

**Accurate depth estimation from a sequence of monocular images supported by proprioceptive sensors**

Davidson, P., Raunio, J. P. & Piché, R., 2016, *23rd Saint Petersburg International Conference on Integrated Navigation Systems, ICINS 2016 - Proceedings*. State Research Center of the Russian Federation, p. 249-257 9 p.

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

**Achievable rate regions and self-interference channel estimation in hybrid full-duplex/half-duplex radio links**

Korpi, D., Riihonen, T. & Valkama, M., 15 Apr 2015, *2015 49th Annual Conference on Information Sciences and Systems, CISS 2015*. The Institute of Electrical and Electronics Engineers, Inc.

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**A coordination-based brokerage architecture for multi-cloud resource markets**

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

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**Adaptive and nonlinear control of discharge pressure for variable displacement axial piston pumps**

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**A dynamical quality model to continuously monitor software maintenance**

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

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

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**A model for assessing learning management system success in higher education in sub-saharan Countries**

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**Analysis of an efficient parallel implementation of active-set Newton algorithm**

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**Analysis of source code snapshot granularity levels**

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### **An evaluation of the virtual curvature with the StickGrip haptic device: A case study**

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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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### **A post-mortem empirical investigation of the popularity and distribution of malware files in the contemporary web-facing internet**

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### **Application and theory of Petri nets and other models of concurrency: Special issue of selected papers from Petri Nets 2015**

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Research output: Contribution to journal > Editorial > Scientific

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

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### **A Practical Perspective on 5G-Ready Highly Dynamic Spectrum Management with LSA**

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

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### **Concept design and performance evaluation of UAV-based backhaul link with antenna steering**

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### **Data flow algorithms for processors with vector extensions: Handling actors with internal state**

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#### **Estimating topographic heights with the StickGrip haptic device**

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#### **Experimenting traditional and modern reliability models in a 3-years european software project**

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#### **Farm detection based on deep convolutional neural nets and semi-supervised green texture detection using VIS-NIR satellite image**

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#### **Methodology for energy efficiency assessment in the transport sector for smart cities**

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#### **Security Analysis of Various Industrial Devices**

Seppälä, J., Takanen, A., Korju, J. & Häyrynen, A., 2015, *International Conference on Computer Security in a Nuclear World: Expert Discussion and Exchange, 1-5 June, 2015, Vienna, Austria*. INTERNATIONAL ATOMIC ENERGY AGENCY, 8 p. 132

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

#### **Seek, share, or withhold: information trading in MMORPGs**

Harviainen, J. T. & Hamari, J., 12 Oct 2015, In : JOURNAL OF DOCUMENTATION. 71, 6, p. 1119-1134 16 p.

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

#### **SiMPE: 7th Workshop on speech and sound in mobile and pervasive environments**

Nanavati, A. A., Rajput, N., Rudnicky, A. I., Turunen, M., Sandholm, T., Munteanu, C. & Penn, G., 2012, *MobileHCI'12 - Companion Proceedings of the 14th International Conference on Human Computer Interaction with Mobile Devices and Services*. p. 251-253 3 p.

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

#### **Simultaneous Jamming and RC System Detection by Using Full-Duplex Radio Technology**

Saikanmäki, J., Turunen, M., Mäenpää, M., Saarinen, A-P. & Riihonen, T., 1 May 2019, *2019 International Conference on Military Communications and Information Systems, ICMCIS 2019*. IEEE

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

#### **Social behavior in bacterial nanonetworks: Challenges and opportunities**

Hasan, M., Hossain, E., Balasubramaniam, S. & Koucheryavy, Y., 1 Jan 2015, In : IEEE Network. 29, 1, p. 26-34 9 p., 7018200.

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

#### **Socially inspired relaying and proactive mode selection in mmWave vehicular communications**

Moltchanov, D., Kovalchukov, R., Gerasimenko, M., Andreev, S., Koucheryavy, Y. & Gerla, M., 1 Jun 2019, In : IEEE Internet of Things Journal. 6, 3, p. 5172-5183 12 p.

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

#### **Social media -based value creation and business models**

Ketonen-Oksi, S., Jussila, J. J. & Kärkkäinen, H., 2016, In : Industrial Management and Data Systems. 116, 8, p. 1820-1838

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

#### **Social networking services as a facilitator for scientists' sharing activities**

Kalb, H., Pirkkalainen, H., Pawlowski, J. & Schoop, E., 2011, *19th European Conference on Information Systems, ECIS 2011*.

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

#### **Software architecture design in global software development: An empirical study**

Sievi-Korte, O., Richardson, I. & Beecham, S., 1 Dec 2019, In : Journal of Systems and Software. 158, 110400.

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

#### **Software vulnerability life cycles and the age of software products: An empirical assertion with operating system products**

Ruohonen, J., Hyrynsalmi, S. & Leppänen, V., 2016, *Advanced Information Systems Engineering Workshops - CAiSE 2016 International Workshops, Proceedings*. Springer Verlag, p. 207-218 12 p. (Lecture Notes in Business Information Processing; vol. 249).

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

### **Soziale Wissensumgebungen**

Translated title of the contribution: : Social Knowledge Environments

Pawlowski, J. M., Bick, M., Peinl, R., Thalmann, S., Maier, R., Hetmank, L., Kruse, P., Martensen, M. & Pirkkalainen, H., 2014, In : WIRTSCHAFTSINFORMATIK. 56, 2, p. 91-100 10 p.

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

### **Sparse nonparametric topic model for transfer learning**

Faisal, A., Gillberg, J., Peltonen, J., Leen, G. & Kaski, S., 2012, *ESANN 2012 proceedings, 20th European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning*. i6doc.com publication, p. 269-274 6 p.

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

### **Special Issue on Embedded Computer Systems: Architectures, Modeling and Simulation**

McAllister, J., Guevorkian, D., Jeschke, H. & Sima, M., 2014, In : International Journal of Parallel Programming. 43, 1

Research output: Contribution to journal › Special issue › Scientific › peer-review

### **Still image/video frame lossy compression providing a desired visual quality**

Zemliachenko, A., Lukin, V., Ponomarenko, N., Egiazarian, K. & Astola, J., 2016, In : Multidimensional Systems and Signal Processing. 27, 3, p. 697-718

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

### **Supplier's Expectations on Usage Data Analytics of Complex Industrial Systems**

Väätäjä, H., Heimonen, T., Tiitinen, K., Hakulinen, J. & Turunen, M., 2015, *ISPIIM Innovation Summit 2015*. Huizingh, E., Conn, S. & Bitran, I. (eds.). International Society for Professional Innovation Management ISPIIM

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

### **Sweep Jamming Mitigation Using Adaptive Filtering for Detecting Frequency Agile Systems**

Pärilin, K., Riihonen, T. & Turunen, M., 1 May 2019, *2019 International Conference on Military Communications and Information Systems, ICMCIS 2019*. IEEE

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

### **Task-based information interaction evaluation: The viewpoint of program theory**

Järvelin, K., Vakkari, P., Arvola, P., Baskaya, F., Järvelin, A., Kekäläinen, J., Keskustalo, H., Kumpulainen, S., Saastamoinen, M., Savolainen, R. & Sormunen, E., 1 Mar 2015, In : ACM Transactions on Information Systems. 33, 1, 3.

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

### **Task complexity and information searching in administrative tasks revisited**

Saastamoinen, M., Kumpulainen, S. & Järvelin, K., 2012, *IliX 2012 - Proceedings 4th Information Interaction in Context Symposium: Behaviors, Interactions, Interfaces, Systems*. p. 204-213 10 p.

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

### **Teaching for virtual work**

Henno, J., Jaakkola, H. & Mäkelä, J., 1 May 2019, *2019 42nd International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2019 - Proceedings*. Skala, K., Car, Z., Pale, P., Huljenic, D., Janjic, M., Koracic, M., Sruk, V., Ribaric, S., Grbac, T. G., Butkovic, Z., Cicin-Sain, M., Skvorc, D., Mauher, M., Babic, S., Gros, S., Vrdoljak, B. & Tijan, E. (eds.). IEEE, p. 818-826 9 p.

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

### **Technostress and social networking services: Uncovering strains and their underlying stressors**

Salo, M., Pirkkalainen, H. & Koskelainen, T., 2017, *Nordic Contributions in IS Research - 8th Scandinavian Conference on Information Systems, SCIS 2017, Proceedings*. Springer Verlag, p. 41-53 13 p. (Lecture Notes in Business Information Processing; vol. 294).

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

### **The comfort zone concept in a human-robot cooperative task**

Changizi, A. & Lanz, M., 2019, *Precision Assembly in the Digital Age - 8th IFIP WG 5.5 International Precision Assembly Seminar, IPAS 2018, Revised Selected Papers*. Springer New York LLC, Vol. 530. p. 82-91 10 p. (IFIP Advances in

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

#### **The educators' telescope to the future of technology**

Jaakkola, H., Henno, J., Thalheim, B. & Mäkelä, J., 10 Jul 2017, *2017 40th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2017 - Proceedings*. IEEE, p. 660-665 6 p.

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#### **The Fuzzy Front End of Experience Design: Eliciting and Communicating Experience Goals**

Varsaluoma, J., Väättäjä, H., Kaasinen, E., Karvonen, H. & Lu, Y., 2015, *OzCHI '15 - Proceedings of the Annual Meeting of the Australian Special Interest Group for Computer Human Interaction*. ACM, p. 324-332 9 p.

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#### **The influence of developer multi-homing on competition between software ecosystems**

Hyrnsalmi, S., Suominen, A. & Mäntymäki, M., 1 Jan 2016, In : *Journal of Systems and Software*. 111, p. 119-127 9 p.

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#### **The Web as a software platform: Ten years later**

Taivalsaari, A. & Mikkonen, T., 2017, *WEBIST 2017 - Proceedings of the 13th International Conference on Web Information Systems and Technologies*. SCITEPRESS, p. 41-50 10 p.

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

#### **Today is the future of yesterday; What is the future of today?**

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

#### **To network or not to network? Analysis of the Finnish software industry-A networking approach**

Yrjönkoski, K., Helander, N. & Jaakkola, H., 2016, *Software Business: 7th International Conference, ICSOB 2016, Ljubljana, Slovenia, June 13-14, 2016, Proceedings*. Springer Verlag, p. 124-134 11 p. (Lecture Notes in Business Information Processing; vol. 240).

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

#### **Topological patterns for scalable representation and analysis of dataflow graphs**

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

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

Hautala, I., Boutellier, J., Nyländén, T. & Silvén, O., Nov 2018, In : *Journal of Signal Processing Systems*. 90, 11, p. 1507-1517 11 p.

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

#### **Towards a lean approach to reduce code smells injection: An empirical study**

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

### **Towards certifying the testing process of open-source software: New challenges or old methodologies?**

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

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### **Trails across the heterogeneous information environment: Manual integration patterns of search systems in molecular medicine**

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

### **Using elicitation studies to generate collocated interaction methods**

Jokela, T., Rezaei, P. P. & Väänänen, K., 6 Sep 2016, *Proceedings of the 18th International Conference on Human-Computer Interaction with Mobile Devices and Services Adjunct, MobileHCI 2016*. ACM, p. 1129-1133 5 p.

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

### **Using the entity-attribute-value model for olap cube construction**

Thanisch, P., Niemi, T., Niinimäki, M. & Nummenmaa, J., 2011, *Perspectives in Business Informatics Research - 10th International Conference, BIR 2011, Proceedings*. Springer Verlag, Vol. 90 LNBIP. p. 59-72 14 p. (Lecture Notes in Business Information Processing; vol. 90 LNBIP).

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

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

### **Variation in noun and pronoun frequencies in a sociohistorical corpus of English**

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### **Visibility-Aware Part Coding for Vehicle Viewing Angle Estimation**

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### **VR shopping: A review of literature**

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

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

### **WeSlide: Gestural text entry for elderly users of interactive television**

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### **Why do people buy virtual goods? Attitude toward virtual good purchases versus game enjoyment**

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

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### **Why do we need this? Roles in the information system acquisition legitimation process**

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