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Iterative unsupervised domain adaptation for generalized cell detection from brightfield z-stacks

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Challenges and recommended practices for software architecting in global software development

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Towards sustainable manufacturing by extending Manufacturing Execution System functions

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

Additional lossless compression of JPEG images based on BPG

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

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

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Performance evaluation of bandwidth reservation for mmWave 5G NR systems

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

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1.3µm U-bend traveling wave SOA devices for high efficiency coupling to silicon photonics

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405-nm pumped Ce³⁺-doped silica fiber for broadband fluorescence from cyan to red

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

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Customized dimensional analysis conceptual modelling framework for design optimization—a case study on the cross-flow micro turbine model

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MECSELS with direct emission in the 760 nm to 810 nm spectral range: A single- and double-side pumping comparison and high-power continuous-wave operation

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Switchable unidirectional second-harmonic emission through GaAs nanoantennas

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A Portable Microscale Cell Culture System with Indirect Temperature Control

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A multi-purpose automated vehicular platform with multi-radio connectivity capabilities

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Ergodic Capacity Analysis of Wireless Transmission over Generalized Multipath/Shadowing Channels

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Performance Analysis of Single Carrier Coherent and Noncoherent Modulation under I/Q Imbalance

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Ray-based evaluation of dual-polarized MIMO in (Ultra-)dense millimeter-wave urban deployments

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Modeling and cancellation of self-interference in full-duplex radio transceivers: Volterra series-based approach

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Towards the Utilization of Crowdsourcing in Traffic Condition Reporting

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Preventing keystroke based identification in open data sets

Leinonen, J., Ihanntola, P. & Hellas, A., 12 Apr 2017, *L@S 2017 - Proceedings of the 4th (2017) ACM Conference on Learning at Scale*. ACM, p. 101-109 9 p.

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A Mixed Finite Element Method to Solve the EEG Forward Problem

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A survey on control of hydraulic robotic manipulators with projection to future trends

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

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Research output: Contribution to journal > Editorial > Scientific

Interference and SINR in Millimeter Wave and Terahertz Communication Systems With Blocking and Directional Antennas

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

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Effects of Heterogeneous Mobility on D2D-and Drone-Assisted Mission-Critical MTC in 5G

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GSAR: Bioconductor package for Gene Set analysis in R

Rahmatallah, Y., Zybailov, B., Emmert-Streib, F. & Glazko, G., 24 Jan 2017, In : BMC Bioinformatics. 18, 1, 61.

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

Efficient coding of 360-degree pseudo-cylindrical panoramic video for virtual reality applications

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

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

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Time-Dependent Energy and Resource Management in Mobility-Aware D2D-Empowered 5G Systems

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Toward trusted, social-aware D2D connectivity: Bridging across the technology and sociality realms

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Feasibility characterization of cryptographic primitives for constrained (wearable) IoT devices

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A unifying perspective on proximity-based cellular-assisted mobile social networking

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Digital storytelling promoting twenty-first century skills and student engagement

Niemi, H. & Multisilta, J., 2016, In : Technology, Pedagogy and Education. 25, 4, p. 451-468

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

Dots-on-the-fly electron beam lithography

Isotalo, T. J. & Niemi, T., 2016, *SPIE Proceedings: Alternative Lithographic Technologies VIII*. Bencher, C. (ed.). SPIE, Vol. 9777. 7 p. 97771E. (Proceedings of SPIE).

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

Fabrication and characterization of broadband superluminescent diodes for 2 μm wavelength

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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

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

High-power 1550 nm tapered DBR lasers fabricated using soft UV-nanoimprint lithography

Viheriälä, J., Aho, A. T., Mäkelä, J., Salmi, J., Virtanen, H., Leinonen, T., Dumitrescu, M. & Guina, M., 2016, *High-Power Diode Laser Technology and Applications XIV*. SPIE, 7 p. 97330Q. (SPIE Conference Proceedings; vol. 9733).

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

Integrating III-V, Si, and polymer waveguides for optical interconnects: RAPIDO

Aalto, T., Harjanne, M., Offrein, B. J., Caër, C., Neumeyr, C., Malacarne, A., Guina, M., Sheehan, R. N., Peters, F. H. & Melanen, P., 2016, *Optical Interconnects XVI*. SPIE, 97530D. (Proceedings of SPIE; vol. 9753).

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

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

Technoeconomical Analysis of Macrocell and Femtocell Based HetNet under Different Deployment Constraints

Yunas, S. F., Ansari, W. H. & Valkama, M., 2016, In : *Mobile Information Systems*. 2016, 6927678.

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

Two models for hydraulic cylinders in flexible multibody simulations

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

Energy cooperation for throughput optimization based on save-then-transmit protocol in wireless communication system

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

Bispectrum-based demodulation technique using triple-channel heterodyning of triplet-signal

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Idea-space: A use case of collaborative course development in higher education

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