismin, viestinnän ja median tutkimuskeskus, COMET.

Major, L 2013, 'Unimodality and log-concavity of f-vectors for cyclic and ordinary polytopes', *Discrete Applied Mathematics*, vol. 161, no. 10-11, pp. 1669-1672. <https://doi.org/10.1016/j.dam.2013.01.008>

Huhtamäki, J & Parviainen, O 2013, Verkostoanalyysi sosiaalisen median tutkimuksessa. in S-M Laaksonen, J Matikainen & M Tikka (eds), *Otteita verkosta - verkon ja sosiaalisen median tutkimusmenetelmät*. 1 edn, Vastapaino, Tampere, pp. 245-273.

Nykänen, O, Koskinen, KT, Ranta, P, Salonen, J, Aaltonen, J, Nurmi, J, Helminen, M, Alarotu, V, Salomaa, T & Pohjolainen, S 2013, *Virtuaalinen konelaboratorio ja semanttinen mallinnus konejärjestelmän suunnittelun tukena, Loppuraportti, Semogen II -hanke*. Tampereen teknillinen yliopisto, Smart Simulators -tutkimusryhmä, Tampere.

Kaasalainen, M & Durech, J 2013, What's out there? Asteroid models for target selection and mission planning. in V Badescu (ed.), *Asteroids: prospective energy and material resources*. Springer, Heidelberg, pp. 131-150. <https://doi.org/10.1007/978-3-642-39244-3>

Hämäläinen, T 2012, 'A review on old and new results on robust regulation of DPS with infinite-dimensional exosystems' Paper presented at Matematiikan päivät, 4-5.1.2012, Lappeenrannan Teknillinen Yliopisto, 1/01/12, .

Kaleva, O 2012, 'A characterization of level-continuous fuzzy numbers', *Fuzzy Sets and Systems*, vol. 209, pp. 84-88. <https://doi.org/10.1016/j.fss.2012.07.002>

Huttunen, V & Piche, R 2012, 'A Molecular Camera Gyroscope', *Girokopiya I Navigatsiya*, vol. 77, pp. 69-81.

Huttunen, V & Piche, R 2012, 'A Monocular Camera Gyroscope', *Gyroscopy and Navigation*, vol. 3, no. 2, pp. 124-131. <https://doi.org/10.1134/S2075108712020046>

Raitoharju, M & Ali-Löytty, S 2012, 'An Adaptive Derivative Free Method for Bayesian Posterior Approximation', *IEEE Signal Processing Letters*, vol. 19, no. 2, 12436433, pp. 87-90. <https://doi.org/10.1109/LSP.2011.2179800>

Durech, J, Vokrouhlicky, D, Baransky, AR, Breiter, S, Burkhonov, OA, Cooney, W, Fuller, V, Gaftonyuk, NM, Gross, J, Inasaridze, RY, Kaasalainen, M, Krugly, YN, Kvaratshelia, OI, Litvinenko, EA, Macomber, B, Marchis, F, Molotov, IE, Oey, J, Polishook, D, Pollock, J, Pravec, P, Sarneczky, K, Shevchenko, VG, Slyusarev, I, Stephens, R, Szabo, G, Terrell, D, Vachier, F, Vanderplate, Z, Viikinkoski, M & Warner, BD 2012, 'Analysis of the rotation period of asteroids (1865) Cerberus, (2100) Ra-Shalom, and (3103) Eger - search for the YORP effect', *Astronomy and Astrophysics*, vol. 547, A10, pp. 9. <https://doi.org/10.1051/0004-6361/201219396>

Still, K, Huhtamäki, J, Isomursu, M, Lahti, J & Koskela-Huotari, K 2012, 'Analytics of the impact of user involvement in the innovation process and its outcomes. Case study: Media-Enhanced Learning (MEL) Service', *Procedia: Social and Behavioral Sciences*, vol. 46, pp. 1740-1746. <https://doi.org/10.1016/j.sbspro.2012.05.370>

Ala-Luhtala, J, Seppänen, M & Piche, R 2012, An empirical solar radiation pressure model for autonomous GNSS orbit prediction. in *2012 IEEE/ION Position Location and Navigation Symposium PLANS, 23-26 April 2012, Myrtle Beach, SC, USA.*, 12863831, IEEE/ION Position Location and Navigation Symposium, Institute of Electrical and Electronics Engineers IEEE, Piscataway, NJ, pp. 568-575, IEEE/ION POSITION LOCATION AND NAVIGATION SYMPOSIUM, 1/01/00. <https://doi.org/10.1109/PLANS.2012.6236929>

Turunen, E, Tchikapa, N & Lele, C 2012, A New Characterization for n-Fold Positive Implicative BL-logics. in S Greco, B Bouchon-Meunier, G Coletti, M Fedrizzi, B Matarazzo & RR Yager (eds), *Advances on Computational Intelligence 14th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems, IPMU 2012, Catania, Italy, July 9-13, 2012. Proceedings, Part I. Communications in Computer and Information Science.* International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems, vol. 297, Springer, Berlin Heidelberg, pp. 552-560. https://doi.org/10.1007/978-3-642-31709-5_56

Helminen, M, Salonen, J, Saha, H, Nykänen, O, Koskinen, KT, Ranta, P & Pohjolainen, S 2012, A New Method and Format for Describing CANopen System Topology. in *Proceedings of the 13th International CAN Conference, iCC 2012 in Hambach Castle, March 5 to March 6, Germany.* International CAN Conference, CAN in Automation e.V., pp. 1-8.

Jorda, L, Lamy, P, Gaskell, R, Kaasalainen, M, Groussin, O, Besse, S & Faury, G 2012, 'Asteroid (2867) Steins: Shape, topography and global physical properties from OSIRIS observations', *Icarus*, vol. 221, no. 2, pp. 1089-1100. <https://doi.org/10.1016/j.icarus.2012.07.035>

Müller, J, Shoemaker, C & Piche, R 2012, A Stochastic Mixture Surrogate Model Algorithm for Computationally Expensive Black-Box Global Optimization Problems. in *Proceedings of Global Optimization Workshop 2012, 26-29 June 2012, Natal, Brazil.* Global Optimization Workshop, Universidade Federal do Rio Grande do Norte, Natal, Brazil, pp. 1-4.

Silvennoinen, R & Argatov, I 2012, 'Asymptotic modeling of unconstrained control of a tethered power kite moving along a given closed-loop spherical trajectory', *Journal of Engineering Mathematics*, vol. 72, no. 1, pp. 187-203. <https://doi.org/10.1007/s10665-011-9475-3>

Seppänen, M, Ala-Luhtala, J, Piche, R, Martikainen, S & Ali-Löytty, S 2012, 'Autonomous Prediction of GPS and GLONASS Satellite Orbits', *Navigation*, vol. 59, no. 2, pp. 119-134. <https://doi.org/10.1002/navi.10>

Turunen, E, Lele, C & Tchikapa, N 2012, Characterizing n-Fold Positive Implicative BL-logics. in *ManyVal'12 In Honour of Antonio Di Nola's 65th Birthday, Salerno, Italy, 4.7.7.2012.* ManyVal, pp. 60-64.

Åkerblom, M, Raunonen, P, Kaasalainen, M, Kaasalainen, S & Kaartinen, H 2012, Comprehensive Quantitative Tree Models from TLS Data. in *IEEE International Geoscience and Remote Sensing Symposium, IGARSS, 2012, 22.-27.7.2012, Munich, Germany.*, 13133382, IEEE International Geoscience and Remote Sensing Symposium, Institute of Electrical and Electronics Engineers IEEE, Piscataway, NJ, pp. 6507-6510, IEEE International Geoscience and Remote Sensing Symposium, 1/01/00. <https://doi.org/10.1109/IGARSS.2012.6352751>

Laakkonen, P, Paunonen, L & Pohjolainen, S 2012, Dual Look at Robust Regulation: Frequency Domain and State Space Approaches. in *Proceedings of MMAR 2012. 17th International Conference on Methods and Models in Automation & Robotics, MMAR 2012, 27-30 August 2012, Miedzyzdroje, Poland.*, 13117991, International Conference on Methods and Models in Automation & Robotics, Institute of Electrical and Electronics Engineers IEEE, Piscataway, NJ, pp. 136-141. <https://doi.org/10.1109/MMAR.2012.6347929>

Piche, R 2012, *Elementary Partial Differential Equations. Theory and Solved Problems.* Lambert Academic Publishing, Saarbrücken, Germany.

Pesonen, H & Piche, R 2012, *Estimation of Linear Systems with Abrupt Changes of the Noise Covariances Using Variational Bayes Algorithm.* Tampereen teknillinen yliopisto. Matematiikan laitos. Tutkimusraportti, vol. 100, Tampere University of Technology, Department of Mathematics, Tampere.

Friedrich, P, Huhtamäki, J, Koskela-Huotari, K, Karppinen, K & Still, K 2012, Facilitating active participation in web-based co-development. in *Proceedings of Innovation through Social Media, ISM 2012 workshop proceedings, December 3, 2012, Oslo, Norway*. Innovation Through Social Media, AKADEMIKA FORLAG, Trondheim, Norway, pp. 16-23.

Paunonen, L & Pohjolainen, S 2012, Feedforward Output Regulation for Distributed Parameter Systems with Infinite-Dimensional Exosystems. in *Proceedings of the 51st IEEE Conference on Decision and Control, IEEE CDC 2012, December 10-13 2012, Maui, Hawaii, USA*. IEEE Conference on Decision and Control, IEEE, Piscataway, NJ, pp. 1566-1571, IEEE CONFERENCE ON DECISION AND CONTROL, 1/01/00. <https://doi.org/10.1109/CDC.2012.6426567>

Muller, P, Ali-Löytty, S, Dashti, M, Nurminen, H & Piche, R 2012, Gaussian mixture filter allowing negative weights and its application to positioning using signal strength measurements. in *Proceedings of WPNC 2012, 9th Workshop on Positioning, Navigation and Communication, March 15-16, 2012, Dresden, Germany*. Workshop on Positioning, Navigation and Communication, Institute of Electrical and Electronics Engineers IEEE, Piscataway, NJ, pp. 71-76. <https://doi.org/10.1109/WPNC.2012.6268741>

Orelma, H 2012, 'Harmonic Forms on Conformal Euclidean Manifolds: The Clifford Multivector Approach', *Advances in Applied Clifford Algebras*, vol. 22, no. 1, pp. 143-158. <https://doi.org/10.1007/s00006-011-0297-1>

Lucka, F, Pursiainen, S, Burger, M & Wolters, CH 2012, 'Hierarchical Bayesian inference for the EEG inverse problem using realistic FE head models: Depth localization and source separation for focal primary currents', *NeuroImage*, vol. 61, no. 4, pp. 1364-1382. <https://doi.org/10.1016/j.neuroimage.2012.04.017>

Eriksson, S-L & Orelma, H 2012, Hyperbolic laplace operator and the Weinstein equation in R3. in K Gürlebeck, T Lahmer & F Werner (eds), *Proceedings in the 19th International Conference on the Applications of Computer Science and Mathematics in Architecture and Civil Engineering, IKM 2012, July 4-6 2012, Weimar, Germany*. International conference on the applications of computer science and mathematics in architecture and civil engineering, IKM, Weimar, Germany, pp. 15.

Kangas, J, Miilumäki, T & Pohjolainen, S 2012, Mathematics Remedial Instruction with Math-Bridge e-learning system. in B Alpers, C Robinson, G Rodriguez, A Martin & A de la Villa (eds), *16th SEFI MWG Seminar - Mathematical Education of Engineers, Salamanca, Spain, 28.-30.6.2012*. SEFI MWG Seminar, Universidad de Salamanca, Salamanca, Spain.

Sirola, N & Ali-Löytty, S 2012, *Method of tracking a state of a mobile electronic device*, Patent No. Pat. US 8213956 B2.

Chen, L, Ali-Löytty, S, Piche, R & Wu, L 2012, 'Mobile Tracking in Mixed Line-of-Sight/Non-Line-of-Sight Conditions: Algorithm and Theoretical Lower Bound', *WIRELESS PERSONAL COMMUNICATIONS*, vol. 65, no. 4, pp. 753-771. <https://doi.org/10.1007/s11277-011-0294-7>

Huhtamäki, J, Still, K, Isomursu, M, Russell, MG & Rubens, N 2012, Networks of Growth: Case Young Innovative Companies in Finland. in C Vivas & F Lucas (eds), *Proceedings of the 7th European Conference on Innovation and Entrepreneurship, September 20-21, 2012, Santarem, Portugal*. European Conference on Innovation and Entrepreneurship, Academic Publishing International Limited, Reading, UK.

Turunen, E, Tchikapa, N & Lele, C 2012, 'n-Fold implicative basic logic is Gödel logic', *Soft Computing*, vol. 16, no. 1, pp. 177-181. <https://doi.org/10.1007/s00500-011-0761-9>

Kaleva, O 2012, 'Nonlinear iteration semigroups of fuzzy Cauchy problems', *Fuzzy Sets and Systems*, vol. 209, pp. 104-110. <https://doi.org/10.1016/j.fss.2012.04.016>

Piche, R 2012, *On the Parametric Instability Caused by Step Size Variation in Runge-Kutta-Nyström Methods*. arXiv, vol. arXiv:1209.5173, Unknown Publisher.

Kaasalainen, M, Lu, X & Vänttinen, A-V 2012, 'Optimal computation of brightness integrals parametrized on the unit sphere', *Astronomy and Astrophysics*, vol. 539, A96, pp. 7. <https://doi.org/10.1051/0004-6361/201117982>

Martikainen, S, Piche, R & Ali-Löytty, S 2012, Outlier-robust estimation of GPS satellite clock offsets. in *2012 International Conference on Localization and GNSS ICL-GNSS, June 25-27, 2012, Starnberg, Germany.*, 12906184, 2012 International Conference on Localization and GNSS, Institute of Electrical and Electronics Engineers IEEE, Piscataway, NJ, pp. 5 pp. <https://doi.org/10.1109/ICL-GNSS.2012.6253107>

Paunonen, L & Pohjolainen, S 2012, Output Regulation for General Infinite-Dimensional Exosystems. in *Proceedings of the 7th IFAC Symposium on Robust Control Design, Rocond 2012, 20-22 June 2012, Aalborg, Denmark.* IFAC Symposium on Robust Control Design, International Federation of Automatic Control IFAC, Laxenburg, Austria, pp. 162-167. <https://doi.org/10.3182/20120620-3-DK-2025.00113>

Still, K, Huhtamäki, J, Russell, MG & Rubens, N 2012, Paradigm shift in innovation indicators - from analog to digital. in *Proceedings of the 5th ISPIM Innovation Forum, 9-12 December, 2012, Seoul, Korea.* ISPIM Innovation Symposium, International Society for Professional Innovation Management ISPIM, Manchester, UK.

Paunonen, L & Pohjolainen, S 2012, 'Periodic Output Regulation for Distributed Parameter Systems', *Mathematics of Control Signals and Systems*, vol. 24, no. 4, pp. 403-441. <https://doi.org/10.1007/s00498-012-0087-x>

Kondo, M & Turunen, E 2012, Prime filters on residuated lattices. in *2012 IEEE 42nd International Symposium on Multiple-Valued Logic ISMVL, 14-16 May, 2012, Victoria, British Columbia, Canada.* IEEE International Symposium on Multiple-Valued Logic, Institute of Electrical and Electronics Engineers IEEE, Piscataway, NJ, pp. 89-91, IEEE INTERNATIONAL SYMPOSIUM ON MULTIPLE-VALUED LOGIC, 1/01/00. <https://doi.org/10.1109/ISMVL.2012.40>

Pursiainen, S 2012, 'Raviart-Thomas-type sources adapted to applied EEG and MEG: Implementation and results', *Inverse Problems*, vol. 28, no. 6, 065013. <https://doi.org/10.1088/0266-5611/28/6/065013>

Dashti, M, Ali-Löytty, S, Wirola, L, Muller, P, Nurminen, H & Piche, R 2012, Robust Kalman filter for positioning with wireless BS coverage areas. in *Proceedings of WPNC 2012, 9th Workshop on Positioning, Navigation and Communication, March 15-16, 2012, Dresden, Germany.* Workshop on Positioning, Navigation and Communication, Institute of Electrical and Electronics Engineers IEEE, Piscataway, NJ, pp. 83-88. <https://doi.org/10.1109/WPNC.2012.6268743>

Paunonen, L 2012, 'Robustness of strongly and polynomially stable semigroups', *Journal of Functional Analysis*, vol. 263, no. 9, pp. 2555-2583. <https://doi.org/10.1016/j.jfa.2012.08.023>

Laakkonen, P 2012, Robust regulation: From state-space to frequency domain. in A Niemistö (ed.), *Digest of TISE Seminar 2012, Nokia, Finland, 14 June, 2012. TISE Publications.* TISE Seminar, vol. 11, Tampere Graduate School in Information Science and Engineering (TISE). Tampere University of Technology, University of Tampere, Tampere, pp. 135-140.

Hämäläinen, T & Pohjolainen, S 2012, Robust Regulation of Distributed Parameter Systems with Infinite-Dimensional Exosystems. in *The 51st IEEE Conference on Decision and Control, IEEE CDC 2012, December 10-13 2012, Maui, Hawaii, USA.* IEEE Conference on Decision and Control, Institute of Electrical and Electronics Engineers IEEE, Piscataway, NJ, pp. 3514-3519, IEEE CONFERENCE ON DECISION AND CONTROL, 1/01/00. <https://doi.org/10.1109/CDC.2012.6426076>

Carry, B, Kaasalainen, M, Merline, WJ, Muller, TG, Jorda, L, Drummond, JD, Berthier, J, O'Rourke, L, Durech, J, Küppers, M, Conrad, A, Tamblyn, P, Dumas, C & Sierks, H 2012, 'Shape modeling technique KOALA validated by ESA Rosetta at (21) Lutetia', *Planetary and Space Science*, vol. 66, no. 1, pp. 200-212. <https://doi.org/10.1016/j.pss.2011.12.018>

Kaasalainen, M & Viikinkoski, M 2012, 'Shape reconstruction of irregular bodies with multiple complementary data sources', *Astronomy and Astrophysics*, vol. 543, A97, pp. 9. <https://doi.org/10.1051/0004-6361/201219267>

Still, K, Huhtamäki, J, Russell, MG, Koskela-Huotari, K, Isomursu, M & Pohjolainen, S 2012, *Sosiaalisesta mediasta dataa innovaatiotoiminnan ymmärtämiseen ja mittaamiseen.* Tekes Policy Brief, vol. 2, Tekes.

Hakala, T, Kaleva, O & Harlin, A 2012, 'Stress-strain behavior of polyamide 6 staple fibers of punch-needed press felts under simulated wet-pressing conditions', *Journal of the Textile Institute*, vol. 103, no. 12, pp. 1280-1293. <https://doi.org/10.1080/00405000.2012.677566>

Järvenpää, M & Turunen, E 2012, *Suomessa 2004-2008 sattuneiden tieliikenneonnettomuuksien analysointia GUHA-tiedonlouhintamenetelmällä*. Tampereen teknillinen yliopisto. Matematiikan laitos. Tutkimusraportti, vol. 99, Tampereen teknillinen yliopisto. Matematiikan laitos, Tampere.

Müller, J, *Surrogate Model Optimization Toolbox: Matlab central file exchange*, 2012, Software.

Disney, M, Lewis, P & Raunonen, P 2012, Testing a New Vegetation Structure Retrieval Algorithm from Terrestrial Lidar Scanner Data Using 3D Models. in *Silvilaser 2012, 12th International Conference on LiDAR Applications for Assessing Forest Ecosystems, 16-19 September 2012, Vancouver, Canada*. Silvilaser, Silvilaser Vancouver 2012, Vancouver, Canada, pp. 1-9.

Paunonen, L 2012, The Infinite-Dimensional Sylvester Differential Equation and Periodic Output Regulation. in W Arendt, JA Ball, J Behrndt, K-H Förster, V Mehrmann & C Trunk (eds), *Spectral Theory, Mathematical System Theory, Evolution Equations, Differential and Difference Equations. 21st International Workshop on Operator Theory and Applications, Berlin, July 2010. Operator Theory: Advances and Applications.. International Workshop on Operator Theory and Applications*, vol. 221, Springer Basel, Basel, Switzerland, pp. 515-531. https://doi.org/10.1007/978-3-0348-0297-0_31

Still, K, Huhtamäki, J, Russell, MG & Rubens, N 2012, Transforming Innovation Ecosystems Through Network Orchestration: Case EIT ICT Labs. in KRE Huizingh, S Conn, M Torkkeli & I Bitran (eds), *Proceedings of the XXIII ISPIM Conference. Action for Innovation: Innovating from Experience, Barcelona, Spain, 17-20 June 2012*. International Society for Professional Innovation Conference, International Society for Professional Innovation Management ISPIM, Manchester, UK.

Basole, RC, Russell, MG, Huhtamäki, J & Rubens, N 2012, Understanding Mobile Ecosystem Dynamics: a Data-Driven Approach. in *Mobile Business in Everyday life: users' routines versus provider's turbulence. Proceedings of the 11th International Conference on Mobile Business, ICMB 2012, June 21-22, 2012, Delft, Netherlands*. International Conference on Mobile Business, Delft University of Technology, Delft, The Netherlands, pp. 17-28, INTERNATIONAL CONFERENCE ON MOBILE BUSINESS, 1/01/00.

Müller, J 2012, *User Guide for Modularized Surrogate Model Toolbox*. TUT DPub, Tampere University of Technology, Tampere.

Raitoharju, M, Fadjukoff, T, Ali-Löyty, S & Piche, R 2012, Using unlocated fingerprints in generation of WLAN maps for indoor positioning. in *2012 IEEE/ION Position Location and Navigation Symposium PLANS, 23-26 April 2012, Myrtle Beach, SC, USA.*, 12863832, IEEE/ION Position Location and Navigation Symposium, Institute of Electrical and Electronics Engineers IEEE, Piscataway, NJ, pp. 576-583, IEEE/ION POSITION LOCATION AND NAVIGATION SYMPOSIUM, 1/01/00. <https://doi.org/10.1109/PLANS.2012.6236930>

Paunonen, L 2011, *Output Regulation Theory for Linear Systems with Infinite-Dimensional and Periodic Exosystems*. Tampere University of Technology. Publication, vol. 992, Tampere University of Technology, Tampere.

Kaasalainen, S, Pyysalo, U, Krooks, A, Vain, A, Kukko, A, Hyypä, J & Kaasalainen, M 2011, 'Absolute radiometric calibration of ALS intensity data: Effects on accuracy and target classification', *Sensors*, vol. 11, no. 11, pp. 10586-10602. <https://doi.org/10.3390/s111110586>

Orelma, H & Sommen, F 2011, A differential form approach to Dirac operators on surfaces. in I Sabadini & F Sommen (eds), *Hypercomplex Analysis and Applications. Trends in Mathematics*. Birkhäuser, Basel, pp. 213-232. https://doi.org/10.1007/978-3-0346-0246-4_15

Pylvänäinen, T 2011, *Advances in Augmented Reality Technologies*. Tampere University of Technology. Publication, vol. 975, Tampere University of Technology, Tampere.

Pesonen, H 2011, 'A Framework for Bayesian Receiver Autonomous Integrity Monitoring in Urban Navigation', *Navigation*, vol. 58, no. 3, pp. 229-240.

Eriksson, S-L & Orelma, H 2011, A hyperbolic interpretation of Cauchy-type kernels in hyperbolic function theory in hypercomplex analysis. in I Sabadini & F Sommen (eds), *Hypercomplex Analysis and Applications. Trends in Mathematics*. Birkhäuser, Basel, pp. 43-59. https://doi.org/10.1007/978-3-0346-0246-4_4

Rubens, N, Russell, MG, Perez, R, Huhtamäki, J, Still, K, Kaplan, D & Okamoto, T 2011, Alumni Network Analysis. in *2011 IEEE 2nd Global Engineering Education Conference EDUCON, 4-6 April 2011, Amman, Jordan*. IEEE Global Engineering Education Conference EDUCON, IEEE, Piscataway, NJ, pp. 606-611. <https://doi.org/10.1109/EDUCON.2011.5773200>

Eriksson, S-L & Orelma, H 2011, 'A Mean-Value Theorem for Some Eigenfunctions of the Laplace -Beltrami Operator on the Upper-Half Space', *Annales Academiae Scientiarum Fennicae-Mathematica*, vol. 36, pp. 101-110. <https://doi.org/10.5186/aasfm.2011.3606>

Sirola, N & Ali-Löytty, S 2011, *A method of tracking a state of a mobile electronic device*, Patent No. Pat. KR 101106276.

Huttunen, V & Piche, R 2011, *A Monocular Camera Gyroscope*. Tampereen teknillinen yliopisto. Matematiikan laitos. Tutkimusraportti, vol. 98, Tampereen teknillinen yliopisto, Tampere.

Kaasalainen, S, Jaakkola, A, Kaasalainen, M, Krooks, A & Kukko, A 2011, 'Analysis of Incidence Angle and Distance Effects on Terrestrial Laser Scanner Intensity: Search for Correction Methods', *Remote Sensing*, vol. 3, no. 10, pp. 2207-2221. <https://doi.org/10.3390/rs3102207>

Huhtamäki, J, Russell, MG, Still, K & Rubens, N 2011, A Network-Centric Snapshot of Value Co-Creation in Finnish Innovation Financing. in M Seppä, N Helander & I Ilvonen (eds), *EBRF 2010, Research Forum to Understand Business in Knowledge Society, September 15-17, 2010, Nokia, Finland*. Research Forum to Understand Business in Knowledge Society EBRF, GVL Finland, Nokia, pp. 1-15.

Huhtamäki, J, Russell, MG, Still, K & Rubens, N 2011, A Network-Centric Snapshot of Value Co-Creation in Finnish Innovation Financing. in C McPhee, M Seppä & S Tanev (eds), *The Open Source Business Resource*. Talent First Network, pp. 13-21.

Salonen, J, Nykänen, O, Ranta, P, Nurmi, J, Helminen, M, Rokala, M, Palonen, T, Alarotu, V, Koskinen, K & Pohjolainen, S 2011, 'An implementation of a semantic, web-based virtual machine laboratory prototyping environment', *Lecture Notes in Computer Science*, vol. 7032, pp. 221-236. https://doi.org/10.1007/978-3-642-25093-4_15

Argatov, I, Rautakorpi, P & Silvennoinen, R 2011, 'Apparent wind load effects on the tether of a kite power generator', *Journal of Wind Engineering and Industrial Aerodynamics*, vol. 99, no. 10, pp. 1079-1088. <https://doi.org/10.1016/j.jweia.2011.07.010>

Raumonen, P, Kaasalainen, S, Kaasalainen, M & Kaartinen, H 2011, Approximation of Volume and Branch Size Distribution of Trees from Laser Scanner Data. in *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, ISPRS Workshop Laser Scanning, 2011, 29.-31.8.2011, Calgary, Canada*. ISPRS Workshop Laser Scanning, vol. 38-5/W12, ISPRS, Calgary, pp. 1-6.

Hämäläinen, T & Pohjolainen, S 2011, 'A Self-Tuning Robust Regulator for Infinite-Dimensional Systems', *IEEE Transactions on Automatic Control*, vol. 56, no. 9, pp. 2116-2127. <https://doi.org/10.1109/TAC.2011.2129310>

- Seppänen, M 2011, Autonomous satellite orbit prediction. in A Niemistö (ed.), *Digest of TISE Seminar 2011. TISE publications*. TISE Seminar, vol. 10, Tampere Graduate School in Information Science and Engineering (TISE). Tampere University of Technology, Tampere, pp. 5-10.
- Seppänen, M, Perälä, T & Piche, R 2011, Autonomous satellite orbit prediction. in *Proceedings of The Institute of Navigation 2011 International Technical Meeting, January 24-26, 2011, San Diego, CA, USA*. Institute of Navigation International Technical Meeting, The Institute of Navigation, San Diego, CA, pp. 554-564.
- Turunen, E 2011, Axiomatic Extensions of Höhle's Monoidal Logic. in *Proceedings of the 7th conference of the European Society for Fuzzy Logic and Technology EUSFLAT-LFA 2011, Aix-Les-Bains, France, 18 - 22 July 2011*. Conference of the European Society for Fuzzy Logic and Technology EUSFLAT-LFA, Atlantis Press, Amsterdam, pp. 163-168.
- Pesonen, H & Piche, R 2011, Bayesian Positioning Using Gaussian Mixture Models with Time-varying Component Weights. in *JSM 2011 Joint Statistical Meetings 2011, Miami Beach, Florida, USA, July 30-August 4, 2011*. Joint Statistical Meetings JSM, American Statistical Association, Miami Beach, FL, pp. 4516-4524.
- Huhtamäki, J, Russell, MG, Still, K, Rubens, N & Yu, JC 2011, Business Angels and Investment Organizations as Networked Co-creators of the Finnish Innovation Ecosystem. in *Proceedings of the Triple Helix IX International Conference: Silicon Valley: Global Model or Unique Anomaly? 11-14 July, 2011, Stanford, California, USA*. Triple Helix International Conference, Stanford University, H-STAR Institute Center for Innovation and Communication, Stanford, CA, pp. 1-15.
- Durech, J, Kaasalainen, M, Herald, D, Dunham, D, Timerson, B, Hanus, J, Frappa, E, Talbot, J, Hayamizu, T, Warener, BD, Pilcher, F & Galad, A 2011, 'Combining asteroid models derived by lightcurve inversion with asteroidal occultation silhouettes', *Icarus*, vol. 214, no. 2, pp. 652-670. <https://doi.org/10.1016/j.icarus.2011.03.016>
- Tladlec, J & Turunen, E 2011, 'Commutative bounded integral residuated orthomodular lattices are Boolean algebras', *Soft Computing*, vol. 15, no. 4, pp. 635-636. <https://doi.org/10.1007/s00500-010-0572-4>
- Intosalmi, J, Manninen, T, Ruohonen, K & Linne, M-L 2011, 'Computational study of noise in a large signal transduction network', *BMC Bioinformatics*, vol. 12, 252, pp. 1-8. <https://doi.org/10.1186/1471-2105-12-252>
- Raunonen, P, Suuriniemi, S & Kettunen, L 2011, 'Dimensional Reduction of Electromagnetic Boundary Value Problems', *Boundary Value Problems*, vol. 2011, 9, pp. 1-25. <https://doi.org/10.1186/1687-2770-2011-9>
- Laakkonen, P & Pohjolainen, S 2011, 'Directed structure at infinity for infinite-dimensional systems', *International Journal of Control*, vol. 84, no. 4, pp. 702-715. <https://doi.org/10.1080/00207179.2011.572999>
- Farago, I, Horvath, R & Korotov, S 2011, 'Discrete maximum principles for FE solutions of nonstationary diffusion-reaction problems with mixed boundary conditions', *Numerical Methods for Partial Differential Equations*, vol. 27, no. 3, pp. 702-720. <https://doi.org/10.1002/num.20547>
- Still, K, Russell, MG, Huhtamäki, J, Turpeinen, M & Rubens, N 2011, Explaining innovation with indicators of mobility and networks: Insights into central innovation nodes in Europe. in *Proceedings of the Triple Helix IX International Conference: Silicon Valley: Global Model or Unique Anomaly? 11-14 July, 2011, Stanford, California, USA*. Triple Helix International Conference, Stanford University, H-STAR Institute Center for Innovation and Communication, Stanford, CA, pp. 1-17.
- Kanniainen, J, Mäkinen, S, Piche, R & Chakrabarti, A 2011, 'Forecasting the diffusion of innovation: A stochastic bass model with log-normal and mean-reverting error process', *IEEE Transactions on Engineering Management*, vol. 99, pp. 1-22. <https://doi.org/10.1109/TEM.2010.2048912>
- Still, K, Russell, MG, Huhtamäki, J, Yu, JC & Rubens, N 2011, Gender and Innovation: Networks of Executive Women in Technology-Based Companies. in *Proceedings of the Triple Helix IX International Conference: Silicon Valley: Global Model or Unique Anomaly? 11-14 July, 2011, Stanford, California, USA*. Triple Helix International Conference, Stanford University, H-STAR Institute Center for Innovation and Communication, Stanford, CA, pp. 1-20.

Sierks, H, Lamy, P, Barbieri, C, Koschny, D, Rickman, H, Rodrigo, R, A'Hearn, MF, Angrilli, F, Barucci, MA, Bertaux, J-L, Bertini, I, Besse, S, Carry, B, Cremonese, G, Da Deppo, V, Davidsson, B, Debei, S, De Cecco, M, De Leon, J, Ferri, F, Fornasier, S, Fulle, M, Hviid, SF, Gaskell, RW, Groussin, O, Gutierrez, P, Ip, W, Jorda, L, Kaasalainen, M, Keller, HU, Knollenberg, J, Kramm, R, Kührt, E, Küppers, M, Lara, L, Lazzarin, M, Leyrat, C, Lopez Moreno, JJ, Magrin, S, Marchi, S, Marzari, F, Massironi, M, Michalik, H, Moissl, R, Naletto, G, Preusker, F, Sabau, L, Sabolo, W, Scholten, F, Snodgrass, C, Thomas, N, Tubiana, C, Vernazza, P, Vincent, J-B, Wenzel, K-P, Andert, T, Pätzold, M & Weiss, BP 2011, 'Images of asteroid 21 Lutetia: A remnant planetesimal from the early solar system', *Science*, vol. 334, no. 6055, pp. 487-490. <https://doi.org/10.1126/science.1207325>

Mäki-Marttunen, T, Acimovic, J, Nykter, M, Kesseli, J, Ruohonen, K, Yli-Harja, O & Linne, M-L 2011, 'Information Diversity in Structure and Dynamics of Simulated Neuronal Networks', *Frontiers in Computational Neuroscience*, vol. 5, 26, pp. 1-17. <https://doi.org/10.3389/fncom.2011.00026>

Foldes, S, Szigeti, J & van Wyk, L 2011, 'Invertibility and Dedekind finiteness in structural matrix rings', *Linear and Multilinear Algebra*, vol. 59, no. 2, pp. 221-227. <https://doi.org/10.1080/03081080903357653>

Silius, K, Pohjolainen, S, Miilumäki, T, Kangas, J & Joutsenlahti, J 2011, Korkeakoulumatematiikka teekkarin kompastuskivenä? in M Mäkinen, V Korhonen, J Annala, P Kalli, P Svärd & V-M Värri (eds), *Korkeajännityksiä - kohti osallisuutta luovaa korkeakoulutusta*. Tampere University Press, Tampere, pp. 242-265.

Väljataga, T 2011, *Learner Control and Responsibility: Expanding the Concept of Self-direction in Higher Education*. Tampere University of Technology. Publication, vol. 946, Tampere University of Technology, Tampere.

Pohjolainen, S & Nortunen, H 2011, Linear Equation Solvers: Comparison of LU Decomposition and a Robust ODE Solver . in S Repin, T Tiihonen & T Tuovinen (eds), *Proceedings of CAO2011 ECCOMAS Thematic Conference on Computational Analysis and Optimization, Jyväskylä, Finland, 9.6.-11.6.2011. Reports of the Department of Mathematical Information Technology. Series A Collections*. CAO ECCOMAS Thematic Conference on Computational Analysis and Optimization, no. 1/2011, University of Jyväskylä, Jyväskylä, pp. 77-80.

Eriksson, S-L 2011, 'Maaliskuun puheenaihe: Mielenkiintoista matematiikkaa opetukseen LUMA-sanomat', *LUMA-sanomat*, no. Maaliskuu, pp. 1-3.

Kangas, J 2011, Matematiikkaklinikka. in E Myller (ed.), *Oppaiden opas - vinkkejä opetukseen opintopolun eri vaiheissa. Aalto-yliopiston julkaisusarja Tiede + Teknologia*. Aalto-yliopisto, Helsinki, pp. 56-60.

Miilumäki, T, Pohjolainen, S, Silius, K, Nykänen, O & Kangas, J 2011, Math-Bridge - Eurooppalainen silta lukio- ja korkeakoulumatematiikan välille. in S Leinamo & H Salo (eds), *ITK 2011, Interaktiivinen Tekniikka Koulutuksessa - konferenssi 2011 - Uutuuden viehätystä, ideoiden kierrätystä, Hämeenlinna, 6.-8.4.2011. Hämeen kesäyliopiston julkaisuja. Sarja B*. ITK Interaktiivinen Tekniikka Koulutuksessa -konferenssi, Hämeen kesäyliopisto, Hämeenlinna, pp. 70-71.

Eriksson, S-L & Orelma, H 2011, Mean value properties for K-hypermonogenic functions. in K Gurlbeck (ed.), *9th International Conference on Clifford Algebras and their Applications in Mathematical Physics 15 - 20 July 2011, Weimar, Germany*. International Conference on Clifford Algebras and their Applications in Mathematical Physics, ICCA9, Weimar, pp. 1-11.

Kailanto, M 2011, Miten opiskella matematiikkaa yliopistossa - opas opiskelijoille. in E Myller (ed.), *Oppaiden opas - vinkkejä opetukseen opintopolun eri vaiheissa. Aalto-yliopiston julkaisusarja Tiede + Teknologia*. Aalto-yliopisto, Helsinki, pp. 53-55.

Muller, J & Piche, R 2011, 'Mixture surrogate models based on Dempster-Shafer theory for global optimization problems', *Journal of Global Optimization*, vol. 51, no. 1, pp. 79-104. <https://doi.org/10.1007/s10898-010-9620-y>

- Liang, C, Ali-Löytty, S, Piche, R & Lenan, W 2011, Mobile Tracking in Mixed Line-of-sight/Non-line-of-sight Conditions: Algorithms and Theoretical Lower Bound. Chapter 21. in R Zekavat & RM Buehrer (eds), *Handbook of Position Location: Theory, Practice and Advances*. WILEY-IEEE PRESS, Hoboken, NJ, pp. 685-708.
- Acimovic, J, Mäki-Marttunen, T, Havela, R, Teppola, H & Linne, M-L 2011, 'Modeling of Neuronal Growth In Vitro: Comparison of Simulation Tools NETMORPH and CX3D', *Eurasip Journal on Bioinformatics and Systems Biology*, vol. 2011, 616382, pp. 1-13. <https://doi.org/10.1155/2011/616382>
- Virkki, J, Sydänheimo, L & Raunonen, P 2011, 'Modifications of the 85/85 test and the temperature cycling test for tantalum capacitors', *Soldering and Surface Mount Technology*, vol. 23, no. 3, pp. 168-176. <https://doi.org/10.1108/09540911111146926>
- Huttunen, H, Valkama, M, Talvitie, J & Laaksonen, M 2011, Motivating the Mathematics Studies by Real-life Examples of Signal Processing and Communications Engineering. in *2011 IEEE Digital Signal Processing Workshop and IEEE Signal Processing Education Workshop (DSP/SPE), Sedona, USA, 4-7 January 2011*. IEEE Digital Signal Processing Workshop and IEEE Signal Processing Education Workshop DSP/SPE, IEEE, Piscataway, NJ, pp. 1-6. <https://doi.org/10.1109/DSP-SPE.2011.5739213>
- Kaasalainen, M 2011, 'Multimodal inverse problems: maximum compatibility estimate and shape reconstruction', *Inverse Problems and Imaging*, vol. 5, no. 1, pp. 37-57. <https://doi.org/10.3934/ipi.2011.5.37>
- Turunen, E 2011, Non-classical Logics with Real Life Applications. in *Proceedings of International Conference of Rough Sets, Fuzzy Sets and Soft Computing ICRSFSSC-2009, November 5-7 2009, Tripura University*. International Conference of Rough Sets, Fuzzy Sets and Soft Computing ICRSFSSC, Serial Publications, New Delhi, pp. 171-178.
- Kaarakka, T & Salminen, P 2011, 'On Fractional Ornstein-Uhlenbeck Process', *Communications on Stochastic Analysis*, vol. 5, no. 1, pp. 121-133.
- Major, L 2011, 'On the distribution of coefficients of powers of positive polynomials', *Australasian Journal of Combinatorics*, vol. 49, pp. 239-243.
- Paunonen, L 2011, 'Perturbation of strongly and polynomially stable Riesz-spectral operators', *Systems and Control Letters*, vol. 60, no. 4, pp. 234-248. <https://doi.org/10.1016/j.sysconle.2011.01.005>
- Laakkonen, P 2011, Plotting root-locus of infinite-dimensional systems. in S Repin, T Tiihonen & T Tuovinen (eds), *Proceedings of CAO2011 ECCOMAS Thematic Conference on Computational Analysis and Optimization, Jyväskylä, Finland, 9.6.-11.6.2011. Reports of the Department of Mathematical Information Technology. Series A Collections*. CAO ECCOMAS Thematic Conference on Computational Analysis and Optimization, no. 1/2011, University of Jyväskylä, Jyväskylä, pp. 139-142.
- Kanniainen, J & Ruohonen, K 2011, 'Properties of duration drift', *International Journal of Economics and Business Research*, vol. 3, no. 2, pp. 176-191.
- Kortemaa, A, Moisio, M, Punkki, J, Palonen, T, Ranta, P, Leino, T, Alarotu, V, Koskinen, KT & Tohu, J, *Puuvirta-virtuaalinen ja simuloitu oppimisympäristö*, 2011, Software.
- Machaj, J, Brida, P & Piche, R 2011, Rank Based Fingerprinting Algorithm for Indoor Positioning. in *2011 International Conference on Indoor Positioning and Indoor Navigation IPIN, 21-23 September 2011, Guimarães, Portugal*. International Conference on Indoor Positioning and Indoor Navigation IPIN, IEEE, Piscataway, NJ, pp. 1-6. <https://doi.org/10.1109/IPIN.2011.6071929>
- Piche, R 2011, Robust estimation of a reception region from location fingerprints. in *2011 International Conference on Localization and GNSS ICL-GNSS June 29-30, 2011 Tampere, Finland*. International Conference on Localization and GNSS ICL-GNSS, IEEE, Piscataway, NJ, pp. 31-35. <https://doi.org/10.1109/ICL-GNSS.2011.5955261>

Paunonen, L 2011, Robust output regulation and the internal model principle. in A Niemistö (ed.), *Digest of TISE Seminar 2011. TISE publications*. TISE Seminar, vol. 10, Tampere Graduate School in Information Science and Engineering (TISE). Tampere University of Technology, Tampere, pp. 71-75.

Yu, JC, Russell, MG, Still, K, Rubens, N, Huhtamäki, J & Pöschko, J 2011, Social Media, Reputation And Branding Of Innovation Hubs: A Periscope Using Content Analysis Of Twitter. in *Proceedings of the Triple Helix IX International Conference: Silicon Valley: Global Model or Unique Anomaly? 11-14 July, 2011, Stanford, California, USA*. Triple Helix International Conference, Stanford University, H-STAR Institute Center for Innovation and Communication, Stanford, CA, pp. 1-20.

Still, K, Isomursu, M, Koskela-Huotari, K & Huhtamäki, J 2011, Social media-supported indicators for user-driven service innovation. in *Proceedings of VTT Symposium on Service Innovation, August 18, 2011, Espoo, Finland. VTT Symposium*. VTT Symposium on Service Innovation, vol. 271, VTT Technical Research Centre of Finland, Espoo, pp. 208-217.

Foldes, S & Meletiou, G 2011, 'Some remarks on structural matrix rings and matrices with ideal entries', *Miskolc Mathematical Notes*, vol. 12, no. 1, pp. 25-29.

Intosalmi, J, Manninen, T, Ruohonen, K & Linne, M-L 2011, Studying the quality of noise in a large biochemical reaction network as a function of the system volume. in *The International Conference on Applied Mathematics, Modeling and Computational Science, AMMCS 2011, 25 - 29 July, Waterloo, Ontario, Canada*. International Conference on Applied Mathematics, Modeling and Computational Science AMMCS, AMMCS 2011, Waterloo, Ontario, Canada, pp. 409.

Lamminen, J, Forsvik, HJ, Voipio, V & Ruohonen, K 2011, 'Teleconsultation: Changes in technology and costs over a 12-year period', *Journal of Telemedicine and Telecare*, vol. 17, no. 8, pp. 412-416. <https://doi.org/10.1258/jtt.2011.110211>

Laakkonen, P 2011, The root-locus analysis: An outline. in A Niemistö (ed.), *TISE Seminar 2011, Tampere, 25.5.2011. Digest of TISE Seminar 2011*. TISE Seminar, vol. 10, Tampere Graduate School in Information Science and Engineering (TISE). Tampere University of Technology, Tampere, pp. 1-4.

Russell, MG, Still, K, Huhtamäki, J, Yu, JC & Rubens, N 2011, Transforming Innovation Ecosystems through Shared Vision and Network Orchestration. in *Proceedings of the Triple Helix IX International Conference: Silicon Valley: Global Model or Unique Anomaly? 11-14 July, 2011, Stanford, California, USA*. Triple Helix International Conference, Stanford University, H-STAR Institute Center for Innovation and Communication, Stanford, CA, pp. 1-21.

Markkula, M, Rokala, M, Palonen, T, Alarotu, V, Helminen, M, Koskinen, KT, Salonen, J, Nykänen, O, Ranta, P & Pohjolainen, S 2011, Utilization of the hydraulic engineering design information for semi-automatic simulation model generation. in H Sairala & KT Koskinen (eds), *The Twelfth Scandinavian International Conference on Fluid Power, SICFP'11, May 18-20, 2011, Tampere, Finland*. Scandinavian International Conference on Fluid Power SICFP, no. 3, vol. 12, Scandinavian International Conference on Fluid Power, Tampere, pp. 443-458.

Helminen, M, Palonen, T, Rokala, M, Ranta, P, Mäkelä, T & Koskinen, KT 2011, Virtual machine laboratory based on m1-technology. in *The Twelfth Scandinavian International Conference on Fluid Power, SICFP'11, May 18-20, 2011, Tampere, Finland*. Scandinavian International Conference on Fluid Power SICFP, vol. 12, Scandinavian International Conference on Fluid Power, Tampere, pp. 321-334.

Turunen, E, *VRTUOSI: Courses Data Mining and Many-valued Similarities: Universidad Rey Juan Carlos*, 2011, Digital or Visual Products.

Silius, K, Pohjolainen, S, Kangas, J, Miilumäki, T & Joutsenlahti, J 2011, What can be done to bridge the competency gap between upper-secondary school and university mathematics? in *2011 IEEE Global Engineering Education Conference EDUCON, 4-6 April 2011, Amman, Jordania*. IEEE Global Engineering Education Conference EDUCON, IEEE, Piscataway, NJ, pp. 428-436. <https://doi.org/10.1109/EDUCON.2011.5773172>

Orelma, H 2010, *New perspectives in hyperbolic function theory*. Tampere University of Technology. Publication, vol. 892, Tampere University of Technology, Tampere.

Eriksson, S-L & Orelma, H 2010, *A hyperbolic interpretation of Cauchy type kernels in hyperbolic function theory*. Tampereen teknillinen yliopisto. Matematiikan laitos. Tutkimusraportti, vol. 96, Unknown Publisher, Tampere.

Pohjolainen, S & Suutala, A 2010, Akustinen mallinnus. in S Pohjolainen (ed.), *Matemaattinen mallinnus*. WSOYpro, Helsinki, pp. 238-259.

Sirola, N & Rouhe, J 2010, A motion model for articulated vehicles and a distributed acceleration measurement system. in *Proceedings of the 7th Workshop on Positioning, Navigation and Communication 2010 WPNC'10, 11-12 March 2010, Dresden, Germany*. pp. 164-167. <https://doi.org/10.1109/WPNC.2010.5650556>

Muller, J 2010, 'Approximative solutions to the bicriterion Vehicle Routing Problem with Time Windows', *European Journal of Operational Research*, vol. 202, no. 1, pp. 223-231. <https://doi.org/10.1016/j.ejor.2009.04.029>

Piche, R & Turunen, E 2010, Bayesian assaying of GUHA nuggets. in E Hüllermeier, R Kruse & F Hoffmann (eds), *Information Processing and Management of Uncertainty in Knowledge-Based Systems. Theory and Methods, 13th International Conference, IPMU 2010, Dortmund, Germany, June 28 - July 2, 2010. Communications in Computer and Information Science*. pp. 348-355. https://doi.org/10.1007/978-3-642-14055-6_36

Penttinen, A & Piche, R 2010, *Bayesian Methods*. Tampere University of Technology, Tampere.

Ali-Löytty, S 2010, 'Box Gaussian mixture filter', *IEEE Transactions on Automatic Control*, vol. 55, no. 9, pp. 2165-2169. <https://doi.org/10.1109/TAC.2010.2051486>

Laakkonen, P 2010, Briefly about the root-locus of linear systems. in P Koivisto (ed.), *Digest of TISE Seminar 2010, Ylöjärvi, Finland, 26.5.2010. TISE Publications*. pp. 101-106.

Lehtonen, E 2010, 'Closed classes of functions, generalized constraints, and clusters', *Algebra Universalis*, vol. 63, no. 2-3, pp. 203-234. <https://doi.org/10.1007/s00012-010-0071-6>

Sirola, N 2010, Closed-form algorithms in mobile positioning: Myths and misconceptions. in *Proceedings of the 7th Workshop on Positioning, Navigation and Communication 2010 WPNC'10, 11-12 March 2010, Dresden, Germany*. pp. 38-44. <https://doi.org/10.1109/WPNC.2010.5653789>

Foldes, S & Lehtonen, E 2010, 'Column-partitioned matrices over rings without invertible transversal submatrices', *Ars Combinatoria*, vol. 97, pp. 33-39.