


Abdelaziz, Mahmoud; Tarver, Chance; Li, Kaipeng; Anttila, Lauri; Martinez, Raul; Valkama, Mikko; Cavallaro, Joseph R / Sub-band Digital Predistortion for Noncontiguous Transmissions: Algorithm Development and Real-Time Prototype Implementation. 2015 49th Asilomar Conference on Signals, Systems and Computers. IEEE, 2016. Research output: Scientific - peer-review › Conference contribution


Koivisto, Mike; Costa, Mario Jorge; Hakkarainen, Aki; Leppänen, Kari; Valkama, Mikko / Joint 3D Positioning and Network Synchronization in 5G Ultra-Dense Networks Using UKF and EKF. 2016 IEEE Globecom Workshops. IEEE, 2016. Research output: Scientific - peer-review › Conference contribution


Research output: Scientific - peer-review › Article

Stockrahm, Alex; Kangas, Jari; Kotiuga, P. Robert / Tools for Visualizing Cuts in Electrical Engineering Education.
Research output: Scientific - peer-review › Article

Tampere University of Technology, 2015. 43 p. (Tampere University of Technology. Publication; Vol. 1341).
Research output: Collection of articles › Doctoral Thesis

Khan, M. Waqas A.; Björninen, Toni; Sydänheimo, Lauri; Ukkonen, Leena / Characterization of Two-Turns External Loop Antenna with Magnetic Core for Efficient Wireless Powering of Cortical Implants.
Research output: Scientific - peer-review › Article

Rizwan, Muhammad; Khan, Waqas A.; Sydänheimo, Lauri; Ukkonen, Leena / Performance Evaluation of Circularly Polarized Patch Antenna on Flexible EPDM Substrate Near Human Body.
Research output: Scientific - peer-review › Conference contribution

Tuukkanen, Sampo; Rajala, Satu / A survey of printable piezoelectric sensors.
Research output: Scientific - peer-review › Conference contribution

Järvenhaara, Jani; Herzog, Hans; Sipilä, Sami; Tian, Jing; Filanovsky, Igor M.; Tchamov, Nikolay T. / High speed DC-DC dead time architecture.
In: IEICE Electronics Express, Vol. 12, No. 19, 20150662, 10.10.2015.
Research output: Scientific - peer-review › Article

Tamminen, Pasi; Viheriäkoski, Toni; Sydänheimo, Lauri; Ukkonen, Leena / ESD qualification data used as the basis for building electrostatic discharge protected areas.
Research output: Scientific - peer-review › Article

Viheriäkoski, Toni; Kohtamäki, Jari; Peltoniemi, Terttu; Tamminen, Pasi / Benchmarking of Factory Level ESD Control.
Research output: Scientific - peer-review › Conference contribution

Tamminen, Pasi; Viheriäkoski, Toni; Ukkonen, Leena; Sydänheimo, Lauri / ESD and Disturbance Cases in Electrostatic Protected Areas.
Research output: Scientific - peer-review › Conference contribution

Tamminen, Pasi; Ukkonen, Leena; Sydänheimo, Lauri / The effect of USB ground cable and product dynamic capacitance on IEC61000-4-2 qualification.
Research output: Scientific - peer-review › Conference contribution

Viheriäkoski, Toni; Kohtamäki, Jari; Peltoniemi, Terttu; Tamminen, Pasi / Uncertainties in Charge Measurements of ESD Risk Assessment.
Rizwan, Muhammad; Rahmat-Samii, Yahya; Ukkonen, Leena / Circularly Polarized Textile Antenna For 2.45 GHz.
Research output: Scientific - peer-review › Conference contribution

Cömert, Alper / The Assessment and Reduction of Motion Artifact in Dry Contact Biopotential Electrodes.
Tampere : Tampere University of Technology, 2015. 76 p. (Tampere University of Technology. Publication; Vol. 1319).
Research output: Collection of articles › Doctoral Thesis

Research output: Scientific - peer-review › Article

Khan, M.W.A.; Behfar, M.; Björninen, T.; Ukkonen, L.; Sydänheimo, L. / Effect of magnetic core and higher operational frequency on sensitivity in frequency shift detection in wireless passive minimally invasive intracranial pressure monitoring.
Research output: Scientific - peer-review › Conference contribution

Björninen, Toni; Virkki, Johanna; Sydänheimo, Lauri; Ukkonen, Leena / Manufacturing of antennas for passive UHF RFID tags by direct write dispensing of copper and silver inks on textiles.
Research output: Scientific - peer-review › Conference contribution

Khan, Waqas; Björninen, Toni; Ukkonen, Leena; Sydänheimo, Lauri / Two-turns antenna and magnetic materials for effective powering of mm-size implant in wireless brain-machine interface system.
Research output: Scientific - peer-review › Conference contribution

Pääkkönen, Rauno; Lundström, Marko; Mustaparta, Jari ; Korpinen, Leena / Examples of electromagnetic field (50–100 kHz) emissions from smart meters in Finland.
Research output: Scientific - peer-review › Article

Korpinen, Leena; Lähdetie, Artturi; Amundin, Åke; Piippo, Hannu; Sydänheimo, Lauri / Examples of extremely low-frequency magnetic fields in a Finnish metro station.
Research output: Scientific - peer-review › Article

Okun, Oleksandr; Ivanov, Yurii; Korpinen, Leena / Determination of asymmetry of currents and voltages in high voltage power transmission with a long transmission line.
Research output: Scientific - peer-review › Conference contribution

Tarao, Hiroo; Miyamoto, Hironobu; Hayashi, Noriyuki; Matsumoto, Takashi; Korpinen, Leena; Isaka, Katsuo / Estimation of induced currents in the human body exposed to non-uniform ELF electric fields.
Research output: Scientific - peer-review › Conference contribution
Pääkkönen, Rauno; Korpinen, Leena; Gobba, Fabriziomaria / Occupational exposure to magnetic fields while working around a reactor at a 400 kV substation in Finland. ISH2015 - The 19th International Symposium on High Voltage Engineering, Pilsen, Czech Republic, August, 23 – 28, 2015. Pilsen, Czech Republic , 2015. 163.
Research output: Scientific - peer-review › Conference contribution

Korpinnen, Leena; Tarao, Hiroo; Pääkkönen, Rauno; Gobba, Fabriziomaria / Possibility of decreasing 50 Hz electric field exposure with different coveralls under 400 kV power lines. ISH2015 - The 19th International Symposium on High Voltage Engineering, Pilsen, Czech Republic, August, 23 – 28, 2015. Pilsen, Czech Republic , 2015. 161.
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Conference contribution

Pääkkönen, Rauno; Lundström, Marko; Mustaparta, Jari ; Korpinen, Leena / Emission of Smart Meter Electric Fields (50 - 100 kHz) in Finland. Progress In Electromagnetics Research Symposium, July 6-9, 2015, Prague, Czech Republic. Electromagnetics Academy, 2015. p. 565 - 567 (Progress in electromagnetics research symposium).
Research output: Scientific - peer-review › Conference contribution

Pääkkönen, Rauno; Lundström, Marko; Mustaparta, Jari ; Korpinen, Leena / Examples of Electromagnetic Field Sources in an Indoor Distribution Substation. Progress In Electromagnetics Research Symposium, July 6-9, 2015, Prague, Czech Republic. Electromagnetics Academy, 2015. p. 561 - 564 (Progress in electromagnetics research symposium).
Research output: Scientific - peer-review › Conference contribution

Korpinen, Leena; Pääkkönen, Rauno; Tarao, Hiroo; Okun, Oleksandr; Sydänheimio, Lauri / Examples of Variation in Measured ELF Electric Fields under 400 kV Power Lines. Progress In Electromagnetics Research Symposium, July 6-9, 2015, Prague, Czech Republic. Electromagnetics Academy, 2015. p. 1104 - 1106 (Progress in electromagnetics research symposium).
Research output: Scientific - peer-review › Conference contribution

Korpinen, Leena; Tarao, Hiroo; Pääkkönen, Rauno; Okun, Oleksandr; Sydänheimo, Lauri / Influences of High Relative Humidity on Extremely Low Frequency Electric Field Measurements.

Korpinen, Leena; Okun, Oleksandr; Sydänheimo, Lauri / Numerical Estimation of Muscle Conductivity in Terms of Human Body Internal Resistance.

Korpinen, Leena; Okun, Oleksandr; Sydänheimo, Lauri / Possible Methods for Limiting Exposure to the Electric Fields of High Voltage Power Lines on Active Implantable Medical Devices in the Human Body.

Tarao, Hiroo; Aga, Katsuaki; Okun, Oleksandr; Korpinen, Leena / Numerical Estimation of Muscle Conductivity in Terms of Human Body Internal Resistance.

Mendes, Miguel Rodrigues; Subramaniam, Narayan Puthanmadam; Wendel-Mitoraj, Katrina / Evaluating the electrode measurement sensitivity of subdermal electroencephalography electrodes.

Koski, Karoliina; Moradi, Elham; Hasani, Masoumeh; Virkki, Johanna; Björninen, Toni; Rahmat-Samii, Yahya; Ukkonen, Leena / Electro-textiles – The enabling technology for wearable antennas in wireless body-centric sensing systems.

Behfar, Mohammadhossein; Moradi, Elham; Björninen, Toni; Sydänheimo, Lauri; Ukkonen, Leena / Evaluation of an implantable passive sensor for wireless intracranial pressure monitoring.

Khonsari, Zahra; Björninen, Toni; Sydänheimo, Lauri; Tentzeris, Manos M.; Ukkonen, Leena / Inkjet-printed monopole antenna and voltage doubler on cardboard for RF energy harvesting.

Björninen, Toni; Virkki, Johanna; Sydänheimo, Lauri; Ukkonen, Leena / Possibilities of 3D direct write dispensing for textile UHF RFID tag manufacturing.

Korpinen, Leena; Pääkkönen, Rauno; Gobba, Fabriziomaria / Self-reported ache, pain, or numbness in hip and lower back and use of computers and cell phones amongst Finns aged 18–65.

Niittynen, Juha; Sowade, Enrico; Kang, Hyunkyoo; Baumann, Reinhard R.; Mäntysalo, Matti / Comparison of laser and intense pulsed light sintering (IPL) for inkjet-printed copper nanoparticle layers.
In: Scientific Reports, Vol. 5, 8832, 06.03.2015.
Research output: Scientific - peer-review › Article

Moradi, E.; Koski, K.; Hasani, M.; Rahmat-Samii, Y.; Ukkonen, L. / Antenna design considerations for far field and near field wireless body-centric systems.
Research output: Scientific - peer-review › Conference contribution

Webb, R. Chad; Pielak, Rafal M.; Bastien, Philippe; Ayers, Joshua; Niittynen, Juha; Kurniawan, Jonas; Manco, Megan; Lin, Athena; Cho, Nam Heon; Malychuk, Viktor; Balooch, Guive; Rogers, John A. / Thermal transport characteristics of human skin measured in vivo using ultrathin conformal arrays of thermal sensors and actuators.
Research output: Scientific - peer-review › Article

Tampere University of Technology, 2015. 55 p. (Tampere University of Technology. Publication; Vol. 1274).
Research output: Collection of articles › Doctoral Thesis

Khonsari, Zahra; Björninen, Toni; Tentzeris, Manos M.; Sydänheimo, Lauri; Ukkonen, Leena / 2.4 GHz inkjet-printed RF energy harvester on bulk cardboard substrate.
Research output: Scientific - peer-review › Conference contribution

Koski, Karoliina; Moradi, Elham; Björninen, Toni; Apostolos, Georgiadis / Highlights of 2014 IEEE RFID Technology and Applications Conference.
Research output: Scientific › Article

Korpinen, Leena; Pääkkönen, Rauno; Gobba, Fabriziomaria / Accidents and Close Call Situations Connected to the Use of Mobile Phones in Working-Age People ≥ 50 Years Old.
Research output: Scientific - peer-review › Article

Hasani, Masoumeh; Vena, Arnaud; Sydänheimo, Lauri; Tentzeris, Manos M.; Ukkonen, Leena / A Novel Enhanced-Performance Flexible RFID-Enabled Embroidered Wireless Integrated Module for Sensing Applications.
Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Article

Moradi, Elham; Amendola, Sara; Björninen, Toni; Sydänheimo, Lauri; Carmena, Jose M.; Rabaey, Jan M.; Ukkonen, Leena / Backscattering neural tags for wireless brain-machine interface systems.
Research output: Scientific - peer-review › Article

Salpavaara, Timo; Ellä, Ville; Kellomäki, Minna; Lekkala, Jukka / Biodegradable passive resonance sensor: Fabrication and initial testing.
Ren, Yanan; Virkki, Johanna; Sydänheimo, Lauri; Ukkonen, Leena; Chan, Yan-Cheong / Brush-painted silver UHF RFID tags on environmental-friendly and flexible substrates.
Research output: Scientific - peer-review › Conference contribution

Okun, Oleksandr; Korpinen, Leena / Comparison of methods to define power line and substation's busbar wire capacitances in electric field calculation task.
Research output: Scientific - peer-review › Article

Filanovsky, Igor; Järvenhaara, Jani; Tchamov, Nikolay / DC-DC Converter Power Stage With Cascoded Transistors And Automatic Dead Time Generation.
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Korpinen, Leena; Pääkkönen, Rauno; Gobba, Fabriziomaria / Ergonomics Aspects of Work with Computers.
Research output: Scientific - peer-review › Article

Korpinen, Leena; Lähdehet, Artturi; Amundin, Åke; Piippo, Hannu; Sydänheimo, Lauri / Example measurements of exposure to ELF magnetic fields on the metro station in Finland.
Research output: Scientific - peer-review › Article
Korpinen, Leena; Pääkkönen, Rauno / Examples of occupational exposure to electric and magnetic fields at 110-kV gas-insulated substations (GISs).
Research output: Scientific - peer-review › Article

Korpinen, Leena; Pääkkönen, Rauno / Examples of the Teaching of the Health Questions of Electric and Magnetic Fields at Tampere University of Technology in Finland.
Research output: Scientific - peer-review › Article

Pääkkönen, Rauno; Lundström, Marko; Mustaparta, Jari ; Korpinen, Leena / Exposure to RF fields during the remote readings of the smart meter in Finland.
Research output: Scientific - peer-review › Article

Akbari, Mitra; Sydänheimo, Lauri; Juuti, Jari; Ukkonen, Leena / Flash Reduction of Inkjet Printed Graphene Oxide on Flexible Substrates for Electronic Applications.
Research output: Scientific - peer-review › Conference contribution

Sand, Antti; Rakkolainen, Ismo; Isokoski, Poika; Kangas, Jari; Raisamo, Roope; Palovuori, Karri / Head-mounted Display with Mid-air Tactile Feedback.
Research output: Scientific - peer-review › Conference contribution

Korpinen, Leena; Gobba, Fabriziomaria / Health surveillance according to the new EU directive 2013/35/EU: possible criteria.
Research output: Scientific - peer-review › Article

Palovuori, Karri; Rakkolainen, Ismo / Improved Interaction for Mid-Air Projection Screen Technology.
Handbook of Research on Interactive Information Quality in Expanding Social Network Communications. IGI Global, 2015. p. 84-103.
Research output: Scientific - peer-review › Chapter

Vuorinen, Tiina; Niittynen, Juha; Kankkunen, Timo; Lammi, Toni; Mäntysalo, Matti / Inkjet-printed push-buttons for epidermal electronics.
Research output: Scientific - peer-review › Conference contribution

Saghlatoon, Hossein; Björninen, Toni; Sydänheimo, Lauri; Tentzeris, Manos M.; Ukkonen, Leena / Inkjet-printed wideband planar monopole antenna on cardboard for RF energy-harvesting applications.
Research output: Scientific - peer-review › Article

Fischer, Andreas C.; Mäntysalo, Matti; Niklaus, Frank / Inkjet Printing, Laser Based Micromachining and Micro 3D Printing Technologies for MEMS.
Research output: Scientific - peer-review › Chapter

Pääkkönen, Rauno; Gobba, Fabriziomaria; Korpinen, Leena / LED Lighting Interviews and Assessment in Forest Machines.
Tarao, Hiroo; Korpinnen, Leena; Hayashi, Noriyuki; Isaka, Katsuo / Measurements of magneticfields and contact currents produced by domestic induction hobs.
Research output: Scientific - peer-review › Article

Gobba, Fabriziomaria; Rossi, Paolo; Bravo, Giulia ; Contessa, Gian Marco ; Korpinnen, Leena / Occupational and environmental exposure to extremely low frequency magneticfields in a large group of workers.
Research output: Scientific - peer-review › Article

Clemens, Wolfgang (Editor); Lupo, Donald (Editor); Hecker, Klaus (Editor); Breitung, Sven (Editor) / OE-A Roadmap for Organic and Printed Electronics.
6 ed. OE-A (Organic and Printed Electronics Association), 2015.
Research output: Professional › Anthology

Akbar, Rehman; Filanovsky, Igor; Järvenhaara, Jani; Tchamov, Nikolay / Operation and Design of VHF Self-Oscillating DC-DC Converter with Integrated Transformer.
Research output: Scientific - peer-review › Conference contribution

Korpinnen, Leena; Pääkkönen, Rauno / Possibility to decreasing the 50Hz electric field exposure with different jackets.
Research output: Scientific - peer-review › Article

Korpinnen, Leena; Pääkkönen, Rauno; Gobba, Fabriziomaria; Virtanen, Vesa / Possible Exposure of Persons with Cardiac Pacemakers to Extremely Low Frequency (ELF) Electric and Magnetic Fields.
Research output: Scientific - peer-review › Article

Pääkkönen, Rauno; Lundström, Marko; Mustaparta, Jari ; Korpinnen, Leena / Preliminary measurements of smart meter electromagnetic field (50-100kHz) emissions in Finland.
Research output: Scientific - peer-review › Article

Mäntysalo, Matti; Vuorinen, Tiina; Nurmentaus, Sampo / Printed hybrid systems for healthcare.
Research output: Professional › Article

Korpinnen, Leena; Penttilä, Mika; Pääkkönen, Rauno; Virtanen, Vesa / Sähkö- ja magneettikenttien mahdolliset vaikutukset rymihäiriöitädessimien toimintaan 400 kV:n voimajohdon alla.
Research output: Scientific - peer-review › Conference contribution

Virkki, Johanna; Björninen, Toni; Merilampi, Sari; Sydänheimo, Lauri; Ukkonen, Leena / The effects of recurrent stretching on the performance of electro-textile and screen-printed ultra-high-frequency radio-frequency identification tags.
Research output: Scientific - peer-review › Article

Palovuori, Karri; Rakkolainen, Ismo / The heat is on: thermal input for immaterial interaction.
Research output: Scientific - peer-review › Conference contribution
Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Muller, Rikky; Le, Hanh Phuc; Li, Wen; Ledochowitsch, Peter; Gambini, Simone; Björninen, Toni; Koralek, Aaron; Carmen, Jose M.; Maharbiz, Michel M.; Alon, Elad; Rabaey, Jan M. / A Minimally Invasive 64-Channel Wireless μeCoG Implant. In: IEEE Journal of Solid State Circuits, Vol. 50, No. 1, 6964818, 21.11.2014, p. 344-359.
Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Article

Tuukkanen, Sampo; Hoikkanen, Maija; Poikelispää, Minna; Honkanen, Mari; Vuorinen, Tiina; Kakkonen, Markus; Vuorinen, Jyrki; Lupo, Donald / Stretching of solution processed carbon nanotube and graphene nanocomposite films on rubber substrates. In: Synthetic Metals, Vol. 191, 05.2014, p. 28-35.
Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article
Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Article

Research output: Professional › Article

Muller, Rikky; Le, Hanh-Phuc; Li, Wen; Ledochowitsch, Peter; Gambini, Simone; Björminen, Toni; Koralek, Aaron; Carmena, Jose M.; Mahabir, Michel M.; Alon, Elad; Rabaey, Jan M. / A miniaturized 64-channel 225μW wireless electrocorticographic neural sensor. 2014 IEEE International Solid-State Circuits Conference Digest of Technical Papers (ISSCC), 9-13 February 2014, San Francisco, CA, USA. Piscataway, NJ : Institute of Electrical and Electronics Engineers IEEE, 2014. p. 412-413. 
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Conference contribution

Hasani, Masoumeh; Vena, Arnaud; Sydänheimo, Lauri; Ukkonen, Leena; Tentzeris, Manos M. / A novel RFID-enabled strain sensor using the double power measurement technique. 2014 IEEE MTT-S International Microwave Symposium (IMS), 1-6 June 2014, Tampa, FL, USA. Institute of Electrical and Electronics Engineers IEEE, 2014. p. 1-4. 
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article
Moradi, Elham; Björninen, Toni; Sydänheimo, Lauri; Ukkonen, Leena / Comparison of inkjet-printed and microfabricated loop antennas for implants in wireless brain-machine interface systems.
Research output: Scientific - peer-review › Conference contribution

Okun, Olexandr; Korpinen, Leena / Comparison of methods to define power line and substation’s busbar wire capacitances in electric field calculation task.
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Vainio, Antti-Matti; Pensas, Harri; Vanhala, Jukka / Context Recognition in a Smart Home: Living Experiment.
Research output: Scientific - peer-review › Conference contribution

Pääkkönen, R.; Korpinen, L. / Co-operation between Industry, Authorities and Research Institutes in Environmental and Occupational Exposure to Electric and Magnetic Field Questions in Finland.
Research output: Scientific - peer-review › Conference contribution

Korpinen, Leena; Kuisti, Harri; Elovaara, Jarno / Current densities and total contact currents for 110 and 220 kV power line tasks.
Research output: Scientific - peer-review › Article

Amendola, Sara; Moradi, Elham; Koski, Karoliina; Björninen, Toni; Sydänheimo, Lauri; Ukkonen, Leena; Rabaeys, Jan M.; Rahmat-Samii, Yahya / Design and Optimization of mm-Size Implantable and Wearable On-Body Antennas for Biomedical Systems.
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article

Siipilä, Erja; Virkki, Johanna; Sydänheimo, Lauri; Ukkonen, Leena / Effect of Sintering Method on the Read Range of Brush-painted Silver Nanoparticle UHF RFID Tags on Wood and Polyimide Substrates.
Research output: Scientific - peer-review › Conference contribution

Viheriäkoski, Toni; Kokkonen, Mika; Tamminen, Pasi; Karja, Eira; Hillberg, Jukka; Smallwood, Jeremy / Electrostatic Threats in Hospital Environment.
Research output: Scientific - peer-review › Conference contribution
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Korpinen, Leena; Lähdetie, Artturi; Amundin, Åke; Piippo, Hannu; Sydänheimo, Lauri / Example measurements of exposure to ELF magnetic fields on the metro station in Finland. 8th International Workshop on Biological Effects of Electromagnetic Fields, 21-26 September, 2014, Golden Sands, Varna, Bulgaria. 2014. p. 338-341.
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article

Fu, Yan Yan; Chan, Yuk Lam; Yang, Ming Hao; Chan, Yan-Cheong; Virkki, Johanna; Björninen, Toni; Sydänheimo, Lauri; Ukkonen, Leena / Experimental Study on the Washing Durability of Electro-Textile UHF RFID Tags. In: IEEE Antennas and Wireless Propagation Letters, Vol. 14, 2014, p. 466-469.
Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Conference contribution

Pääkkönen, Rauno; Lundström, Marko; Mustaparta, Jari; Korpinen, Leena / Exposure to RF fields during the remote readings of the smart meter in Finland. 8th International Workshop on Biological Effects of Electromagnetic Fields, 21-26 September, 2014, Golden Sands, Varna, Bulgaria. 2014. p. 94-96.
Research output: Scientific - peer-review › Conference contribution

Lehtimäki, Suvi; Pörhönen, Juho; Tuukkanen, Sampo; Moilanen, Pasi; Virtanen, Jorma; Lupo, Donald / Fabrication and characterization of solution-processed carbon nanotube supercapacitors. 2013 MRS Fall Meeting - Symposium SS/XX - Micro- and Nanoscale Systems - Novel Materials, Structures and Devices. MATERIALS RESEARCH SOCIETY, 2014.
Research output: Scientific - peer-review › Conference contribution
Janka, Marika; Raumonen, Pasi; Tuukkanen, Sampo; Lupo, Donald / Modelling of Joule heating based self-alignment method for metal grid line passivation.  
Research output: Scientific - peer-review » Conference contribution

Gobba, Fabriziomaria; Rossi, Paolo; Bravo, Giulia; Contessa, Gian Marco; Korpinen, Leena / Occupational and environmental exposure to extremely low frequency-magnetic fields in a large group of workers.  
Research output: Scientific - peer-review » Conference contribution

Research output: Scientific - peer-review » Article

Saghlatoon, Hossein; Sydänheimo, Lauri; Ukkonen, Leena; Tentzeris, Manos / Optimization of Inkjet Printing of Patch Antennas on Low-Cost Fibrous Substrates.  
Research output: Scientific - peer-review » Article

Janka, M.; Saukko, E.; Raumonen, P.; Lupo, D. / Optimization of large-area OLED current distribution grids with self-aligned passivation.  
Research output: Scientific - peer-review » Article

Saghlatoon, Hossein; Sydänheimo, Lauri; Ukkonen, Leena; Tentzeris, Manos M. / Optimized RF/microwave antennas and circuits on low-cost fibrous substrates using inkjet-printing technology.  
Research output: Scientific - peer-review » Conference contribution

Smallwood, Jeremy; Tamminen, Pasi; Viheriäkoski, Toni / Optimizing investment in ESD control.  
Research output: Scientific - peer-review » Conference contribution

Li, Miao; Heljo, Petri S.; Lupo, Donald / Organic Rectifying Diode and Circuit for Wireless Power Harvesting at 13.56 MHz.  
Research output: Scientific - peer-review » Article

Hasani, Masoumeh; Lohan, Elena-Simona; Sydänheimo, Lauri; Ukkonen, Leena / Path-Loss Model of Embroidered Passive RFID Tag on Human Body for Indoor Positioning Applications.  
Research output: Scientific - peer-review » Conference contribution

Korpinen, Leena; Päällkönen, Rauno / Possibility to decreasing the 50 Hz electric field exposure with different jackets.  
Research output: Scientific - peer-review » Conference contribution

Gobba, Fabriziomaria; Korpinen, Leena / Possible criteria for health surveillance based on the new directive.  
Research output: Scientific - peer-review › Conference contribution

Pääkkönen, Rauno; Lundström, Marko; Mustaparta, Jari; Korpinen, Leena / Preliminary measurements of smart meter electromagnetic field (50-100 kHz) emissions in Finland.
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Zakrzewski, Mari; Palovuori, Karri; Vanhala, Jukka / Quadrature Channel Calibration with a Pendulum for Accurate Displacement Measurement with CW Doppler Radar.
Research output: Scientific - peer-review › Conference contribution

Niittynen, Juha; Koskinen, Santtu; Mäntysalo, Matti; Kiilunen, Janne; Pippola, Juha; Frisk, Laura / Reliability of Flex-to-Flex Interconnections on Injet-Printed PCBs Using Electrically Conductive Adhesives.
Research output: Scientific - peer-review › Conference contribution

Putaala, Jussi; Hannu, Jari; Kunnari, Esa; Mäntysalo, Matti; Nousiainen, Olli; Jantunen, Heli / Reliability of SMD interconnections on flexible low-temperature substrates with inkjet-printed conductors.
Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Article

Hirvonen, Juha; Latifi, Seyed Kourosh; Palovuori, Karri; Kallio, Pasi / Semi-automatic Measurement of Microfibril Angle on a Microrobotic Platform.
Research output: Scientific - peer-review › Conference contribution

Björninen, Toni / Split ring antennas - A Less Explored Antenna Type in Far Field RFID Tags.
Research output: Scientific - Article

Lohan, Elena-Simona; Koski, Karoliina; Talvitie, Jukka; Ukkonen, Leena / WLAN and RFID propagation channels for hybrid indoor positioning.
Research output: Scientific - peer-review › Conference contribution

Korpinen, Leena; Souques, Martine / Workers at particular risk: the case of medical implants.
Research output: Scientific - peer-review › Conference contribution

Huotari, Matti; Vehkaoja, Antti; Määttä, Kari; Rönng, Juha / Arterial pulse waves measured with EMFi and PPG sensors and comparison of the pulse waveform spectral and decomposition analysis in healthy young and elderly subjects.
Research output: Scientific - peer-review › Article

Rantanen, Ville; Kumpulainen, Pekka; Venesvirta, Hanna; Verho, Jarmo; Spakov, Oleg; Lylykangas, Jani; Vetek, Akos; Surakka, Veikko; Lekkala, Jukka / Capacitive facial activity measurement.
Research output: Scientific - peer-review › Article

Rantanen, Ville; Venesvirta, Hanna; Spakov, Oleg; Verho, Jarmo; Vetek, Akos; Surakka, Veikko; Lekkala, Jukka / Capacitive Measurement of Facial Activity Intensity.
Research output: Scientific - peer-review › Article

Okun, O.; Shevchenko, S.; Korpinen, L. / Comparison of design measures to reduce 50-Hz magnetic fields of high voltage power objects.
Research output: Scientific - peer-review › Conference contribution

Korpinen, Leena; Kuisti, Harri; Elovaara, Jarmo / Current densities and total contact currents associated with 400kV power line tasks.
Research output: Scientific - peer-review › Article

Björninen, Toni; Moradi, Elham; Sydänheimo, Lauri; Carmena, Jose M.; Rabaey, Jan M.; Ukkonen, Leena / Electromagnetic Modelling and Measurement of Antennas for Wireless Brain-Machine Interface Systems.
Research output: Scientific - peer-review › Conference contribution

Venesvirta, Hanna; Surakka, Veikko; Lylykangas, Jani; Rantanen, Ville; Spakov, Oleg; Verho, Jarmo; Vetek, Akos; Lekkala, Jukka / Face-hugging device for technology mediated human-human interaction.
Research output: Scientific - peer-review › Conference contribution

Tuisku, Outi; Surakka, Veikko; Rantanen, Ville; Lekkala, Jukka / Face Interface: Using voluntary gaze direction and facial muscle activations for human-computer interaction.
Björninen, Toni / Improved loop matching techniques and other alternatives to achieve broadband impedance matching in antennas for far field RFID tags.
Research output: Scientific › Article

Korpinen, Leena; Pääkkönen, Rauno / Mielenkiintoinen direktiivi työntekijöiden sähkömagneettisille kentille altistumisesta valmistui.
Research output: Professional › Article

Research output: Scientific - peer-review › Conference contribution

Tarao, Hiroo; Hayashi, Noriyuki; Korpinen, Leena; Matsumoto, Takashi; Isaka, Katsuo / Numerical estimations of induced and contact currents in human body in contact with a car in 60 Hz electric fields.
Research output: Scientific - peer-review › Conference contribution

Pääkkönen, Rauno; Korpinen, Leena; Gobba, Fabriziomaria / Occupational exposure to electric and magnetic fields whilst working around power transformers at 110 kV substations in Tampere, Finland.
Research output: Scientific - peer-review › Conference contribution

Huotari, Matti; Vehkaoja, Antti; Määttä, Kari; Kostamovaara, Juha / Pulse waveforms are an indicator of the condition of vascular system.
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Korpínen, Leena; Alanko, Tommi / Sähkö- ja elektroniikkateollisuuden ympäristösymykset.
Tampereen teknillinen yliopisto, 2013. 120 p. (Tampereen teknillinen yliopisto. Elektronikka ja tie- ja ohjausrakenteen laitos. Opetusmoniste; No. 1).
Research output: Professional › Book

Kuisti, H.; Korpínen, L.; Elovaara, J.; Virtanen, V. / Testing Cardiac Pacemakers and Implantable cardioverter defibrillators (ICD) with a human-shaped phantom in the electric and magnetic fields of 400-kV power lines and of 400-kV substations.
Research output: Scientific - peer-review › Conference contribution