

**The effect of challenge-based gamification on learning: An experiment in the context of statistics education**

Legaki, N. Z., Xi, N., Hamari, J., Karpouzis, K. & Assimakopoulos, V., 1 Dec 2020, In : International Journal of Human Computer Studies. 144, 102496.

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

**Some SonarQube issues have a significant but small effect on faults and changes. A large-scale empirical study**

Lenarduzzi, V., Saarimäki, N. & Taibi, D., Dec 2020, In : Journal of Systems and Software. 170, 15 p., 110750.

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**Necessary and sufficient conditions for the existence of solution of generalized fuzzy relation equations  $A \Leftrightarrow X = B$**

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**Using Deep Learning for price prediction by exploiting stationary limit order book features**

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**On the zeros of the partial Hosoya polynomial of graphs**

Ghorbani, M., Dehmer, M., Cao, S., Feng, L., Tao, J. & Emmert-Streib, F., 1 Jul 2020, In : Information Sciences. 524, p. 199-215 17 p.

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**Gaussian mixture models for signal mapping and positioning**

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**A custom processor for protocol-independent packet parsing**

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**Anthropometric clothing measurements from 3D body scans**

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**Shearlet Transform-Based Light Field Compression under Low Bitrates**

Ahmad, W., Vagharshakyan, S., Sjostrom, M., Gotchev, A., Bregovic, R. & Olsson, R., 2020, In : IEEE Transactions on Image Processing. 29, p. 4269-4280 12 p.

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**Validating effectiveness of safety requirements' compliance evaluation in process assessments**

Varkoi, T., Mäkinen, T., Cameron, F. & Nevalainen, R., 2020, In : Journal of Software: Evolution and Process. 32, 3, 16 p., e2177.

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**Censor-Based Cooperative Multi-Antenna Spectrum Sensing with Imperfect Reporting Channels**

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**Compressive sensed video recovery via iterative thresholding with random transforms**

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### **On the diffuseness of technical debt items and accuracy of remediation time when using SonarQube**

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

### **FinnForest dataset: A forest landscape for visual SLAM**

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### **Does code quality affect pull request acceptance? An empirical study**

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### **Multimodal subspace support vector data description**

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### **Programming languages for data-intensive HPC applications: A systematic mapping study**

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### **Feasibility of FPGA accelerated IPsec on cloud**

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### **Action-Oriented Programming Model: Collective Executions and Interactions in the Fog**

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### **DevOps in practice: A multiple case study of five companies**

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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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### **Are architectural smells independent from code smells? An empirical study**

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### **Challenges and recommended practices for software architecting in global software development**

Sievi-Korte, O., Beecham, S. & Richardson, I., 1 Feb 2019, In : Information and Software Technology. 106, p. 234-253 20 p.

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### **Towards detecting structural branching and cyclicity in graphs: A polynomial-based approach**

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### **Institutional Perspectives on the Process of Enterprise Architecture Adoption**

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### **Zeffiro User Interface for Electromagnetic Brain Imaging: a GPU Accelerated FEM Tool for Forward and Inverse Computations in Matlab**

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### **Graph Embedded Extreme Learning Machine**

Iosifidis, A., Tefas, A. & Pitas, I., 2016, In : IEEE Transactions on Cybernetics. 46, 1, p. 311 - 324

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

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

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### **Software Startups - A Research Agenda**

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#### **"The superhero of the university": Experience-driven design and field study of the university guidance robot**

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**Color game: A collaborative social robotic game for icebreaking; Towards the design of robotic ambiances as part of smart building services**

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**Demographic differences in accumulated types of capital in massively multiplayer online role-playing games**

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**Exploration and exploitation of sensorimotor contingencies for a cognitive embodied agent**

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**Patterns for serverless functions (Function-as-a-Service): A multivocal literature review**

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