

**First principles prediction of the solar cell efficiency of chalcopyrite materials  $\text{AgMX}_2$  (M=In, Al; X=S, Se, Te)**

Dongho-Nguimdo, G. M., Igumbor, E., Zambou, S. & Joubert, D. P., 1 Dec 2019, In : Computational Condensed Matter. 21, e00391.

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

**Automatization and stress analysis data of CoCr laser weld fatigue tests**

Kanerva, M., Besharat, Z., Pärnänen, T., Jokinen, J., Honkanen, M., Sarlin, E., Göthelid, M. & Schlenzka, D., 1 Oct 2019, In : Data in Brief. 26, 104374.

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

**DroneRF dataset: A dataset of drones for RF-based detection, classification and identification**

Allahham, MHD. S., Al-Sa'd, M. F., Al-Ali, A., Mohamed, A., Khattab, T. & Erbad, A., 1 Oct 2019, In : Data in Brief. 26, 104313.

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

**Participatory service design and community involvement in designing future-ready sustainable learning landscapes**

Sandström, N., Nevgi, A. & Nenonen, S., 2 Sep 2019, *SBE 19 - Emerging Concepts for Sustainable Built Environment 22–24 May 2019, Helsinki, Finland*. IOP Publishing, (IOP Conference Series: Earth and Environmental Science; vol. 297).

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

**Discovering collaborative and inclusive solutions to co-create multidimensional value in cross-sector collaboration**

Vuori, V., Bor, S., Polsa, P., Käpylä, J. & Helander, N., Sep 2019, *Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management: 17-19 September, 2019, Vienna, Austria*. SCITEPRESS, p. 364-369 6 p. (IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management; vol. 3).

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

**Research-industry collaboration: a review of the literature on evaluation methods and motivations**

Solodko, A., Mäkinen, S., Lasheras, N. C., Bedolla, J. S. & Saari, U., 29 Aug 2019, *PICMET 2019 Conference: August 25-29, 2019, Portland, Oregon, USA*. Portland, 7 p. 19R0108

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

**Enabling cybersecurity incident reporting and coordinated handling for maritime sector**

Silverajan, B. & Vistiaho, P., 1 Aug 2019, *2019 14th Asia Joint Conference on Information Security, AsiaJCIS 2019*. IEEE, p. 88-95 8 p.

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

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

Yang, D., Qian, Y., Cai, D., Yan, S., Kämäräinen, J.-K. & Chen, K., 1 Aug 2019, *9th International Conference on Information Science and Technology, ICIST 2019*. IEEE, p. 65-70 6 p.

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

**Profile extraction and deep autoencoder feature extraction for elevator fault detection**

Mishra, K., Krogerus, T. & Huhtala, K., 28 Jul 2019, *16th International Conference on Signal Processing and Multimedia Applications: SIGMAP 2019, 26-28 July, 2019, Prague, Czech Republic*. Callegari, C. (ed.). 2019 ed. Prague, Czech Republic: SCITEPRESS, Vol. 16. p. 313-320 8 p.

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

**Empirical study of good, bad and ugly modular engineering solutions in machinery manufacturing industry**

Juuti, T., Pakkanen, J. & Lehtonen, T., 26 Jul 2019, *Proceedings of the Design Society: International Conference on Engineering Design: The 22nd International Conference on Engineering Design, ICED19, Delft, The Netherlands, 5-8 August 2019*. Cambridge University Press, p. 2981-2990 10 p. (Proceedings of the Design Society: International Conference on Engineering Design).

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

**Actors' agency in the routines of innovation project portfolio management**

Martinsuo, M. & Vuorinen, L., 26 Jun 2019, *Proceedings of the EURAM European Academy of Management Conference 2019: 26-28 June 2019, Lisbon, Portugal*. European Academy of Management, EURAM, 26 p. (EURAM conference).

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

### **Diffusion of innovation: Case of co-design of cabins in mobile work machine industry**

Ellman, A. & Tiainen, T., 1 Jun 2019, In : *Computers*. 8, 2, 39.

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

### **Knowledge management practices to overcome network-level knowledge barriers: an artificial intelligence powered literature review**

Vuori, V. & Helander, N., Jun 2019, *Proceedings of International Forum on Knowledge Asset Dynamics 2019: 5-7 June 2019, Matera, Italy*. (IFKAD Proceedings eBooks).

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

### **Normalization of deviance in the construction industry, a managerial perspective**

Hajikazemi, S., Ahola, T., Aaltonen, K., Aarseth, W. & Andersen, B., Jun 2019, *European Academy of Management Conference 2019, EURAM: 26-28 June, Lissabon, Portugal*. (European academy of management annual conference).

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

### **The circular economy of projects**

Ahola, T. & Martinsuo, M., Jun 2019, *European Academy of Management Conference EURAM 2019: 26-28 June, Lisbon, Portugal*. (European academy of management annual conference).

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

### **Double-side pumped membrane external-cavity surface-emitting laser (MECSEL) with increased efficiency emitting > 3 W in the 780 nm region**

Kahle, H., Phung, H-M., Penttinen, J-P., Rajala, P., Tukiainen, A., Ranta, S. & Guina, M., 1 May 2019, *2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings*. IEEE

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

### **Frequency Comb Generation in a Continuous-Wave Pumped Second-Order Nonlinear Waveguide Resonator**

Abdallah, Z., Stefszky, M., Ulvila, V., Silberhorn, C. & Vainio, M., 1 May 2019, *2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings*. IEEE

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

### **High-Q resonance train in a plasmonic metasurface**

Saad-Bin-Alam, M., Reshef, O., Huttunen, M. J., Carlow, G., Sullivan, B., Menard, J. M., Dolgaleva, K. & Boyd, R. W., 1 May 2019, *2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings*. IEEE

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

### **Optical Frequency Comb Photoacoustic Spectroscopy**

Sadieq, I., Mikkonen, T., Vainio, M., Toivonen, J. & Foltynowicz, A., 1 May 2019, *2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings*. IEEE

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

### **A Semantic Meta-Model Repository for Lightweight M2M**

Silverajan, B., Zhao, H. & Kamath, A., 11 Apr 2019, *2018 IEEE International Conference on Communication Systems, ICCS 2018*. IEEE, p. 468-472 5 p.

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

### **Muovipäälysteisten lattioiden vaurioituminen kosteuden vaikutuksesta**

Leivo, V., Sarlin, E., Suonketo, J., Pikkuvirta, J. & Pentti, M., 14 Mar 2019, *Sisäilmastoseminaari 2019: 14.3.2019 : Sisäilmayhdistys raportti 37*. SIY SISÄILMATIETO OY, p. 383-388 6 p. (SIY Raportti; no. 37).

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

### **Large mode area double clad ytterbium tapered fiber with circular birefringency**

Rissanen, J., Fedotov, A., Noronen, T., Gumenyuk, R., Chamorovskii, Y., Kolosovskii, A., Voloshin, V., Vorobev, I., Odnoblyudov, M. & Filippov, V., 7 Mar 2019, *Proceedings of SPIE : Fiber Lasers XVI: Technology and Systems*. Carter, A. L. & Dong, L. (eds.). SPIE-INT SOC OPTICAL ENGINEERING, 8 p. (Proceedings of SPIE; vol. 10897).

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

#### **Analysis of upconversion nanoparticles as an active medium for upconversion light sources**

Fedotov, A., Pominova, D., Orlovskaya, E., Orlovskii, Y., Niemi, T. & Gumenyuk, R., 1 Mar 2019, *Proceedings of SPIE: Optical Components and Materials XVI*. S P I E - International Society for Optical Engineering, Vol. 10914. 9 p. 109140R. (Proceedings of SPIE : the International Society for Optical Engineering; vol. 10914).

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

#### **Accurate impedance model of grid-connected inverter for small-signal stability assessment in high-impedance grid**

Messo, T., Roinila, T., Aapro, A. & Luhtala, R., 1 Feb 2019, (Accepted/In press) In : *IEEE JOURNAL OF INDUSTRY APPLICATIONS*. 8, 3, 3.

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

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

Viherialä, J., Tuorila, H., Zia, N., Cherchi, M., Aalto, T. & Guina, M., 2019, *Silicon Photonics XIV*. Reed, G. T. & Knights, A. P. (eds.). SPIE, IEEE, 109230E. (Proceedings of SPIE - The International Society for Optical Engineering; vol. 10923).

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

#### **1.55-µm wavelength wafer-fused OP-VECSELs in flip-chip configuration**

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

#### **405-nm pumped Ce<sup>3+</sup>-doped silica fiber for broadband fluorescence from cyan to red**

Yadav, A., Chichkov, N. B., Gumenyuk, R., Zherebtsov, E., Melkumov, M. A., Yashkov, M. V., Dianov, E. M. & Rafailov, E. U., 2019, *Optical Components and Materials XVI*. Digonnet, M. J. F. & Jiang, S. (eds.). SPIE, IEEE, 1091406. (Proceedings of SPIE - The International Society for Optical Engineering; vol. 10914).

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

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

Georgiev, G. Y., Aho, T., Kesseli, J., Yli-Harja, O. & Kauffman, S. A., 2019, *Evolution, Development and Complexity - Multiscale Evolutionary Models of Complex Adaptive Systems*. Flores Martinez, C. L., Georgiev, G. Y., Smart, J. M. & Price, M. E. (eds.). Springer, p. 229-244 16 p. (Springer Proceedings in Complexity).

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

#### **A model for profiling information and knowledge management in the public sector**

Jääskeläinen, A., Sillanpää, V. & Helander, N., 2019, *Proceedings of 14th IFKAD 2019 conference: Matera, Italy, 5-7 June*. (Proceedings IFKAD).

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

#### **Benchmarking of several disparity estimation algorithms for light field processing**

Zakeri, F. S., Bätz, M., Jaschke, T., Keinert, J. & Chuchvara, A., 2019, *Fourteenth International Conference on Quality Control by Artificial Vision*. Bazeille, S., Verrier, N. & Cudel, C. (eds.). SPIE, IEEE, 111721C. (Proceedings of SPIE - The International Society for Optical Engineering; vol. 11172).

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

#### **Business intelligence process model revisited**

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

#### **Challenges in developing data-based value creation**

Myllärniemi, J., Helander, N. & Pekkola, S., 2019, *IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management*. Bernardino, J., Salgado, A. & Filipe, J. (eds.). SCITEPRESS, p. 370-376 7 p. (IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge

Discovery, Knowledge Engineering and Knowledge Management; vol. 3).

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

#### **Co-creating digital services for citizens: Activity theory analysis**

Jussila, J., Kukkamäki, J. & Helander, N., 2019, *IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management*. Bernardino, J., Salgado, A. & Filipe, J. (eds.). SCITEPRESS, p. 285-290 6 p. (IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management; vol. 3).

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

#### **Dynamics of value in technology inspired value co-creation: Case in homecare value network**

Tiitola, V., Korhonen, T., Laine, T. & Lyly-Yrjänäinen, J., 2019, *14th IFKAD 2019 Proceedings: 5-7 June 2019, Matera, Italy*. IKAM Centro Studi & Ricerche, (PROCEEDINGS IFKAD).

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

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

Sharifzadeh, S., Tata, J. & Tan, B., 2019, *DATA 2019 - Proceedings of the 8th International Conference on Data Science, Technology and Applications*. Hammoudi, S., Quix, C. & Bernardino, J. (eds.). SCITEPRESS, p. 100-108 9 p.

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

#### **From monolithic systems to microservices: A decomposition framework based on process mining**

Taibi, D. & Systä, K., 2019, *CLOSER 2019 - Proceedings of the 9th International Conference on Cloud Computing and Services Science*. Ferguson, D., Munoz, V. M., Helfert, M. & Pahl, C. (eds.). SCITEPRESS, p. 153-164 12 p.

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

#### **Mean and variability in RNA polymerase numbers are correlated to the mean but not the variability in size and composition of Escherichia coli cells**

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

#### **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**

Kahle, H., Penttinen, J. P., Phung, H. M., Rajala, P., Tukiainen, A., Ranta, S. & Guina, M., 2019, *Vertical External Cavity Surface Emitting Lasers (VECSELs) IX*. Keller, U. (ed.). SPIE, IEEE, 109010D. (Proceedings of SPIE - The International Society for Optical Engineering; vol. 10901).

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

#### **Modelling the stressed skin effect by using shell elements with meta-material model**

Pajunen, S., Hautala, J. & Heinisuo, M., 2019, In : *Magazine of Civil Engineering*. 86, 2, p. 20-29 10 p.

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

#### **Observation of local electroluminescent cooling and identifying the remaining challenges**

Radevici, I., Sadi, T., Tripurari, T., Tiira, J., Ranta, S., Tukiainen, A., Guina, M. & Oksanen, J., 2019, *Photonic Heat Engines: Science and Applications*. Seletskiy, D. V., Epstein, R. I. & Sheik-Bahae, M. (eds.). SPIE, IEEE, 109360A. (Proceedings of SPIE - The International Society for Optical Engineering; vol. 10936).

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

#### **Random lasing control with optical spatial solitons in nematic liquid crystals**

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

#### **Revisiting gray pixel for statistical illumination estimation**

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

#### **Revisiting Social Media Tie Strength in the Era of Data Access Restrictions**

Gupta, J., Kärkkäinen, H., Torro, O. & Mukkamala, R. R., 2019, *Proceedings of the 11th International Conference on Knowledge Management and Information Systems (KMIS 2019)*. SCITEPRESS, p. 187-194 8 p.

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

#### **Single exposure lensless subpixel phase imaging**

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

#### **Smartphone teleoperation for self-balancing telepresence robots**

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

#### **Teacher's Perceptions and Readiness to Teach Coding Skills: A Comparative Study Between Finland, Mainland China, Singapore, Taiwan, and South Korea**

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

#### **Experimental moment resistance of rectangular hollow section T joints**

Garifullin, M., 5 Dec 2018, In : *MATEC Web of Conferences*. 245, 08003.

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

#### **Industrialization of hybrid and additive manufacturing-Implementation to Finnish industry (HYBRAM)**

Riipinen, T., Kujanpää, V., Komi, E., Kilpeläinen, P., Savolainen, M., Puukko, P., Vihinen, J., Coatanea, E. & Mokhtarian, H., 26 Nov 2018, VTT Technical Research Centre of Finland. 66 p. (Research Reports)

Research output: Book/Report > Commissioned report > Professional

#### **Performance Enhancement Of Optimized Link State Routing Protocol For Health Care Applications In Wireless Body Area Networks**

Chetan Kumar, V., Shiva Prakash, S. P. & Balandin, S., Nov 2018, *2018 23rd Conference of Open Innovations Association (FRUCT)*. IEEE, p. 195-203 9 p.

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

#### **Tutkimuskatsaus: Uusia menetelmiä haavan paranemisen arviointiin ja seurantaan**

Kekonen, A., Bergelin, M. & Viik, J., 20 Oct 2018, In : *HAAVA*. 20, 3, p. 30-32 3 p.

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

#### **The Effects of Product Line Length on Firm Performance**

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#### **Social capital characteristics in RD project networks**

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### **Technopreneurial Characteristics Rising from the Ashes of Creative Destruction**

Sommarberg, M. & Mäkinen, S., 1 Oct 2018, *Proceedings in 2018 Portland International Conference in Management and Engineering (PICMET): (PICMET) 19-23 August 2018*. IEEE, p. 1-10 10 p.

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

### **Analysis of User Exploration Patterns during Scene Cuts in Omnidirectional Videos**

Monakhov, D., Naik, D., Curcio, I. D. D. & Toukoma, H., Oct 2018, *SMPTE 2018*. SMPTE, 20 p.

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

### **Long-term monitoring of acute wound healing from beneath the primary wound dressings**

Kekonen, A., Bergelin, M., Eriksson, J.-E., Vesa, M., Johansson, M. & Viik, J., Oct 2018, *2018 16th Biennial Baltic Electronics Conference (BEC)*. IEEE, 4 p.

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

### **Glove-integrated slotted patch antenna for wearable UHF RFID reader**

Ahmed, S., Musfequr Rehman, S. M., Ukkonen, L. & Björninen, T., 26 Sep 2018, *2018 IEEE International Conference on RFID Technology & Application (RFID-TA)*. IEEE, 4 p.

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

### **Referenced backscattering compression level indicator based on passive UHF RFID tags**

Qureshi, S., Björninen, T. & Virkki, J., 26 Sep 2018, *2018 IEEE International Conference on RFID Technology & Application (RFID-TA)*. IEEE, 3 p.

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

### **RF energy harvesting system with RFID-enabled charge storage monitoring**

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

### **Constrained Long-Horizon Direct Model Predictive Control for Synchronous Reluctance Motor Drives**

Ortombina, L., Liegmann, E., Karamanakos, P., Tinazzi, F., Zigliotto, M. & Kennel, R., 10 Sep 2018, *2018 IEEE 19th Workshop on Control and Modeling for Power Electronics, COMPEL 2018*. IEEE, 8 p. 8460173

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

### **2D Video Coding of Volumetric Video Data**

Schwarz, S., Hannuksela, M. M., Fakour-Sevom, V. & Sheikhi-Pour, N., 5 Sep 2018, *2018 Picture Coding Symposium, PCS 2018 - Proceedings*. IEEE, p. 61-65 5 p. 8456265

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

### **Evaluation of Median Root Prior for Robust In-Beam PET Reconstruction**

Us, D., Brzezinski, K., Buitenhuis, T., Dendooven, P. & Ruotsalainen, U., 5 Sep 2018, In : *IEEE Transactions on Radiation and Plasma Medical Sciences*. 2, 5, p. 490-498 8 p.

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

### **Web User Interface Implementation Technologies: An Underview**

Taivalsaari, A., Mikkonen, T., Systä, K. & Pautasso, C., 5 Sep 2018, *14th International Conference on Web Information Systems and Technologies*. SCITEPRESS, p. 127-136 10 p.

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

### **Fabrication and Practical Evaluation of Glove-integrated Passive UHF RFID Tags**

Chen, X., He, H., Ukkonen, L., Virkki, J., Xu, J., Wang, T. & Cheng, L., Sep 2018, *2018 IEEE International Conference on RFID Technology Application (RFID-TA)*. IEEE, 5 p.

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### **Multi-site delamination analysis using virtual crack closure technique for a composite aircraft wing flap**

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

### **Nanocellulose as a Piezoelectric Material**

Tuukkanen, S. & Rajala, S., 29 Aug 2018, *Piezoelectricity - Organic and Inorganic Materials and Applications*. InTech Open Access Publisher, p. 1-14 14 p.

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

### **Comparison of food frequency questionnaire data and shopping records for the assessment of food intake**

Kallonen, A., Nieminen, H., Das, S. & Sallinen, R., 27 Aug 2018, *Proceedings of Seventh International Conference on Well-Being in the Information Society: Fighting Inequalities (WIS 2018)*. p. 25-30 (TUCS Lecture Notes; vol. 28).

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

### **Effect of radiation inside square hollow section under moderate non-symmetric fire**

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

### **Model-based cosimulation for industrial wireless networks**

Geng, J., Li, H., Liu, Y., Liu, Y., Kashef, M., Candell, R. & Bhattacharyya, S. S., 3 Jul 2018, *WFCS 2018 - 2018 14th IEEE International Workshop on Factory Communication Systems*. IEEE, p. 1-10 10 p.

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

### **Improved modelling of electric loads for enabling demand response by applying physical and data-driven models: Project Response**

Koponen, P., Hanninen, S., Mutanen, A., Koskela, J., Rautiainen, A., Järventausta, P., Niska, H., Kolehmainen, M. & Koivisto, H., 27 Jun 2018, *2018 IEEE International Energy Conference, ENERGYCON 2018*. IEEE, p. 1-6 6 p.

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

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#### **Different approaches of the PLM maturity concept and their use domains –analysis of the state of the art**

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

#### **Direct Measurement of Temporal Rogue Waves Generated by Spontaneous Modulation Instability**

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**High Dynamic Range Single-Shot Spectral Measurements of Spontaneous Modulation Instability**

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

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### **Proceedings of the 26th International Conference on Information Modelling and Knowledge Bases - EJC 2016: June 6-10, 2016, Tampere, Finland.**

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### **Real Time Measurements of Temporal Rogue Waves and Spontaneous Modulation Instability in Optical Fiber**

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### **Roadmap towards the vision of the future power system and electricity market**

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### **Spatial borders and affordances of a temporary school building – Enhancing the school engagement and learning experience**

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