

Haukkanen, Pentti ; Mattila, Mika ; Mäntysalo, Jori. / **Studying the inertias of LCM matrices and revisiting the Bourque-Ligh conjecture**. Julkaisussa: Journal of Combinatorial Theory. Series A. 2020 ; Vuosikerta 171.

Li, Meiling ; Alhussein, Omar ; Sofotasios, Paschalis C. ; Muhaidat, Sami ; Yoo, Paul D. ; Liang, Jie ; Wang, Anhong. / **Censor-Based Cooperative Multi-Antenna Spectrum Sensing with Imperfect Reporting Channels**. Julkaisussa: IEEE Transactions on Sustainable Computing. 2020 ; Vuosikerta 5, Nro 1. Sivut 48-60.

Nanni, Loris ; Maguolo, Gianluca ; Paci, Michelangelo. / **Data augmentation approaches for improving animal audio classification**. Julkaisussa: Ecological Informatics. 2020 ; Vuosikerta 57.

Goranko, Valentin ; Kuusisto, Antti ; Rönholm, Raine. / **Game-theoretic semantics for ATL⁺ with applications to model checking**. Julkaisussa: Information and Computation. 2020.

Hella, Lauri T ; Vilander, Miikka S. / **Formula size games for modal logic and mu-calculus**. Julkaisussa: JOURNAL OF LOGIC AND COMPUTATION. 2019.

Heljakka, Katriina ; Ihamaki, Pirita ; Tuomi, Pauliina ; Saarikoski, Petri. / **Gamified coding : Toy robots and playful learning in early education**. Proceedings - 6th Annual Conference on Computational Science and Computational Intelligence, CSCI 2019. IEEE, 2019. Sivut 800-805

Qian, Yanlin ; Chen, Ke ; Yu, Huanglin. / **Fast fourier color constancy and grayness index for ISPA illumination estimation challenge**. ISPA 2019 - 11th International Symposium on Image and Signal Processing and Analysis. Toimittaja / Sven Loncaric ; Robert Bregovic ; Marco Carli ; Marko Subasic. IEEE, 2019. Sivut 352-354 (International Symposium on Image and Signal Processing and Analysis, ISPA).

Vilander, Miikka ; Lück, Martin. / **On the Succinctness of Atoms of Dependency**. Julkaisussa: Logical Methods in Computer Science. 2019 ; Vuosikerta 15, Nro 3. Sivut 17:1-17:28.

Robertsén, Fredrik ; Mattila, Keijo ; Westerholm, Jan. / **High-performance SIMD implementation of the lattice-Boltzmann method on the Xeon Phi processor**. Julkaisussa: Concurrency Computation. 2019 ; Vuosikerta 31, Nro 13.

Javanainen, Matti ; Enkavi, Giray ; Guixà-González, Ramon ; Kulig, Waldemar ; Martinez-Seara, Hector ; Levental, Ilya ; Vattulainen, Ilpo. / **Reduced level of docosahexaenoic acid shifts GPCR neuroreceptors to less ordered membrane regions**. Julkaisussa: PLoS Computational Biology. 2019 ; Vuosikerta 15, Nro 5.

De Biasi, Marzio ; Lauri, Juho. / **On the complexity of restoring corrupted colorings**. Julkaisussa: Journal of Combinatorial Optimization. 2019 ; Vuosikerta 37, Nro 4. Sivut 1150-1169.

Stockrahm, Alex ; Lahtinen, Valtteri ; Kangas, Jari J.J. ; Kotiuga, P. Robert. / **Cuts for 3-D magnetic scalar potentials : Visualizing unintuitive surfaces arising from trivial knots**. Julkaisussa: Computers and Mathematics with Applications. 2019.

Kuusisto, Antti ; Reiter, Fabian. / **Emptiness problems for distributed automata**. Julkaisussa: Information and Computation . 2019.

Kuva, J. ; Voutilainen, M. ; Mattila, K. / **Modeling mass transfer in fracture flows with the time domain-random walk method**. Julkaisussa: COMPUTATIONAL GEOSCIENCES. 2019.

Martins, Leonardo ; Neeli-Venkata, Ramakanth ; Oliveira, Samuel M.D. ; Häkkinen, Antti ; Ribeiro, Andre S. ; Fonseca, José M. / **SCIP : a single-cell image processor toolbox**. Julkaisussa: Bioinformatics. 2018 ; Vuosikerta 34, Nro 24. Sivut 4318-4320.

Pantsar, Tatu ; Rissanen, Sami ; Dauch, Daniel ; Laitinen, Tuomo ; Vattulainen, Ilpo ; Poso, Antti. / **Assessment of mutation probabilities of KRAS G12 missense mutants and their long-timescale dynamics by atomistic molecular simulations and Markov state modeling.** Julkaisussa: PLoS Computational Biology. 2018 ; Vuosikerta 14, Nro 9.

Petrov, Vitaly ; Moltchanov, Dmitri ; Koucheryavy, Yevgeni ; Jornet, Josep M. / **The effect of small-scale mobility on terahertz band communications.** Proceedings of the 5th ACM International Conference on Nanoscale Computing and Communication, NANOCOM 2018. ACM, 2018.

Adonias, Geofly L. ; Barros, Michael Taynann ; Doyle, Linda ; Balasubramaniam, Sasitharan. / **Utilising EEG signals for modulating neural molecular communications.** Proceedings of the 5th ACM International Conference on Nanoscale Computing and Communication, NANOCOM 2018. Association for Computing Machinery, Inc, 2018.

Kartasalo, Kimmo ; Latonen, Leena ; Vihinen, Jorma ; Visakorpi, Tapio ; Nykter, Matti ; Ruusuvoori, Pekka. / **Comparative analysis of tissue reconstruction algorithms for 3D histology.** Julkaisussa: Bioinformatics. 2018 ; Vuosikerta 34, Nro 17. Sivut 3013-3021.

Eriksson, S. L. ; Orelma, H. ; Vieira, N. / **Hypermonogenic Functions of Two Vector Variables.** Julkaisussa: Complex Analysis and Operator Theory. 2018 ; Vuosikerta 12, Nro 2. Sivut 555–570.

Ito, Izumi ; Egiazarian, Karen. / **Full search equivalent fast block matching using orthonormal tree-structured haar transform.** ISPA 2017 - 10th International Symposium on Image and Signal Processing and Analysis. IEEE COMPUTER SOCIETY PRESS, 2017. Sivut 177-182

Enkavi, Giray ; Mikkolainen, Heikki ; GÜNGÖR, Burçin ; Ikonen, Elina ; Vattulainen, Ilpo. / **Concerted regulation of npc2 binding to endosomal/lysosomal membranes by bis(monoacylglycero)phosphate and sphingomyelin.** Julkaisussa: PLoS Computational Biology. 2017 ; Vuosikerta 13, Nro 10.

Leppänen, Leo ; Leinonen, Juho ; Ihantola, Petri ; Hellas, Arto. / **Predicting academic success based on learning material usage.** SIGITE 2017 - Proceedings of the 18th Annual Conference on Information Technology Education. ACM, 2017. Sivut 13-18

Leinonen, Juho ; Leppänen, Leo ; Ihantola, Petri ; Hellas, Arto. / **Comparison of time metrics in programming.** ICER 2017 - Proceedings of the 2017 ACM Conference on International Computing Education Research. ACM, 2017. Sivut 200-208

Vuorio, Joni ; Vattulainen, Ilpo ; Martinez-Seara, Hector. / **Atomistic fingerprint of hyaluronan-CD44 binding.** Julkaisussa: PLoS Computational Biology. 2017 ; Vuosikerta 13, Nro 7.

Masek, Pavel ; Mokrov, Evgeny ; Pyattaev, Alexander ; Zeman, Krystof ; Ponomarenko-Timofeev, Aleksei ; Samuylov, Andrey ; Sopin, Eduard ; Hosek, Jiri ; Gudkova, Irina A. ; Andreev, Sergey ; Novotny, Vit ; Koucheryavy, Yevgeni ; Samouylov, Konstantin. / **Experimental evaluation of dynamic licensed shared access operation in live 3GPP LTE system.** 2016 IEEE Global Communications Conference (GLOBECOM). IEEE, 2017.

Siiskonen, Antti ; Priimägi, Arri. / **Benchmarking DFT methods with small basis sets for the calculation of halogen-bond strengths.** Julkaisussa: Journal of Molecular Modeling. 2017 ; Vuosikerta 23, Nro 2.

Orelma, H. ; Vieira, N. / **Homogeneous (α, k) -Polynomial Solutions of the Fractional Riesz System in Hyperbolic Space.** Julkaisussa: Complex Analysis and Operator Theory. 2017 ; Vuosikerta 11, Nro 5. Sivut 1253–1267.

Stupnikov, Alexey ; Tripathi, Shailesh ; De Matos Simoes, Ricardo ; McArt, Darragh ; Salto-Tellez, Manuel ; Glazko, Galina ; Dehmer, Matthias ; Emmert-Streib, Frank. / **SamExploreR : Exploring reproducibility and robustness of RNA-seq results based on SAM files.** Julkaisussa: Bioinformatics. 2016 ; Vuosikerta 32, Nro 21. Sivut 3345-3347.

Gupta, Jayesh Prakash ; Menon, Karan ; Kärkkäinen, Hannu ; Huhtamäki, Jukka ; Mukkamala, Raghava Rao ; Hussain, Abid ; Vatrapu, Ravi ; Jussila, Jari ; Pirkkalainen, Henri. / **Identifying weak ties from publicly available social media data in an event.** AcademicMindtrek '16 Proceedings of the 20th International Academic Mindtrek Conference. ACM, 2016. Sivut

Devillers, Raymond ; Valmari, Antti ; Penczek, Wojciech. / **Application and theory of Petri nets and other models of concurrency : Special issue of selected papers from Petri Nets 2015**. Julkaisussa: Fundamenta Informaticae. 2016 ; Vuosikerta 146, Nro 1. Sivut v-vi.

Häkkinen, Antti ; Ribeiro, Andre S. / **Characterizing rate limiting steps in transcription from RNA production times in live cells**. Julkaisussa: Bioinformatics. 2016 ; Vuosikerta 32, Nro 9. Sivut 1346-1352.

Piipponen, Artturi ; Valmari, Antti. / **Constructing Minimal Coverability Sets**. Julkaisussa: Fundamenta Informaticae. 2016 ; Vuosikerta 143, Nro 3-4. Sivut 393-414.

Park, Youngsun ; Alam, Md Hijbul ; Ryu, Woo Jong ; Lee, Sangkeun. / **BL-LDA : Bringing bigram to supervised topic model**. Proceedings - 2015 International Conference on Computational Science and Computational Intelligence, CSCI 2015. Institute of Electrical and Electronics Engineers Inc., 2016. Sivut 83-88

Hosseinzadeh, Shohreh ; Hyrynsalmi, Sami ; Conti, Mauro ; Leppänen, Ville. / **Security and privacy in cloud computing via obfuscation and diversification : A survey**. Proceedings - IEEE 7th International Conference on Cloud Computing Technology and Science, CloudCom 2015. Institute of Electrical and Electronics Engineers Inc., 2016. Sivut 529-535

Canelas, Pedro ; Martins, Leonardo ; Mora, André ; S. Ribeiro, Andre ; Fonseca, José. / **An image generator platform to improve cell tracking algorithms simulation of objects of various morphologies, kinetics and clustering**. SIMULTECH 2016 - Proceedings of the 6th International Conference on Simulation and Modeling Methodologies, Technologies and Applications. SCITEPRESS, 2016. Sivut 44-55

Eriksson, Sirkka-Liisa ; Orelma, Heikki. / **On k-Hypermonogenic Functions and Their Mean Value Properties**. Julkaisussa: Complex Analysis and Operator Theory. 2016 ; Vuosikerta 10, Nro 2. Sivut 311-325.

Martin, Floran ; Singh, Deepak ; Belahcen, Anouar ; Rasilo, Paavo ; Haavisto, Ari ; Arkkio, Antero. / **Analytical model for magnetic anisotropy of non-oriented steel sheets**. Julkaisussa: COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering. 2015 ; Vuosikerta 34, Nro 5. Sivut 1475-1488.

Shah, Sahas Bikram ; Rasilo, Paavo ; Belahcen, Anouar ; Arkkio, Antero. / **Estimation of additional losses due to random contacts at the edges of stator of an electrical machine**. Julkaisussa: COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering. 2015 ; Vuosikerta 34, Nro 5. Sivut 1501-1510.

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

Ahmadi, Reza ; Leino, K. Rustan M ; Nummenmaa, Jyrki. / **Automatic verification of Dafny programs with traits**. Proceedings for the 17th Workshop on Formal Techniques for Java-like Programs, FTfJP 2015: co-located with ECOOP 2015. Association for Computing Machinery, Inc, 2015.

Rodrigues, Paulo C. ; Monteiro, Andreia ; Lourenço, Vanda M. / **A robust AMMI model for the analysis of genotype-by-environment data**. Julkaisussa: Bioinformatics. 2015 ; Vuosikerta 32, Nro 1. Sivut 58-66.

Liang, Yanhua ; Ma, Li ; Wang, Jianguang ; Wang, Guanghou. / **Multistep reactions of water with small Pd_n clusters : A first principles study**. Julkaisussa: Journal of Theoretical and Computational Chemistry. 2015 ; Vuosikerta 14, Nro 3.

Moradi, E. ; Koski, K. ; Hasani, M. ; Rahmat-Samii, Y. ; Ukkonen, L. / **Antenna design considerations for far field and near field wireless body-centric systems**. ICCEM 2015 - 2015 IEEE International Conference on Computational Electromagnetics. The Institute of Electrical and Electronics Engineers, Inc., 2015. Sivut 59-60

Mygdalis, Vasileios ; Iosifidis, Alexandros ; Tefas, Anastasios ; Pitas, Ioannis. / **Video summarization based on Subclass Support Vector Data Description**. IEEE SSCI 2014 - 2014 IEEE Symposium Series on Computational Intelligence - CIES 2014: 2014 IEEE Symposium on Computational Intelligence for Engineering Solutions, Proceedings. The Institute of Electrical and Electronics Engineers, Inc., 2015. Sivut 183-187

Häkkinen, Antti ; Ribeiro, Andre S. / **Estimation of GFP-tagged RNA numbers from temporal fluorescence intensity data**. Julkaisussa: Bioinformatics. 2015 ; Vuosikerta 31, Nro 1. Sivut 69-75.

Belahcen, Anouar ; Rasilo, Paavo ; Nguyen, Thu Trang ; Clénet, Stephane. / **Uncertainty propagation of iron loss from characterization measurements to computation of electrical machines**. Julkaisussa: COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering. 2015 ; Vuosikerta 34, Nro 3. Sivut 624-636.

Wang, Jianguang ; Ma, Li ; Liang, Yanhua ; Gao, Meiling ; Wang, Guanghou. / **Density functional theory study of transition metals doped B₈₀ fullerene**. Julkaisussa: Journal of Theoretical and Computational Chemistry. 2014 ; Vuosikerta 13, Nro 6.

Tripathi, Shailesh ; Dehmer, Matthias ; Emmert-Streib, Frank. / **NetBioV : An R package for visualizing large network data in biology and medicine**. Julkaisussa: Bioinformatics. 2014 ; Vuosikerta 30, Nro 19. Sivut 2834-2836.

Rahmatallah, Yasir ; Emmert-Streib, Frank ; Glazko, Galina. / **Gene Sets Net Correlations Analysis (GSNCA) : A multivariate differential coexpression test for gene sets**. Julkaisussa: Bioinformatics. 2014 ; Vuosikerta 30, Nro 3. Sivut 360-368.

Iosifidis, Alexandros ; Tefas, Anastasios ; Pitas, Ioannis. / **Exploiting local class information in extreme learning machine**. NCTA 2014 - Proceedings of the International Conference on Neural Computation Theory and Applications. INSTICC PRESS, 2014. Sivut 49-55

Kong, Lingjia ; Aho, Kaisa Leena ; Granberg, Kirsi ; Roos, Christophe ; Autio, Reija. / **DBComposer : An R package for integrative analysis and management of gene expression microarray data**. 2013 IEEE International Workshop on Genomic Signal Processing and Statistics, GENSIPS 2013 - Proceedings. 2013. Sivut 92-93

Belahcen, Anouar ; Fonteyn, Katarzyna ; Kouhia, Reijo ; Rasilo, Paavo ; Arkkio, Antero. / **Magnetomechanical coupled FE simulations of rotating electrical machines**. Julkaisussa: COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering. 2013 ; Vuosikerta 32, Nro 5. Sivut 1484-1499.

Iosifidis, Alexandros ; Tefas, Anastasios ; Pitas, Ioannis. / **Multidimensional sequence classification based on fuzzy distances and discriminant analysis**. Julkaisussa: IEEE Transactions on Knowledge and Data Engineering. 2013 ; Vuosikerta 25, Nro 11. Sivut 2564-2575.

Iosifidis, Alexandros ; Tefas, Anastasios ; Pitas, Ioannis. / **Person identification from actions based on Artificial Neural Networks**. IEEE Workshop on Computational Intelligence in Biometrics and Identity Management, CIBIM. 2013. Sivut 7-13

Rahmatallah, Y. ; Emmert-Streib, F. ; Glazko, G. / **Gene set analysis for self-contained tests : Complex null and specific alternative hypotheses**. Julkaisussa: Bioinformatics. 2012 ; Vuosikerta 28, Nro 23. Sivut 3073-3080.

Ma, Li ; Atta-Fynn, Raymond ; Ray, Asok K. / **Elemental and mixed actinide dioxides : An ab initio study**. Julkaisussa: Journal of Theoretical and Computational Chemistry. 2012 ; Vuosikerta 11, Nro 3. Sivut 611-629.

Karavirta, Ville ; Helminen, Juha ; Ihantola, Petri. / **A Mobile learning application for parsons problems with automatic feedback**. Proceedings - 12th Koli Calling International Conference on Computing Education Research, Koli Calling 2012. 2012. Sivut 11-18

Phan, Dung H. ; Suzuki, Junichi ; Carroll, Raymond ; Balasubramaniam, Sasitharan ; Donnelly, William ; Botvich, Dmitri. / **Evolutionary multiobjective optimization for Green clouds**. GECCO'12 - Proceedings of the 14th International Conference on Genetic and Evolutionary Computation Companion. 2012. Sivut 19-26

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

Yu, Guoqiang ; Zhang, Bai ; Bova, G. Steven ; Xu, Jianfeng ; Shih, le Ming ; Wang, Yue. / **BACOM : In silico detection of genomic deletion types and correction of normal cell contamination in copy number data**. Julkaisussa: Bioinformatics. 2011 ; Vuosikerta 27, Nro 11. Sivut 1473-1480.

Emmert-Streib, Frank ; Glazko, Galina V. / **Pathway analysis of expression data : Deciphering functional building blocks of complex diseases**. Julkaisussa: PLoS Computational Biology. 2011 ; Vuosikerta 7, Nro 5.

Wu, Hsiang Huang ; Shen, Chung Ching ; Sane, Nimish ; Plishker, William ; Bhattacharyya, Shuvra S. / **A model-based schedule representation for heterogeneous mapping of dataflow graphs**. 2011 IEEE International Symposium on Parallel and Distributed Processing, Workshops and Phd Forum, IPDPSW 2011. 2011. Sivut 70-81

Bulling, Andreas ; Duchowski, Andrew T. ; Majaranta, Päivi. / **PETMEI 2011 : The 1st international workshop on pervasive eye tracking and mobile eye-based interaction**. UbiComp'11 - Proceedings of the 2011 ACM Conference on Ubiquitous Computing. 2011. Sivut 627-628

Khan, Subayal Aftab ; Saastamoinen, Jukka ; Tiensyrjä, Kari ; Nurmi, Jari. / **System level performance simulation of distributed GENESYS applications on multi-core platforms**. Proceedings - IEEE 9th International Conference on Dependable, Autonomic and Secure Computing, DASC 2011. 2011. Sivut 313-320

Altay, Gökmen ; Emmert-Streib, Frank. / **Revealing differences in gene network inference algorithms on the network level by ensemble methods**. Julkaisussa: Bioinformatics. 2010 ; Vuosikerta 26, Nro 14. Sivut 1738-1744.

Brumley, Billy Bob ; Jarvinen, Kimmo U. / **Conversion algorithms and implementations for koblitz curve cryptography**. Julkaisussa: IEEE Transactions on Computers. 2010 ; Vuosikerta 59, Nro 1. Sivut 81-92.

Glazko, Galina V. ; Emmert-Streib, Frank. / **Unite and conquer : Univariate and multivariate approaches for finding differentially expressed gene sets**. Julkaisussa: Bioinformatics. 2009 ; Vuosikerta 25, Nro 18. Sivut 2348-2354.

Koskinen, Jukka A. ; Kelo, Tomi O. / **Pure e-learning course in information security**. Proceedings of SIN'09, Second International Conference on Security of Information and Networks, Famagusta, North Cyprus, October 6-10, 2009. Toimittaja / A. Elci. 2009. Sivut 8-13

Emmert-Streib, Frank ; Dehmer, Matthias. / **Robustness in scale-free networks : Comparing directed and undirected networks**. Julkaisussa: International Journal of Modern Physics C. 2008 ; Vuosikerta 19, Nro 5. Sivut 717-726.

Emmert-Streib, Frank ; Dehmer, Matthias. / **Nonlinear time series prediction based on a power-law noise model**. Julkaisussa: International Journal of Modern Physics C. 2007 ; Vuosikerta 18, Nro 12. Sivut 1839-1852.

Emmert-Streib, Frank ; Dehmer, Matthias. / **Global information processing in gene networks : Fault tolerance**. Proceedings of the Bio-Inspired Models of Network, Information, and Computing Systems, Bionetics 2007. 2007. Sivut 326-329

Emmert-Streib, Frank. / **Algorithmic computation of knot polynomials of secondary structure elements of proteins**. Julkaisussa: Journal of Computational Biology. 2006 ; Vuosikerta 13, Nro 8. Sivut 1503-1512.

Emmert-Streib, Frank. / **A heterosynaptic learning rule for neural networks**. Julkaisussa: International Journal of Modern Physics C. 2006 ; Vuosikerta 17, Nro 10. Sivut 1501-1520.

Emmert-Streib, Frank. / **Stochastic Sznajd Model in open community**. Julkaisussa: International Journal of Modern Physics C. 2005 ; Vuosikerta 16, Nro 11. Sivut 1693-1699.

Koskinen, J. A. / **Non-injective knapsack public-key cryptosystems**. Julkaisussa: Theoretical Computer Science. 2001 ; Vuosikerta 255, Nro 1-2. Sivut 401-422.