

- Abdallah, Zeina et al. "Frequency Comb Generation in a Continuous-Wave Pumped Second-Order Nonlinear Waveguide Resonator". *2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings*. IEEE. 2019. <https://doi.org/10.23919/CLEO.2019.8750403>
- Acar, Erman, Sari Peltonen and Ulla Ruotsalainen. "Adaptive multiresolution method for MAP reconstruction in electron tomography". *Ultramicroscopy*. 2016, 170. 24-34. <https://doi.org/10.1016/j.ultramic.2016.08.002>
- Ahishali, Mete et al. "Multifrequency Pulsar Image Classification Using Dual-Band 1D Convolutional Neural Networks". *2020 Mediterranean and Middle-East Geoscience and Remote Sensing Symposium, M2GARSS 2020 - Proceedings*. IEEE. 2020, 73-76. <https://doi.org/10.1109/M2GARSS47143.2020.9105312>
- Ahmed, Shahbaz et al. "Headband Antenna for Wireless Power Transfer to Millimeter-Sized Neural Implants with Minimal Misalignment Effects". *14th European Conference on Antennas and Propagation, EuCAP 2020*. 14th European Conference on Antennas and Propagation, EuCAP 2020. IEEE. 2020. <https://doi.org/10.23919/EuCAP48036.2020.9135977>
- Ali, Ihtisham et al. "Methods for simultaneous robot-world-hand-eye calibration: A comparative study". *Sensors (Switzerland)*. 2019. 19(12). <https://doi.org/10.3390/s19122837>
- Antink, Christoph Hoog et al. "Sensor Fusion for Unobtrusive Respiratory Rate Estimation in Dogs". *IEEE Sensors Journal*. 2019, 19(16). 7072-7081. <https://doi.org/10.1109/JSEN.2019.2912002>
- Asp, Ari et al. "Impact of Different Concrete Types on Radio Propagation: Fundamentals and Practical RF Measurements". , Rodrigues, Joel J.P.C., Solic, Petar, Perkovic, Toni Vukojevic, Katarina Rodrigues, Joel J.P.C. Patrono, Luigi Nizetic, Sandro (editors). *2019 4th International Conference on Smart and Sustainable Technologies, SpliTech 2019*. IEEE. 2019. <https://doi.org/10.23919/SpliTech.2019.8783022>
- Assanto, Gaetano et al. "Routing light with nematicons: Light localization and steering in liquid crystals". *Optics InfoBase Conference Papers*. Optical Society of America. 2009, 2281-2282. <https://doi.org/10.1364/IQEC.2009.ITuG1>
- Auer, Sanna et al. "Rapid and sensitive detection of norovirus antibodies in human serum with a bilayer interferometry biosensor". *Sensors and Actuators B: Chemical*. 2015, 221. 507-514. <https://doi.org/10.1016/j.snb.2015.06.088>
- Baby, Deepak et al. "Coupled dictionaries for exemplar-based speech enhancement and automatic speech recognition". *Ieee-Acm transactions on audio speech and language processing*. 2015, 23(11). 1788-1799. <https://doi.org/10.1109/TASLP.2015.2450491>
- Barker, Tom and Tuomas Virtanen. "Blind Separation of Audio Mixtures Through Nonnegative Tensor Factorization of Modulation Spectrograms". *Ieee-Acm transactions on audio speech and language processing*. 2016, 24(12). 2377-2389. <https://doi.org/10.1109/TASLP.2016.2602546>
- Berger, Paul R. et al. "Advancements in Solution Processable Devices using Metal Oxides For Printed Internet-of-Things Objects". *2019 Electron Devices Technology and Manufacturing Conference, EDTM 2019*. IEEE. 2019, 160-162. <https://doi.org/10.1109/EDTM.2019.8731322>
- Bezzateev, Sergey et al. "Secure environmental monitoring for industrial internet of things: From framework to live implementation". , Lohan, Elena-Simona, Rugamer, Alexander Nurmi, Jari Koch, Wolfgang Heuberger, Albert (editors). *2019 International Conference on Localization and GNSS, ICL-GNSS 2019*. IEEE. 2019. <https://doi.org/10.1109/ICL-GNSS.2019.8752764>
- Borges, Lucas R. et al. "Restoration of low-dose digital breast tomosynthesis". *Measurement Science and Technology*. 2018. 29(6). <https://doi.org/10.1088/1361-6501/aab2f6>

Caglayan, Humeyra and Nader Engheta "Theory of near-IR metatronic nanocircuits using transparent conducting oxides (TCO)". *Frontiers in Optics 2011*. Optical Society of America. 2011. <https://doi.org/10.1364/FIO.2011.FTuG2>

Caglayan, Humeyra et al. "Observation of defect formation in metamaterials". *Plasmonics and Metamaterials 2008*. Optical Society of America. 2008. https://doi.org/10.1364/META_PLAS.2008.MMC7

Cakmakyapan, Semih et al. "Directional selectivity through the subwavelength slit in metallic gratings". *CLEO: Applications and Technology*. 2011. https://doi.org/10.1364/CLEO_AT.2011.JTuI67

Cakmakyapan, Semih et al. "Directional selectivity through the subwavelength slit in metallic gratings". *CLEO: Science and Innovations 2011*. 2011. https://doi.org/10.1364/CLEO_AT.2011.JTuI67

Cakmakyapan, Semih et al. "Directional selectivity through the subwavelength slit in metallic gratings". *Quantum Electronics and Laser Science Conference, QELS 2011*. 2011. https://doi.org/10.1364/CLEO_AT.2011.JTuI67

Charlie, N. et al. "Measurement of the refractive index dispersion of As_2Se_3 bulk glass and thin films prior to and after laser irradiation and annealing using prism coupling in the near- and mid-infrared spectral range". *Review of Scientific Instruments*. 2011. 82(5). <https://doi.org/10.1063/1.3587616>

Chen, X. et al. "Fabrication and reliability evaluation of passive UHF RFID T-shirts". *2018 IEEE International Workshop on Antenna Technology, iWAT2018 - Proceedings*. IEEE. 2018, 1-4. <https://doi.org/10.1109/IWAT.2018.8379146>

Chen, Xiaochen et al. "Passive Moisture Sensor Based on Conductive and Water-Soluble Yarns". *IEEE Sensors Journal*. 2020, 20(18). 10989-10995. <https://doi.org/10.1109/JSEN.2020.2994449>

Cook, Benjamin S. et al. "RFID-based sensors for zero-power autonomous wireless sensor networks". *IEEE Sensors Journal*. 2014, 14(8). 2419-2431. <https://doi.org/10.1109/JSEN.2013.2297436>

Dong, Guoqing et al. "Chipless graphene tag and dual-CP reader for Internet of Things". *2017 International Applied Computational Electromagnetics Society Symposium in China, ACES-China 2017*. IEEE. 2017.

Dos Santos, Rochelle Schneider et al. "The variation of air and surface temperatures in London within a 1km grid using vehicle-transect and ASTER data". *2017 Joint Urban Remote Sensing Event, JURSE 2017*. 2017 Joint Urban Remote Sensing Event, JURSE 2017. Institute of Electrical and Electronics Engineers Inc. 2017. <https://doi.org/10.1109/JURSE.2017.7924613>

Drgas, Szymon et al. "Binary Non-Negative Matrix Deconvolution for Audio Dictionary Learning". *IEEE/ACM Transactions on Audio Speech and Language Processing*. 2017, 25(8). 1644-1656. <https://doi.org/10.1109/TASLP.2017.2709909>

Eyraud, C. et al. "Towards Asteroid Tomography: Modellings and Measurements Using an Analogue Model". *14th European Conference on Antennas and Propagation, EuCAP 2020*. 14th European Conference on Antennas and Propagation, EuCAP 2020. IEEE. 2020. <https://doi.org/10.23919/EuCAP48036.2020.9136060>

Farooq, A. et al. "Evaluating transparent liquid screen overlay as a haptic conductor: Method of enhancing touchscreen based user interaction by a transparent deformable liquid screen overlay". *2015 IEEE SENSORS - Proceedings*. Institute of Electrical and Electronics Engineers Inc. 2015. <https://doi.org/10.1109/ICSENS.2015.7370186>

Gao, Haitao et al. "In-flight wind field identification and prediction of parafoil systems". *Applied Sciences (Switzerland)*. 2020. 10(6). <https://doi.org/10.3390/app10061958>

Giannoulis, G. et al. "Dilute nitride SOAs for high-speed data processing in variable temperature conditions". *Optical Fiber Communication Conference, OFC 2015*. OSA - The Optical Society. 2015.

- Goncalves, Ricardo et al. "Humidity passive sensors based on UHF RFID using cork dielectric slabs". *2015 9th European Conference on Antennas and Propagation, EuCAP 2015*. Institute of Electrical and Electronics Engineers Inc. 2015.
- Gonçalves, Ricardo et al. "RFID-Based Wireless Passive Sensors Utilizing Cork Materials". *IEEE Sensors Journal*. 2015, 15(12). 7242-7251. <https://doi.org/10.1109/JSEN.2015.2472980>
- Gumenyuk, R. and O. G. Okhotnikov. "Polarization control of the bound state of a vector soliton". *Laser Physics Letters*. 2013, 10(5). 1-3. <https://doi.org/10.1088/1612-2011/10/5/055111>
- Habib, Mohsin, Ekmel Ozbay, and Humeyra Caglayan. "Tuning plasmon induced reflectance with hybrid metasurfaces". *Photonics*. 2019. 6(1). <https://doi.org/10.3390/photonics6010029>
- He, Han et al. "Passive RFID-based Textile Touchpad". *14th European Conference on Antennas and Propagation, EuCAP 2020*. IEEE. 2020. <https://doi.org/10.23919/EuCAP48036.2020.9135201>
- He, Han et al. "ClothFace: A Batteryless RFID-Based Textile Platform for Handwriting Recognition". *Sensors (Basel, Switzerland)*. 2020. 20(17). <https://doi.org/10.3390/s20174878>
- Henno, J., H. Jaakkola and J. Mäkelä "Developing curiosity and multimedia skills with programming experiments". *2017 40th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2017 - Proceedings*. IEEE. 2017, 694-699. <https://doi.org/10.23919/MIPRO.2017.7973512>
- Iliopoulos, Konstantinos et al. "Third order nonlinear optical response of TTF-based molecular corners". *Nonlinear Optics, Quantum Optics*. 2012, 43(1-4). 205-212.
- Izdebskaya, Yana V. et al. "Multimode waveguides in nematic liquid crystals". *Conference on Lasers and Electro-Optics/Pacific Rim, CLEOPR 2011*. 2011, 1912-1913.
- Izdebskaya, Yana V. et al. "Spatial solitons carrying phase singularities in nematic liquid crystals". *Conference on Lasers and Electro-Optics/Pacific Rim, CLEOPR 2011*. 2011, 444-445.
- Jaakkola, H. et al. "Today is the future of yesterday; What is the future of today?". *2017 40th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2017 - Proceedings*. IEEE. 2017, 635-643. <https://doi.org/10.23919/MIPRO.2017.7973502>
- Jaakkola, H. et al. "The educators' telescope to the future of technology". *2017 40th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2017 - Proceedings*. IEEE. 2017, 660-665. <https://doi.org/10.23919/MIPRO.2017.7973506>
- Jeyhani, Vala et al. "A novel technique for analysis of postural information with wearable devices". *2018 IEEE 15th International Conference on Wearable and Implantable Body Sensor Networks, BSN 2018*. IEEE. 2018, 30-33. <https://doi.org/10.1109/BSN.2018.8329651>
- Jylhä, Juha et al. "Incorporating Aircraft Kinematics and Radar Cross Section into the Performance Prediction of Air Surveillance". *FUSION 2019 - 22nd International Conference on Information Fusion*. IEEE. 2019.
- Kahle, Hermann et al. "Double-side pumped membrane external-cavity surface-emitting laser (MECSEL) with increased efficiency emitting > 3 W in the 780 nm region". *2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings*. IEEE. 2019. <https://doi.org/10.23919/CLEO.2019.8749958>

Kekonen, Atte et al. "Bioimpedance Sensor Array for Long-Term Monitoring of Wound Healing from Beneath the Primary Dressings and Controlled Formation of H₂O₂ Using Low-Intensity Direct Current". *Sensors*. 2019. 19(11). <https://doi.org/10.3390/s19112505>

Kerst, Thomas et al. "Alpha radiation-induced luminescence by am-241 in aqueous nitric acid solution". *Sensors (Switzerland)*. 2019. 19(7). <https://doi.org/10.3390/s19071602>

Kettunen, Lauri and Tuomas Kovanen "Electromagnetism and cross-disciplinary problems". *2016 URSI International Symposium on Electromagnetic Theory, EMTS 2016*. IEEE. 2016, 500-501. <https://doi.org/10.1109/URSI-EMTS.2016.7571436>

Khan, Zahangir et al. "Strain Reliability of Embroidered Passive UHF RFID Tags on 3D-printed Substrates". *13th European Conference on Antennas and Propagation, EuCAP 2019*. IEEE. 2019.

Khan, Muhammad Adnan, Risto Vehmas, and Ari Visa "Automatic detection of water inside concrete slabs using ground penetrating radar". *2019 IEEE Radar Conference, RadarConf 2019*. IEEE. 2019. <https://doi.org/10.1109/RADAR.2019.8835797>

Khan, Zahangir et al. "Protective Coating Methods for Glove-Integrated RFID Tags - A Preliminary Study". *14th European Conference on Antennas and Propagation, EuCAP 2020*. 14th European Conference on Antennas and Propagation, EuCAP 2020. IEEE. 2020. <https://doi.org/10.23919/EuCAP48036.2020.9135632>

Kim, Sangkil et al. "Low-cost inkjet-printed fully passive RFID tags for calibration-free capacitive/haptic sensor applications". *IEEE Sensors Journal*. 2015, 15(6). 3135-3145. <https://doi.org/10.1109/JSEN.2014.2366915>

Koivikko, Anastasia et al. "Screen-printed curvature sensors for soft robots". *IEEE Sensors Journal*. 2018, 18(1). 223-230. <https://doi.org/10.1109/JSEN.2017.2765745>

Koivumäki, Janne and Jouni Mattila. "Adaptive and nonlinear control of discharge pressure for variable displacement axial piston pumps". *Journal of Dynamic Systems, Measurement and Control: Transactions of the ASME*. 2017. 139(10). <https://doi.org/10.1115/1.4036537>

Kokkonen, Joonas et al. "Frequency domain penetration loss in the terahertz band". *2016 Global Symposium on Millimeter Waves (GSMM) & ESA Workshop on Millimetre-Wave Technology and Applications*. IEEE. 2016. <https://doi.org/10.1109/GSMM.2016.7500309>

Kooser, Kuno et al. "Gas-phase endstation of electron, ion and coincidence spectroscopies for diluted samples at the FinEstBeAMS beamline of the MAX IV 1.5 GeV storage ring". *JOURNAL OF SYNCHROTRON RADIATION*. 2020, 27. 1080-1091. <https://doi.org/10.1107/S1600577520007146>

Kordelin, Kai et al. "Optimization of RFID-Based Tunnel Access Monitoring System Antenna Reading Areas". *13th European Conference on Antennas and Propagation, EuCAP 2019*. IEEE. 2019.

Korobko, D. A., O. G. Okhotnikov and I. O. Zolotovskii. "Amplifier similariton laser with extra-broad bandwidth output pulse". *Laser Physics Letters*. 2016. 13(3). <https://doi.org/10.1088/1612-2011/13/3/035106>

Kovalchukov, Roman et al. "Improved Session Continuity in 5G NR with Joint Use of Multi-Connectivity and Guard Bandwidth". *2018 IEEE Global Communications Conference, GLOBECOM 2018*. IEEE. 2019. <https://doi.org/10.1109/GLOCOM.2018.8647608>

Kuang, Ye et al. "Circularly Polarized Textile Tag Antenna for Wearable Passive UHF RFID Systems". *2018 International Applied Computational Electromagnetics Society Symposium in China, ACES-China 2018*. IEEE. 2019. <https://doi.org/10.23919/ACCESS.2018.8669314>

Le, Duc, Leena Ukkonen, and Toni Björninen "Circularly Polarized Corner-Truncated and Slotted Microstrip Patch Antenna on Textile Substrate for Wearable Passive UHF RFID Tags". *14th European Conference on Antennas and Propagation, EuCAP 2020*. 14th European Conference on Antennas and Propagation, EuCAP 2020. IEEE. 2020. <https://doi.org/10.23919/EuCAP48036.2020.9135984>

Le Xuan, L. et al. "Single KTiOPO₄ nanocrystals for nonlinear probing of local optical fields and interaction with a metallic nanostructure". *Optics InfoBase Conference Papers*. Optical Society of America. 2009.

Li, Suyue et al. "Error analysis of NOMA-based user cooperation with SWIPT". *Proceedings - 15th Annual International Conference on Distributed Computing in Sensor Systems, DCOSS 2019*. IEEE. 2019, 507-513. <https://doi.org/10.1109/DCOSS.2019.00098>

Linna, P., T. Mäkinen and K. Yrjökoski "Open data based value networks: Finnish examples of public events and agriculture". *2017 40th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2017 - Proceedings*. IEEE. 2017, 1448-1453. <https://doi.org/10.23919/MIPRO.2017.7973649>

Ma, Shubin et al. "Comparison of Human Head Phantoms with Different Complexities for Implantable Antenna Development". *2018 International Applied Computational Electromagnetics Society (ACES) Symposium: 29 July-1 Aug. 2018, China*. IEEE. 2019. <https://doi.org/10.23919/ACCESS.2018.8669363>

Mahmoodpour, Mehdi et al. "Role-based visualization of industrial IoT-based systems". *2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018*. IEEE. 2018. <https://doi.org/10.1109/MESA.2018.8449183>

Mäkinen, Jari, Robert Piché, and Asko Ellman. "Fluid Transmission Line Modeling Using a Variational Method". *Journal of Dynamic Systems, Measurement and Control: Transactions of the ASME*. 2000, 122(1). 153-162.

Mäkinen, Petri, Teemu Mononen, and Jouni Mattila "Inertial Sensor-Based State Estimation of Flexible Links Subject to Bending and Torsion". *2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018*. IEEE. 2018. <https://doi.org/10.1109/MESA.2018.8449188>

Makkonen, J. et al. "Improving reliability for classification of metallic objects using a WTMD portal". *Measurement Science and Technology*. 2015. 26(10). <https://doi.org/10.1088/0957-0233/26/10/105103>

Mariotti, Chiara et al. "Development of Low Cost, Wireless, Inkjet Printed Microfluidic RF Systems and Devices for Sensing or Tunable Electronics". *IEEE Sensors Journal*. 2015, 15(6). 3156-3163. <https://doi.org/10.1109/JSEN.2014.2374874>

Martinez, R. et al. "Circularly polarized shorted ring slot rectenna with a mesh design for optimized inkjet printing on paper substrate". *2015 9th European Conference on Antennas and Propagation, EuCAP 2015*. Institute of Electrical and Electronics Engineers Inc. 2015.

Mathlouthi, Maha et al. "Structural characterization, spectroscopic, thermal, AC conductivity and dielectric properties and antimicrobial studies of (C₈H₁₂N)₂[SnCl₆]₆". *PHASE TRANSITIONS*. 2017, 90(4). 399-414. <https://doi.org/10.1080/01411594.2016.1212194>

Mehrang, Saeed, Julia Pietilä and Ilkka Korhonen. "An activity recognition framework deploying the random forest classifier and a single optical heart rate monitoring and triaxial accelerometer wrist-band". *Sensors*. 2018. 18(2). <https://doi.org/10.3390/s18020613>

Mesaros, Annamaria, Toni Heittola, and Tuomas Virtanen. "Metrics for polyphonic sound event detection". *Applied Sciences*. 2016. 6(6). <https://doi.org/10.3390/app6060162>

- Mesaros, Annamaria et al. "Detection and Classification of Acoustic Scenes and Events: Outcome of the DCASE 2016 Challenge". *IEEE/ACM Transactions on Audio Speech and Language Processing*. 2018, 26(2). 379-393. <https://doi.org/10.1109/TASLP.2017.2778423>
- Motlagh, Hamid Didari Khamseh et al. "Position Estimation for Drones based on Visual SLAM and IMU in GPS-denied Environment". *ICRoM 2019 - 7th International Conference on Robotics and Mechatronics*. IEEE. 2019, 120-124. <https://doi.org/10.1109/ICRoM48714.2019.9071826>
- Naumenko, A. et al. "Texture region detection by trained neural network". *9th International Kharkiv Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW 2016*. IEEE. 2016. <https://doi.org/10.1109/MSMW.2016.7538174>
- Nikunen, Joonas, Aleksandr Diment, and Tuomas Virtanen. "Separation of Moving Sound Sources Using Multichannel NMF and Acoustic Tracking". *IEEE/ACM Transactions on Audio Speech and Language Processing*. 2018, 26(2). 281-295. <https://doi.org/10.1109/TASLP.2017.2774925>
- Nilsson, J. et al. "High power fiber lasers". *Optics InfoBase Conference Papers*. Optical Society of America. 2006.
- Ometov, Aleksandr et al. "Secure and connected wearable intelligence for content delivery at a mass event: A case study". *Journal of Sensor and Actuator Networks*. 2017. 6(2). <https://doi.org/10.3390/jsan6020005>
- Ometov, Aleksandr et al. "Positioning information privacy in intelligent transportation systems: An overview and future perspective". *Sensors*. 2019. 19(7). <https://doi.org/10.3390/s19071603>
- Ometov, Aleksandr et al. "Environmental monitoring with distributed mesh networks: An overview and practical implementation perspective for urban scenario". *Sensors (Switzerland)*. 2019. 19(24). <https://doi.org/10.3390/s19245548>
- Ozbay, E. et al. "Highly directive radiation and negative refraction using photonic crystals". *Laser Physics*. 2005, 15(2). 217-224.
- Pajukoski, H. et al. "High performance corrosion resistant coatings by novel coaxial cold- and hot-wire laser cladding methods". *Journal of Laser Applications*. 2016. 28(1). <https://doi.org/10.2351/1.4936988>
- Peccianti, M. et al. "Third harmonic generation enhancement in nematic liquid crystals via nonlocal solitons propagation". *CLEO: Science and Innovations, CLEO_SI 2011*. 2011.
- Petrov, Vitaly et al. "Measurements of Reflection and Penetration Losses in Low Terahertz Band Vehicular Communications". *14th European Conference on Antennas and Propagation, EuCAP 2020*. 14th European Conference on Antennas and Propagation, EuCAP 2020. Institute of Electrical and Electronics Engineers Inc. 2020. <https://doi.org/10.23919/EuCAP48036.2020.9135389>
- Piccardi, Armando et al. "Light beam hysteresis in liquid crystals". *2014 Fotonica AEIT Italian Conference on Photonics Technologies, Fotonica AEIT 2014*. IEEE COMPUTER SOCIETY PRESS. 2014. <https://doi.org/10.1109/Fotonica.2014.6843888>
- Piccardi, Armando et al. "Spatial solitons in a self-focusing medium with tunable nonlinearity". *Optics InfoBase Conference Papers*. 2011. <https://doi.org/10.1364/NLO.2011.NWE7>
- Piccardi, A. et al. "Dark solitons in nematic liquid crystals". *Optics InfoBase Conference Papers*. 2011. <https://doi.org/10.1364/NLO.2011.NWE4>

Piccardi, A. et al. "Nematicon routing in liquid crystal light valve". *Optics InfoBase Conference Papers*. 2010.

Piccardi, Armando, Alessandro Alberucci, and Gaetano Assanto "Soliton self-deflection via power-dependent walk-off". *Optics InfoBase Conference Papers*. 2010. <https://doi.org/10.1364/NP.2010.NMD1>

Piche, Robert "Automatic numerical differentiation by maximum likelihood estimation of a linear Gaussian state space model". *2019 18th European Control Conference, ECC 2019*. IEEE. 2019, 1861-1865. <https://doi.org/10.23919/ECC.2019.8795960>

Pihlajasalo, Jaakko et al. "Methods for long-term GNSS clock offset prediction"., Nurmi, Jari, Lohan, Elena-Simona Rugamer, Alexander Heuberger, Albert Koch, Wolfgang (editors). *2019 International Conference on Localization and GNSS, ICL-GNSS 2019: 4-6 June 2019, Nuremberg, Germany*. International Conference on Localization and GNSS. IEEE. 2019. <https://doi.org/10.1109/ICL-GNSS.2019.8752725>

Pirhonen, Mikko, Mikko Peltokangas, and Antti Vehkaoja. "Acquiring respiration rate from photoplethysmographic signal by recursive bayesian tracking of intrinsic modes in time-frequency spectra". *Sensors*. 2018. 18(6). <https://doi.org/10.3390/s18061693>

Pournoori, Nikta et al. "Charge Storage Level Sensor RFID Tag: Impedance Matching and Experimental Characterisation" . *13th European Conference on Antennas and Propagation, EuCAP 2019*. IEEE. 2019.

Pyrhönen, Veli-Pekka and Matti K. Viikko "Composite nonlinear feedback control of a JIB trolley of a tower crane behaviors". *2019 18th European Control Conference, ECC 2019*. IEEE. 2019, 1124-1129. <https://doi.org/10.23919/ECC.2019.8796229>

Rajala, Satu, Mika Paajanen and Jukka Leikkala. "Measurement of sensitivity distribution map of a ferroelectret polymer film". *IEEE Sensors Journal*. 2016, 16(23). 8517-8522. <https://doi.org/10.1109/JSEN.2016.2613876>

Rajala, Satu et al. "Designing, Manufacturing and Testing of a Piezoelectric Polymer Film In-Sole Sensor for Plantar Pressure Distribution Measurements". *IEEE Sensors Journal*. 2017, 17(20). 6798-6805. <https://doi.org/10.1109/JSEN.2017.2750241>

Rajan, Dhanesh Kattiparambil et al. "Monitoring pH, temperature and humidity in long-term stem cell culture in CO₂ incubator". *2017 IEEE International Symposium on Medical Measurements and Applications (MeMeA)*. IEEE. 2017, 470-474. <https://doi.org/10.1109/MeMeA.2017.7985922>

Rastorgueva-Foi, Elizaveta et al. "User Positioning in mmW 5G Networks Using Beam-RSRP Measurements and Kalman Filtering". *2018 21st International Conference on Information Fusion, FUSION 2018*. IEEE. 2018, 1150-1156. <https://doi.org/10.23919/ICIF.2018.8455289>

Richard, G. et al. "Introduction to the Special Section on Sound Scene and Event Analysis". *IEEE/ACM Transactions on Audio Speech and Language Processing*. 2017, 25(6). 1169-1171. <https://doi.org/10.1109/TASLP.2017.2699334>

Rinne, Jukka et al. "M2M Communication Assessment in Energy-Harvesting and Wake-Up Radio Assisted Scenarios Using Practical Components". *Sensors (Basel, Switzerland)*. 2018. 18(11). <https://doi.org/10.3390/s18113992>

Rubel, Oleksii, Vladimir Lukin, and Karen Egiazarian "On prediction of DCT-based denoising efficiency under spatially correlated noise conditions". *2016 13th International Conference on Modern Problems of Radio Engineering, Telecommunications and Computer Science (TCSET)* . IEEE. 2016, 750-754. <https://doi.org/10.1109/TCSET.2016.7452171>

Ruotsalainen, Marja et al. "A Framework for Using Radar Measurements of Unknown Targets in Hierarchical Classification". *FUSION 2019 - 22nd International Conference on Information Fusion*. IEEE. 2019.

- Saad-Bin-Alam, Md et al. "High-Q resonance train in a plasmonic metasurface". *2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings*. IEEE. 2019. <https://doi.org/10.23919/CLEO.2019.8750206>
- Sadiek, Ibrahim et al. "Optical Frequency Comb Photoacoustic Spectroscopy". *2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings*. IEEE. 2019. <https://doi.org/10.23919/CLEO.2019.8749688>
- Salpavaara, Timo et al. "Passive resonance sensor based method for monitoring particle suspensions". *Sensors and Actuators B: Chemical*. 2015, 219. 324-330. <https://doi.org/10.1016/j.snb.2015.04.121>
- Salpavaara, Timo et al. "Non-destructive and wireless monitoring of biodegradable polymers". *Sensors and Actuators B: Chemical*. 2017, 251. 1018-1025. <https://doi.org/10.1016/j.snb.2017.05.116>
- Sanginés, R. et al. "Optimal emission enhancement in orthogonal double-pulse laser-induced breakdown spectroscopy". *Spectrochimica Acta Part B: Atomic Spectroscopy*. 2015, 110. 139-145. <https://doi.org/10.1016/j.sab.2015.06.012>
- Selvan, N. Tamil et al. "Piezoresistive natural rubber-multiwall carbon nanotube nanocomposite for sensor applications". *Sensors and Actuators, A: Physical*. 2016, 239. 102-113. <https://doi.org/10.1016/j.sna.2016.01.004>
- Semkin, Vasiliï et al. "Path Loss Characterization for Intra-Vehicle Wearable Deployments at 60 GHz". *13th European Conference on Antennas and Propagation, EuCAP 2019*. IEEE. 2019.
- Shevkunov, Igor et al. "Spectral object recognition in hyperspectral holography with complex-domain denoising". *Sensors (Switzerland)*. 2019. 19(23). <https://doi.org/10.3390/s19235188>
- Shigeta, Ryo et al. "Ambient rf energy harvesting sensor device with capacitor-leakage-aware duty cycle control". *IEEE Sensors Journal*. 2013, 13(8). 2973-2983. <https://doi.org/10.1109/JSEN.2013.2264931>
- Sigmund, P. et al. "Round Robin computer simulation of ejection probability in sputtering". *Nuclear Inst. and Methods in Physics Research, B*. 1989, 36(2). 110-123. [https://doi.org/10.1016/0168-583X\(89\)90573-9](https://doi.org/10.1016/0168-583X(89)90573-9)
- Solin, Arno et al. "Inertial Odometry on Handheld Smartphones". *2018 21st International Conference on Information Fusion, FUSION 2018*. IEEE. 2018, 1361-1368. <https://doi.org/10.23919/ICIF.2018.8455482>
- Sorvajarvi, T., J. Rossi, and J. Toivonen "Detection of KC1 and KOH using collinear photofragmentation and atomic absorption spectroscopy". *The European Conference on Lasers and Electro-Optics, CLEO_Europe 2013*. 2013.
- Su, W. et al. "Inkjet-printed dual microfluidic-based sensor integrated system". *2015 IEEE SENSORS - Proceedings*. Institute of Electrical and Electronics Engineers Inc. 2015. <https://doi.org/10.1109/ICSENS.2015.7370300>
- Su, Wenjing, Benjamin S. Cook and Manos M. Tentzeris "Low-cost microfluidics-enabled tunable loop antenna using inkjet-printing technologies". *2015 9th European Conference on Antennas and Propagation, EuCAP 2015*. Institute of Electrical and Electronics Engineers Inc. 2015.
- Tan, Clarence et al. "Fusionsense: Emotion classification using feature fusion of multimodal data and deep learning in a brain-inspired spiking neural network". *Sensors (Switzerland)*. 2020. 20(18). <https://doi.org/10.3390/s20185328>
- Teke, Burak et al. "Real-time and Robust Collaborative Robot Motion Control with Microsoft Kinect ® v2". *2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018*. IEEE. 2018. <https://doi.org/10.1109/MESA.2018.8449156>

- Tervo, Oskari et al. "5G new radio evolution towards sub-THz communications". *2nd 6G Wireless Summit 2020: Gain Edge for the 6G Era, 6G SUMMIT 2020*. IEEE. 2020. <https://doi.org/10.1109/6GSUMMIT49458.2020.9083807>
- Thai, Trang T. et al. "Design and development of a novel passive wireless ultrasensitive RF temperature transducer for remote sensing". *IEEE Sensors Journal*. 2012, 12(9). 2756-2766. <https://doi.org/10.1109/JSEN.2012.2201463>
- Tomkowski, Robert et al. "Statistical evaluation of barkhausen noise testing (BNT) for ground samples". *Sensors (Switzerland)*. 2019. 19(21). <https://doi.org/10.3390/s19214716>
- Trikshev, A. I. et al. "160W single-frequency laser based on active tapered double-clad fiber amplifier". *Optics InfoBase Conference Papers*. 2013.
- Tzankiozis, T. et al. "Development of a constant dilution sampling system for particulate and gaseous pollutant measurements". *Measurement Science and Technology*. 2013. 24(8). <https://doi.org/10.1088/0957-0233/24/8/085801>
- Uddin, Rokon et al. "New Evidence for the Mechanism of Action of a Type-2 Diabetes Drug Using a Magnetic Bead-Based Automated Biosensing Platform". *ACS Sensors*. 2017, 2(9). 1329-1336. <https://doi.org/10.1021/acssensors.7b00384>
- Väilä, Minna et al. "Exploiting the Momentary Dependence of Radar Observations for Non-Cooperative Target Recognition". *FUSION 2019 - 22nd International Conference on Information Fusion*. IEEE. 2019.
- Välimäki, Hannu et al. "Fluorimetric oxygen sensor with an efficient optical read-out for in vitro cell models". *Sensors and Actuators B: Chemical*. 2017, 249. 738-746. <https://doi.org/10.1016/j.snb.2017.04.182>
- Valkealahti, S. et al. "Ranges and stopping power of KeV electrons in the solid hydrogens". *Nuclear Inst. and Methods in Physics Research, B*. 1988, 34(3). 321-331. [https://doi.org/10.1016/0168-583X\(88\)90052-3](https://doi.org/10.1016/0168-583X(88)90052-3)
- Valkealahti, S. and R. M. Nieminen. "Molecular dynamics simulation of the damage production in Al (110) surface with slow argon ions". *Nuclear Inst. and Methods in Physics Research, B*. 1986, 18(1-6). 365-369. [https://doi.org/10.1016/S0168-583X\(86\)80060-X](https://doi.org/10.1016/S0168-583X(86)80060-X)
- Veselov, A. et al. "Self-assembled monolayers (SAMs) of porphyrin deposited inside solid-core photonic crystal fibre (SCPCF)". *Access Networks and In-house Communications, ANIC 2011*. 2011.
- Vihonen, Juho, Jouni Mattila, and Ari Visa. "Joint-Space Kinematic Model for Gravity-Referenced Joint Angle Estimation of Heavy-Duty Manipulators". *IEEE Transactions on Instrumentation and Measurement*. 2017, 66(12). 3280-3288. <https://doi.org/10.1109/TIM.2017.2749918>
- Vikholm-Lundin, Inger et al. "Cysteine-tagged chimeric avidin forms high binding capacity layers directly on gold". *Sensors and Actuators B: Chemical*. 2012, 171-172. 440-448. <https://doi.org/10.1016/j.snb.2012.05.008>
- Vikholm-Lundin, Inger, Sanna Auer and Ann Charlotte Hellgren. "Detection of 3,4-methylenedioxymethamphetamine (MDMA, ecstasy) by displacement of antibodies". *Sensors and Actuators B: Chemical*. 2011, 156(1). 28-34. <https://doi.org/10.1016/j.snb.2011.03.069>
- Viljanen, Jan, Zhiwei Sun and Zeyad T. Alwahabi. "Microwave assisted laser-induced breakdown spectroscopy at ambient conditions". *Spectrochimica Acta Part B: Atomic Spectroscopy*. 2016, 118. 29-36. <https://doi.org/10.1016/j.sab.2016.02.002>
- Viljanen, Jan et al. "Sequential Collinear Photofragmentation and Atomic Absorption Spectroscopy for Online Laser Monitoring of Triatomic Metal Species". *Sensors (Basel, Switzerland)*. 2020. 20(2). <https://doi.org/10.3390/s20020533>

Virtanen, Juhani et al. "Evaluation of dry electrodes in canine heart rate monitoring". *Sensors*. 2018. 18(6). <https://doi.org/10.3390/s18061757>

Vyas, Rushi et al. "Inkjet printed, self powered, wireless sensors for environmental, gas, and authentication-based sensing". *IEEE Sensors Journal*. 2011, 11(12). 3139-3152. <https://doi.org/10.1109/JSEN.2011.2166996>

Wang, Wenbo et al. "Location-based beamforming architecture for efficient farming applications with drones"., Lohan, Elena-Simona, Rugamer, Alexander Nurmi, Jari Koch, Wolfgang Heuberger, Albert (editors). *2019 International Conference on Localization and GNSS, ICL-GNSS 2019*. IEEE. 2019. <https://doi.org/10.1109/ICL-GNSS.2019.8752698>

Yi, Xiaohua et al. "Sensitivity modeling of an RFID-based strain-sensing antenna with dielectric constant change". *IEEE Sensors Journal*. 2015, 15(11). 6147-6155. <https://doi.org/10.1109/JSEN.2015.2453947>

Yoo, Seong Ki et al. "Energy Detection-Based Spectrum Sensing over Fisher-Snedecor F Fading Channels". *2018 IEEE Global Communications Conference*. IEEE. 2019. <https://doi.org/10.1109/GLOCOM.2018.8647778>

Zakrzewski, Mari et al. "Noncontact Respiration Monitoring during Sleep with Microwave Doppler Radar". *IEEE Sensors Journal*. 2015, 15(10). 5683-5693. <https://doi.org/10.1109/JSEN.2015.2446616>