

### **Neural networks, cell cultures and some older work on data analysis.**

Acimovic, J., 15 Jun 2009.

Research output: Other conference contribution › Paper, poster or abstract › Scientific

### **IEEE 802.11ac MIMO Transceiver Baseband Processing on a VLIW Processor**

Aghababaeetafreschi, M., Lehtonen, L. K., Levanen, T., Valkama, M. & Takala, J., 2016, In : Journal of Signal Processing Systems.

Research output: Contribution to journal › Article › Scientific › peer-review

### **Model for evaluating additive manufacturing feasibility in end-use production**

Ahtiluoto, M., Ellman, A. & Coatanea, E., 2019, In : Proceedings of the International Conference on Engineering Design, ICED. 1, 1, p. 799-808 10 p.

Research output: Contribution to journal › Conference article › Scientific › peer-review

### **ALMARVI System Solution for Image and Video Processing in Healthcare, Surveillance and Mobile Applications**

Al-Ars, Z., van der Vlugt, S., Jääskeläinen, P. & van der Linden, F., Jan 2019, In : Journal of Signal Processing Systems. 91, 1, p. 1-7

Research output: Contribution to journal › Article › Scientific › peer-review

### **Structural influence of gene networks on their inference: Analysis of C3NET**

Altay, G. & Emmert-Streib, F., 22 Jun 2011, In : Biology Direct. 6, 31.

Research output: Contribution to journal › Article › Scientific › peer-review

### **Inferring the conservative causal core of gene regulatory networks**

Altay, G. & Emmert-Streib, F., 28 Sep 2010, In : BMC Systems Biology. 4, 132.

Research output: Contribution to journal › Article › Scientific › peer-review

### **Performance evaluation of a flow control algorithm for network-on-chip**

Bakhouya, M., Chariete, A., Gaber, J., Wack, M., Niar, S. & Coatanea, E., 2012, *Proceedings of the 2012 International Conference on High Performance Computing and Simulation, HPCS 2012*. p. 281-287 7 p. 6266925

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

### **Data Flow Algorithms for Processors with Vector Extensions: Handling Actors With Internal State**

Barford, L., Bhattacharyya, S. S. & Liu, Y., 2017, In : Journal of Signal Processing Systems. 87, 1, p. 21-31

Research output: Contribution to journal › Article › Scientific › peer-review

### **Hermitian one-particle density matrix through a semiclassical gradient expansion**

Bencheikh, K. & Räsänen, E., 9 Dec 2015, In : Journal of Physics A: Mathematical and Theoretical. 49, 1, 015205.

Research output: Contribution to journal › Article › Scientific › peer-review

### **Overview of the MPEG reconfigurable video coding framework**

Bhattacharyya, S. S., Eker, J., Janneck, J. W., Lucarz, C., Mattavelli, M. & Raulet, M., May 2011, In : Journal of Signal Processing Systems. 63, 2, p. 251-263 13 p.

Research output: Contribution to journal › Article › Scientific › peer-review

### **A Hybrid Task Graph Scheduler for High Performance Image Processing Workflows**

Blattner, T., Keyrouz, W., Bhattacharyya, S. S., Halem, M. & Brady, M., 2017, In : Journal of Signal Processing Systems. 89, 3, p. 457-467 11 p.

Research output: Contribution to journal › Article › Scientific › peer-review

### **Conformational properties of complex polymers: Rosette versus star-like structures**

Blavatska, V. & Metzler, R., 7 Apr 2015, In : Journal of Physics A: Mathematical and Theoretical. 48, 13, 135001.

Research output: Contribution to journal › Article › Scientific › peer-review

### **Bringing stimulated ideation in a web environment: Students' evaluations of a basic software release**

Borgianni, Y., Lenarduzzi, V., Rotini, F. & Taibi, D., 2018, *ICDC 2018 - 5th International Conference on Design Creativity, Conference Proceedings*. Dekoninck, E., Wodehouse, A., Snider, C., Georgiev, G. & Cascini, G. (eds.). DESIGN SOCIETY, (Proceedings of the International Conference on Engineering Design, ICED).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

### **Towards generic embedded multiprocessing for RVC-CAL dataflow programs**

Boutellier, J. & Silvén, O., Nov 2013, In : *Journal of Signal Processing Systems*. 73, 2, p. 137-142 6 p.

Research output: Contribution to journal › Article › Scientific › peer-review

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Boutellier, J., Lucarz, C., Lafond, S., Gomez, V. M. & Mattavelli, M., May 2011, In : *Journal of Signal Processing Systems*. 63, 2, p. 191-202 12 p.

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### **Design Flow for GPU and Multicore Execution of Dynamic Dataflow Programs**

Boutellier, J. & Nyländén, T., 2017, In : *Journal of Signal Processing Systems*. 89, 3, p. 469–478 10 p.

Research output: Contribution to journal › Article › Scientific › peer-review

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Canelas, P., Martins, L., Mora, A., S. Ribeiro, A. & Fonseca, J., 2016, *SIMULTECH 2016 - Proceedings of the 6th International Conference on Simulation and Modeling Methodologies, Technologies and Applications*. SCITEPRESS, p. 44-55 12 p.

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Research output: Contribution to journal › Article › Scientific › peer-review

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**Properties of graph distance measures by means of discrete inequalities**

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**Organizational structure and the periphery of the gene regulatory network in B-cell lymphoma.**

de Matos Simoes, R., Tripathi, S. & Emmert-Streib, F., 14 May 2012, In : *BMC Systems Biology*. 6, 38.

Research output: Contribution to journal › Article › Scientific › peer-review

**PiMM: Parameterized and interfaced dataflow meta-model for MPSoCs runtime reconfiguration**

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**Iterative and Participative Axiomatic Design Process in complex mechanical assemblies: case study on fusion engineering**

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**Simulation of photon-photon resonance enhanced direct modulation bandwidth of DFB lasers**

Dumitrescu, M., Uusitalo, T., Virtanen, H., Laakso, A., Bardella, P. & Montrosset, I., 17 Aug 2016, *16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016*. IEEE, p. 147-148 2 p.

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**Sir distribution in D2D environment with non-stationary mobility of users**

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**Action and power efficiency in self-organization: The case for growth efficiency as a cellular objective in escherichia coli**

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**Dynamics of a buck converter with a constant power load**

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**Exploiting statically schedulable regions in dataflow programs**

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**Towards usability heuristics for games utilizing speech recognition**

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**Toward Efficient Execution of RVC-CAL Dataflow Programs on Multicore Platforms**

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**UX work in startups: Current practices and future needs**

Hokkanen, L. & Väänänen-Vainio-Mattila, K., 2015, *Agile Processes in Software Engineering and Extreme Programming: 16th International Conference, XP 2015, Helsinki, Finland, May 25-29, 2015, Proceedings*. Springer Verlag, Vol. 212, p. 81-92 12 p. (Lecture Notes in Business Information Processing; vol. 212).

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#### **Target tracking via combination of particle filter and optimisation techniques**

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Research output: Contribution to journal > Article > Scientific > peer-review

#### **Independent Loops Search in Flow Networks Aiming for Well-Conditioned System of Equations**

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#### **Power Mitigation by Performance Equalization in a Heterogeneous Reconfigurable Multicore Architecture**

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#### **Wealthy, healthy and/or happy —what does 'ecosystem health' stand for?**

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#### **Revenue models of application developers in android market ecosystem**

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#### **Reduced level of docosahexaenoic acid shifts GPCR neuroreceptors to less ordered membrane regions**

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#### **Entropy analysis of word-length series of natural language texts: Effects of text language and genre**

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### **PRBS-based loop gain identification and output impedance shaping in DC microgrid power converters**

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### **Implementation of a direct procedure for critical point computations using preconditioned iterative solvers**

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### **Very sharp diffraction peak in nonglass-forming liquid with the formation of distorted tetraclusters**

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### **Color Constancy Convolutional Autoencoder**

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### **Applying SCRUM in an OSS development process: An empirical evaluation**

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### **OP2A: How to improve the quality of the web portal of open source software products**

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### **Prioritizing corrective maintenance activities for android applications: An industrial case study on android crash reports**

Lenarduzzi, V., Stan, A. C., Taibi, D., Venters, G. & Windegger, M., Jan 2018, *Software Quality: Methods and Tools for Better Software and Systems - 10th International Conference, SWQD 2018, Proceedings*. Springer-Verlag Berlin Heidelberg, p. 133-143 11 p. (Lecture Notes in Business Information Processing; vol. 302).

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### **Functional size measures and effort estimation in agile development: A replicated study**

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### **Influence of relative humidity and physical load during storage on dustiness of inorganic nanomaterials: implications for testing and risk assessment**

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### **Parallel Digital Predistortion Design on Mobile GPU and Embedded Multicore CPU for Mobile Transmitters**

Li, K., Ghazi, A., Tarver, C., Boutellier, J., Abdelaziz, M., Anttila, L., Juntti, M., Valkama, M. & Cavallaro, J. R., 2017, In : *Journal of Signal Processing Systems*. 89, 3, p. 417-430 14 p.

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