

Haukkanen P, Mattila M, Mäntysalo J. **Studying the inertias of LCM matrices and revisiting the Bourque-Ligh conjecture.** Journal of Combinatorial Theory. Series A. 2020 huhti 1;171. 105161. <https://doi.org/10.1016/j.jcta.2019.105161>

Li M, Alhussein O, Sofotasios PC, Muhaidat S, Yoo PD, Liang J et al. **Censor-Based Cooperative Multi-Antenna Spectrum Sensing with Imperfect Reporting Channels.** IEEE Transactions on Sustainable Computing. 2020;5(1):48-60. <https://doi.org/10.1109/TSUSC.2019.2896667>

Nanni L, Maguolo G, Paci M. **Data augmentation approaches for improving animal audio classification.** Ecological Informatics. 2020;57. 101084. <https://doi.org/10.1016/j.ecoinf.2020.101084>

Goranko V, Kuusisto A, Rönholm R. **Game-theoretic semantics for  $ATL^+$  with applications to model checking.** Information and Computation. 2020. 104554. <https://doi.org/10.1016/j.ic.2020.104554>

Hella LT, Vilander MS. **Formula size games for modal logic and mu-calculus.** JOURNAL OF LOGIC AND COMPUTATION . 2019 joulu 13. exz025. <https://doi.org/10.1093/logcom/exz025>

Heljakka K, Ihamaki P, Tuomi P, Saarikoski P. **Gamified coding: Toy robots and playful learning in early education.** julkaisussa Proceedings - 6th Annual Conference on Computational Science and Computational Intelligence, CSCI 2019. IEEE. 2019. s. 800-805. 9071010 <https://doi.org/10.1109/CSCI49370.2019.00152>

Qian Y, Chen K, Yu H. **Fast fourier color constancy and grayness index for ISPA illumination estimation challenge.** julkaisussa Loncaric S, Bregovic R, Carli M, Subasic M, toimittajat, ISPA 2019 - 11th International Symposium on Image and Signal Processing and Analysis. IEEE. 2019. s. 352-354. (International Symposium on Image and Signal Processing and Analysis, ISPA). <https://doi.org/10.1109/ISPA.2019.8868451>

Vilander M, Lück M. **On the Succinctness of Atoms of Dependency.** Logical Methods in Computer Science. 2019 elo 20;15(3):17:1-17:28.

Robertsén F, Mattila K, Westerholm J. **High-performance SIMD implementation of the lattice-Boltzmann method on the Xeon Phi processor.** Concurrency Computation. 2019 heinä 10;31(13). e5072. <https://doi.org/10.1002/cpe.5072>

Javanainen M, Enkavi G, Guixà-González R, Kulig W, Martinez-Seara H, Levental I et al. **Reduced level of docosahexaenoic acid shifts GPCR neuroreceptors to less ordered membrane regions.** PLoS Computational Biology. 2019 touko 1;15(5). e1007033. <https://doi.org/10.1371/journal.pcbi.1007033>

De Biasi M, Lauri J. **On the complexity of restoring corrupted colorings.** Journal of Combinatorial Optimization. 2019 touko;37(4):1150-1169. <https://doi.org/10.1007/s10878-018-0342-2>

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

Kuusisto A, Reiter F. **Emptiness problems for distributed automata.** Information and Computation. 2019. 104503. <https://doi.org/10.1016/j.ic.2019.104503>

Kuva J, Voutilainen M, Mattila K. **Modeling mass transfer in fracture flows with the time domain-random walk method.** COMPUTATIONAL GEOSCIENCES. 2019. <https://doi.org/10.1007/s10596-019-09852-5>

Martins L, Neeli-Venkata R, Oliveira SMD, Häkkinen A, Ribeiro AS, Fonseca JM. **SCIP: a single-cell image processor toolbox.** Bioinformatics. 2018 joulu 15;34(24):4318-4320. <https://doi.org/10.1093/bioinformatics/bty505>

Pantsar T, Rissanen S, Dauch D, Laitinen T, Vattulainen I, Poso A. **Assessment of mutation probabilities of KRAS G12 missense mutants and their long-timescale dynamics by atomistic molecular simulations and Markov state modeling.** PLoS Computational Biology. 2018 syys 10;14(9). e1006458. <https://doi.org/10.1371/journal.pcbi.1006458>

Petrov V, Moltchanov D, Koucheryavy Y, Jornet JM. **The effect of small-scale mobility on terahertz band communications.** julkaisussa Proceedings of the 5th ACM International Conference on Nanoscale Computing and Communication, NANOCOM 2018. ACM. 2018 <https://doi.org/10.1145/3233188.3242902>

Adonias GL, Barros MT, Doyle L, Balasubramaniam S. **Utilising EEG signals for modulating neural molecular communications.** julkaisussa Proceedings of the 5th ACM International Conference on Nanoscale Computing and Communication, NANOCOM 2018. Association for Computing Machinery, Inc. 2018 <https://doi.org/10.1145/3233188.3236333>

Kartasalo K, Latonen L, Vihinen J, Visakorpi T, Nykter M, Ruusuvoori P. **Comparative analysis of tissue reconstruction algorithms for 3D histology.** Bioinformatics. 2018 syys 1;34(17):3013-3021. <https://doi.org/10.1093/bioinformatics/bty210>

Eriksson SL, Orelma H, Vieira N. **Hypermonogenic Functions of Two Vector Variables.** Complex Analysis and Operator Theory. 2018;12(2):555–570. <https://doi.org/10.1007/s11785-017-0728-7>

Ito I, Egiazarian K. **Full search equivalent fast block matching using orthonormal tree-structured haar transform.** julkaisussa ISPA 2017 - 10th International Symposium on Image and Signal Processing and Analysis. IEEE COMPUTER SOCIETY PRESS. 2017. s. 177-182 <https://doi.org/10.1109/ISPA.2017.8073591>

Enkavi G, Mikkolainen H, Güngör B, Ikonen E, Vattulainen I. **Concerted regulation of npc2 binding to endosomal/lysosomal membranes by bis(monoacylglycero)phosphate and sphingomyelin.** PLoS Computational Biology. 2017 loka 1;13(10). e1005831. <https://doi.org/10.1371/journal.pcbi.1005831>

Leppänen L, Leinonen J, Ihantola P, Hellas A. **Predicting academic success based on learning material usage.** julkaisussa SIGITE 2017 - Proceedings of the 18th Annual Conference on Information Technology Education. ACM. 2017. s. 13-18 <https://doi.org/10.1145/3125659.3125695>

Leinonen J, Leppänen L, Ihantola P, Hellas A. **Comparison of time metrics in programming.** julkaisussa ICER 2017 - Proceedings of the 2017 ACM Conference on International Computing Education Research. ACM. 2017. s. 200-208 <https://doi.org/10.1145/3105726.3106181>

Vuorio J, Vattulainen I, Martinez-Seara H. **Atomistic fingerprint of hyaluronan-CD44 binding.** PLoS Computational Biology . 2017 heinä 1;13(7). e1005663. <https://doi.org/10.1371/journal.pcbi.1005663>

Masek P, Mokrov E, Pyattaev A, Zeman K, Ponomarenko-Timofeev A, Samuylov A et al. **Experimental evaluation of dynamic licensed shared access operation in live 3GPP LTE system.** julkaisussa 2016 IEEE Global Communications Conference (GLOBECOM). IEEE. 2017 <https://doi.org/10.1109/GLOCOM.2016.7841826>

Siiskonen A, Priimägi A. **Benchmarking DFT methods with small basis sets for the calculation of halogen-bond strengths.** Journal of Molecular Modeling. 2017 helmi 1;23(2). 50. <https://doi.org/10.1007/s00894-017-3212-4>

Orelma H, Vieira N. **Homogeneous  $(\alpha, k)$ -Polynomial Solutions of the Fractional Riesz System in Hyperbolic Space.** Complex Analysis and Operator Theory. 2017;11(5):1253–1267. <https://doi.org/10.1007/s11785-017-0666-4>

Stupnikov A, Tripathi S, De Matos Simoes R, McArt D, Salto-Tellez M, Glazko G et al. **SamExploreR: Exploring reproducibility and robustness of RNA-seq results based on SAM files.** Bioinformatics. 2016 marras 1;32(21):3345-3347. <https://doi.org/10.1093/bioinformatics/btw475>

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

Devillers R, Valmari A, Penczek W. **Application and theory of Petri nets and other models of concurrency: Special issue of selected papers from Petri Nets 2015**. *Fundamenta Informaticae*. 2016 syys 13;146(1):v-vi. <https://doi.org/10.3233/FI-2016-1373>

Häkkinen A, Ribeiro AS. **Characterizing rate limiting steps in transcription from RNA production times in live cells**. *Bioinformatics*. 2016 touko 1;32(9):1346-1352. <https://doi.org/10.1093/bioinformatics/btv744>

Piipponen A, Valmari A. **Constructing Minimal Coverability Sets**. *Fundamenta Informaticae*. 2016 maaliskuu 4;143(3-4):393-414. <https://doi.org/10.3233/FI-2016-1319>

Park Y, Alam MH, Ryu WJ, Lee S. **BL-LDA: Bringing bigram to supervised topic model**. julkaisussa *Proceedings - 2015 International Conference on Computational Science and Computational Intelligence, CSCI 2015*. Institute of Electrical and Electronics Engineers Inc. 2016. s. 83-88. 7424068 <https://doi.org/10.1109/CSCI.2015.146>

Hosseinzadeh S, Hyrynsalmi S, Conti M, Leppänen V. **Security and privacy in cloud computing via obfuscation and diversification: A survey**. julkaisussa *Proceedings - IEEE 7th International Conference on Cloud Computing Technology and Science, CloudCom 2015*. Institute of Electrical and Electronics Engineers Inc. 2016. s. 529-535 <https://doi.org/10.1109/CloudCom.2015.29>

Canelas P, Martins L, Mora A, S. Ribeiro A, Fonseca J. **An image generator platform to improve cell tracking algorithms simulation of objects of various morphologies, kinetics and clustering**. julkaisussa *SIMULTECH 2016 - Proceedings of the 6th International Conference on Simulation and Modeling Methodologies, Technologies and Applications*. SCITEPRESS. 2016. s. 44-55

Eriksson S-L, Orelma H. **On k-Hypermonogenic Functions and Their Mean Value Properties**. *Complex Analysis and Operator Theory*. 2016;10(2):311-325. <https://doi.org/10.1007/s11785-015-0445-z>

Martin F, Singh D, Belahcen A, Rasilo P, Haavisto A, Arkkio A. **Analytical model for magnetic anisotropy of non-oriented steel sheets**. *COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*. 2015 syys 7;34(5):1475-1488. <https://doi.org/10.1108/COMPEL-02-2015-0076>

Shah SB, Rasilo P, Belahcen A, Arkkio A. **Estimation of additional losses due to random contacts at the edges of stator of an electrical machine**. *COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*. 2015 syys 7;34(5):1501-1510. <https://doi.org/10.1108/COMPEL-02-2015-0083>

Ruohonen J, Hyrynsalmi S, Leppänen V. **Software evolution and time series volatility: An empirical exploration**. julkaisussa *14th International Workshop on Principles of Software Evolution, IWPSE 2015 - Proceedings*. Vuosikerta 30-Aug-2015. Institute of Electrical and Electronics Engineers Inc. 2015. s. 56-65 <https://doi.org/10.1145/2804360.2804367>

Ahmadi R, Leino KRM, Nummenmaa J. **Automatic verification of Dafny programs with traits**. julkaisussa *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. a4 <https://doi.org/10.1145/2786536.2786542>

Rodrigues PC, Monteiro A, Lourenço VM. **A robust AMMI model for the analysis of genotype-by-environment data**. *Bioinformatics*. 2015 heinä 1;32(1):58-66. <https://doi.org/10.1093/bioinformatics/btv533>

Liang Y, Ma L, Wang J, Wang G. **Multistep reactions of water with small Pd<sub>n</sub> clusters: A first principles study**. *Journal of Theoretical and Computational Chemistry*. 2015 touko 1;14(3). 1550017. <https://doi.org/10.1142/S0219633615500170>

Moradi E, Koski K, Hasani M, Rahmat-Samii Y, Ukkonen L. **Antenna design considerations for far field and near field wireless body-centric systems**. julkaisussa *ICCEM 2015 - 2015 IEEE International Conference on Computational Electromagnetics*. The Institute of Electrical and Electronics Engineers, Inc. 2015. s. 59-60. 7052555 <https://doi.org/10.1109/COMPEM.2015.7052555>

Mygdalis V, Iosifidis A, Tefas A, Pitas I. **Video summarization based on Subclass Support Vector Data Description.** julkaisussa 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. s. 183-187 <https://doi.org/10.1109/CIES.2014.7011849>

Häkkinen A, Ribeiro AS. **Estimation of GFP-tagged RNA numbers from temporal fluorescence intensity data.** Bioinformatics. 2015 tammi 1;31(1):69-75. <https://doi.org/10.1093/bioinformatics/btu592>

Belahcen A, Rasilo P, Nguyen TT, Clénet S. **Uncertainty propagation of iron loss from characterization measurements to computation of electrical machines.** COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering. 2015;34(3):624-636. <https://doi.org/10.1108/COMPEL-10-2014-0271>

Wang J, Ma L, Liang Y, Gao M, Wang G. **Density functional theory study of transition metals doped B<sub>80</sub> fullerene.** Journal of Theoretical and Computational Chemistry. 2014 syys 22;13(6). 1450050. <https://doi.org/10.1142/S0219633614500503>

Tripathi S, Dehmer M, Emmert-Streib F. **NetBioV: An R package for visualizing large network data in biology and medicine.** Bioinformatics. 2014 huhti 2;30(19):2834-2836. <https://doi.org/10.1093/bioinformatics/btu384>

Rahmatallah Y, Emmert-Streib F, Glazko G. **Gene Sets Net Correlations Analysis (GSNCA): A multivariate differential coexpression test for gene sets.** Bioinformatics. 2014 helmi 1;30(3):360-368. <https://doi.org/10.1093/bioinformatics/btt687>

Iosifidis A, Tefas A, Pitas I. **Exploiting local class information in extreme learning machine.** julkaisussa NCTA 2014 - Proceedings of the International Conference on Neural Computation Theory and Applications. INSTICC PRESS. 2014. s. 49-55

Kong L, Aho KL, Granberg K, Roos C, Autio R. **DBComposer: An R package for integrative analysis and management of gene expression microarray data.** julkaisussa 2013 IEEE International Workshop on Genomic Signal Processing and Statistics, GENSIPS 2013 - Proceedings. 2013. s. 92-93. 6735944 <https://doi.org/10.1109/GENSIPS.2013.6735944>

Belahcen A, Fonteyn K, Kouhia R, Rasilo P, Arkkio A. **Magnetomechanical coupled FE simulations of rotating electrical machines.** COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering. 2013;32(5):1484-1499. 17095978. <https://doi.org/10.1108/COMPEL-04-2013-0109>

Iosifidis A, Tefas A, Pitas I. **Multidimensional sequence classification based on fuzzy distances and discriminant analysis.** IEEE Transactions on Knowledge and Data Engineering. 2013;25(11):2564-2575. <https://doi.org/10.1109/TKDE.2012.223>

Iosifidis A, Tefas A, Pitas I. **Person identification from actions based on Artificial Neural Networks.** julkaisussa IEEE Workshop on Computational Intelligence in Biometrics and Identity Management, CIBIM. 2013. s. 7-13 <https://doi.org/10.1109/CIBIM.2013.6607907>

Rahmatallah Y, Emmert-Streib F, Glazko G. **Gene set analysis for self-contained tests: Complex null and specific alternative hypotheses.** Bioinformatics. 2012 joulu;28(23):3073-3080. <https://doi.org/10.1093/bioinformatics/bts579>

Ma L, Atta-Fynn R, Ray AK. **Elemental and mixed actinide dioxides: An ab initio study.** Journal of Theoretical and Computational Chemistry. 2012 kesä;11(3):611-629. <https://doi.org/10.1142/S021963361250040X>

Karavirta V, Helminen J, Ihantola P. **A Mobile learning application for parsons problems with automatic feedback.** julkaisussa Proceedings - 12th Koli Calling International Conference on Computing Education Research, Koli Calling 2012. 2012. s. 11-18 <https://doi.org/10.1145/2401796.2401798>

Phan DH, Suzuki J, Carroll R, Balasubramaniam S, Donnelly W, Botvich D. **Evolutionary multiobjective optimization for Green clouds.** julkaisussa GECCO'12 - Proceedings of the 14th International Conference on Genetic and Evolutionary Computation Companion. 2012. s. 19-26 <https://doi.org/10.1145/2330784.2330788>

Karamanakos P, Papafotiou G, Manias SN. **Model predictive control of the interleaved dc-dc boost converter**. julkaisussa 15th International Conference on System Theory, Control and Computing, ICSTCC 2011. 2011

Yu G, Zhang B, Bova GS, Xu J, Shih IM, Wang Y. **BACOM: In silico detection of genomic deletion types and correction of normal cell contamination in copy number data**. Bioinformatics. 2011 kesä;27(11):1473-1480. btr183. <https://doi.org/10.1093/bioinformatics/btr183>

Emmert-Streib F, Glazko GV. **Pathway analysis of expression data: Deciphering functional building blocks of complex diseases**. PLoS Computational Biology. 2011 touko;7(5). e1002053. <https://doi.org/10.1371/journal.pcbi.1002053>

Wu HH, Shen CC, Sane N, Plishker W, Bhattacharyya SS. **A model-based schedule representation for heterogeneous mapping of dataflow graphs**. julkaisussa 2011 IEEE International Symposium on Parallel and Distributed Processing, Workshops and Phd Forum, IPDPSW 2011. 2011. s. 70-81. 6008822 <https://doi.org/10.1109/IPDPS.2011.128>

Bulling A, Duchowski AT, Majaranta P. **PETMEI 2011: The 1st international workshop on pervasive eye tracking and mobile eye-based interaction**. julkaisussa UbiComp'11 - Proceedings of the 2011 ACM Conference on Ubiquitous Computing. 2011. s. 627-628 <https://doi.org/10.1145/2030112.2030248>

Khan SA, Saastamoinen J, Tiensyrjä K, Nurmi J. **System level performance simulation of distributed GENESYS applications on multi-core platforms**. julkaisussa Proceedings - IEEE 9th International Conference on Dependable, Autonomic and Secure Computing, DASC 2011. 2011. s. 313-320 <https://doi.org/10.1109/DASC.2011.70>

Altay G, Emmert-Streib F. **Revealing differences in gene network inference algorithms on the network level by ensemble methods**. Bioinformatics. 2010 touko 25;26(14):1738-1744. btq259. <https://doi.org/10.1093/bioinformatics/btq259>

Brumley BB, Jarvinen KU. **Conversion algorithms and implementations for koblitz curve cryptography**. IEEE Transactions on Computers. 2010 tammi 4;59(1):81-92. 5255226. <https://doi.org/10.1109/TC.2009.132>

Glazko GV, Emmert-Streib F. **Unite and conquer: Univariate and multivariate approaches for finding differentially expressed gene sets**. Bioinformatics. 2009 syys;25(18):2348-2354. <https://doi.org/10.1093/bioinformatics/btp406>

Koskinen JA, Kelo TO. **Pure e-learning course in information security**. julkaisussa Elci A, toimittaja, Proceedings of SIN'09, Second International Conference on Security of Information and Networks, Famagusta, North Cyprus, October 6-10, 2009. 2009. s. 8-13. 1626200 <https://doi.org/10.1145/1626195.1626200>

Emmert-Streib F, Dehmer M. **Robustness in scale-free networks: Comparing directed and undirected networks**. International Journal of Modern Physics C. 2008 touko;19(5):717-726. <https://doi.org/10.1142/S0129183108012510>

Emmert-Streib F, Dehmer M. **Nonlinear time series prediction based on a power-law noise model**. International Journal of Modern Physics C. 2007 joulu;18(12):1839-1852. <https://doi.org/10.1142/S0129183107011765>

Emmert-Streib F, Dehmer M. **Global information processing in gene networks: Fault tolerance**. julkaisussa Proceedings of the Bio-Inspired Models of Network, Information, and Computing Systems, Bionetics 2007. 2007. s. 326-329. 4610138 <https://doi.org/10.1109/BIMNICS.2007.4610138>

Emmert-Streib F. **Algorithmic computation of knot polynomials of secondary structure elements of proteins**. Journal of Computational Biology. 2006 loka 1;13(8):1503-1512. <https://doi.org/10.1089/cmb.2006.13.1503>

Emmert-Streib F. **A heterosynaptic learning rule for neural networks**. International Journal of Modern Physics C. 2006 loka;17(10):1501-1520. <https://doi.org/10.1142/S0129183106009916>

Emmert-Streib F. **Stochastic Sznajd Model in open community**. International Journal of Modern Physics C. 2005  
marras;16(11):1693-1699. <https://doi.org/10.1142/S0129183105008217>

Koskinen JA. **Non-injective knapsack public-key cryptosystems**. Theoretical Computer Science. 2001;255(1-2):401-422.  
[https://doi.org/10.1016/S0304-3975\(99\)00297-2](https://doi.org/10.1016/S0304-3975(99)00297-2)