

**A comparison between joint regression analysis and the AMMI model: A case study with barley**

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**Acoustic Modelling**

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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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**Adaptive autoregressive model for reduction of noise in SPECT**

Takalo, R., Hytti, H., Ihalainen, H. & Sohlberg, A., 2015, In : Computational and Mathematical Methods in Medicine. 2015, 494691.

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**A framework for building behavioral models for design-stage failure identification using dimensional analysis**

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**Ageing first passage time density in continuous time random walks and quenched energy landscapes**

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**A hybrid optimization grey model based on segmented gra and multi-strategy contest for short-term power load forecasting**

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**An image generator platform to improve cell tracking algorithms simulation of objects of various morphologies, kinetics and clustering**

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

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**A prospect for computing in porous materials research: Very large fluid flow simulations**

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**Assessment of mutation probabilities of KRAS G12 missense mutants and their long-timescale dynamics by atomistic molecular simulations and Markov state modeling**

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**Automatic hierarchical discovery of quasi-static schedules of RVC-CAL dataflow programs**

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**Automatic word count estimation from daylong child-centered recordings in various language environments using language-independent syllabification of speech**

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### **Business Model Innovation of Startups Developing Multisided Digital Platforms**

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### **Client-Side Cornucopia: Comparing the Built-In Application Architecture Models in the Web Browser**

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### **Color Constancy Convolutional Autoencoder**

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### **Comb Model with Slow and Ultraslow Diffusion**

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### **Concerted regulation of npc2 binding to endosomal/lysosomal membranes by bis(monoacylglycero)phosphate and sphingomyelin**

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#### **Continuum approach to high-cycle fatigue. The finite life-time case with stochastic stress history**

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#### **Cuts for 3-D magnetic scalar potentials: Visualizing unintuitive surfaces arising from trivial knots**

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

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#### **Development of an England-wide indoor overheating and air pollution model using artificial neural networks**

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**Ecosystems Here, There, and Everywhere — A Barometrical Analysis of the Roots of ‘Software Ecosystem’**

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**Eeny, Meeny, Miny, Mo...: A multiple case study on selecting a technique for user-interaction data collecting**

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**Effect of paint baking treatment on the properties of press hardened boron steels**

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**Employing a multi-Objective robust optimisation method for healthy and low-energy dwelling design in Delhi, India**

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**Energy Detection-Based Spectrum Sensing over Fisher-Snedecor F Fading Channels**

Yoo, S. K., Cotton, S. L., Sofotasios, P. C., Muhaidat, S., Badarneh, O. S. & Karagiannidis, G. K., 20 Feb 2019, *2018 IEEE Global Communications Conference*. IEEE, 8647778

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**Enhanced multiaxial fatigue criterion that considers stress gradient effects**

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

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**Exploiting statically schedulable regions in dataflow programs**

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

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**Graph based representation and analyses for conceptual stages**

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### **Harnessing the complexity of gene expression data from cancer: From single gene to structural pathway methods**

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

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### **Hysteresis and eddy-current losses in electrical steel utilising edge degradation due to cutting effects**

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

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

Kouhia, R., Tuma, M., Mäkinen, J., Fedoroff, A. & Marjamäki, H., Oct 2012, In : *Computers & Structures*. 108-109, p. 110-117 8 p.

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

### **Improved Session Continuity in 5G NR with Joint Use of Multi-Connectivity and Guard Bandwidth**

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

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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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**Information processing in the transcriptional regulatory network of yeast: Functional robustness**

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**Instrumentation-Driven Validation of Dataflow Applications**

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

Di Gironimo, G., Lanzotti, A., Marzullo, D., Esposito, G., Carfora, D. & Siuko, M., 22 Mar 2015, In : *International Journal on Interactive Design and Manufacturing*. 9, 4, p. 325-338 14 p.

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**Knowledge-based artificial neural network (KB-ANN) in engineering: Associating functional architecture modeling, dimensional analysis and causal graphs to produce optimized topologies for KB-ANNs**

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**Lean manufacturing methods in simulation literature: Review and association analysis**

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**Lean software startup – an experience report from an entrepreneurial software business course**

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**Mapping parameterized cyclo-static dataflow graphs onto configurable hardware**

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**Measurement theory and dimensional analysis: Methodological impact on the comparison and evaluation process**

Coatanéa, E., Yannou, B., Honkala, S., Lajunen, A., Saarelainen, T. & Makkonen, P., 2008, *19th International Conference on Design Theory and Methodology and 1st International Conference on Micro and Nano Systems, presented at - 2007 ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conference, IDETC/CIE2007*. AMER SOC MECHANICAL ENGINEERS, p. 173-182 10 p.

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

**Minimum viable user experience: A framework for supporting product design in startups**

Hokkanen, L., Kuusinen, K. & Väänänen, K., 2016, *Agile Processes, in Software Engineering, and Extreme Programming: 17th International Conference, XP 2016, Edinburgh, UK, May 24-27, 2016, Proceedings*. Springer Verlag, p. 66-78 13 p. (Lecture Notes in Business Information Processing; vol. 251).

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