

Results of Best Poster Competition in respective sessions at Poster 2019 Conference

Session BI

1. Leonie Korn, Max Rumpf: Testbench to model cardiac volume changes
1. Martin Dostál: High frequency oscillation analysis in epileptic patients
2. Simon Lyra, Michael Paul: Organic LED panels for pulse rate measurement using photoplethysmography imaging
2. Marek Kordík: Assessment of Tidal Volume in High-frequency Oscillatory Ventilation
3. Saskia Wepner, Jan-Gerrit Richter: Subject Movement During the Measurement of Head-Related Transfer Functions
- 3 Steffen Künzinger: Signal recording of 3D neurospheres on high-resolution CMOS MEA platform

Session C

1. Christian Dreier, Mark Müller-Giebler: Measurement of Rotational Degrees of Freedom in Vibroacoustic Transfer Functions
2. Ishan Saxena, Hossein Bakhshi-Golestani: Hierarchical Depth Map Estimation for Inter-Prediction in Video Coding
3. Erik Ottlik, Abin Jose: Binarization of Feature Vectors for Image Retrieval

Session EI

1. Dalibor Barri: Modeling of a Hump Effect Using a Three-Dimensional TCAD Device Simulator
2. Lukáš Buryanec: High Performance Ultra-low Quiescent Current LDO Regulator
3. Pavel Vančura: Radiation Tolerant 8-bit Analog to Digital Converter with Successive approximation
4. Maya Strautmann, Gereon Stahl: Parameterisation of an Equivalent Circuit Model of an LTO Battery Cell

Undergraduate award in EI: Alexander Blömeke: A procedure for frequency selection of multisine impedance spectroscopy regarding higher harmonics at undersampling conditions

Session HS

1. Nádia Matioli Yazbek Bitar: Amazonia and the hydropower plants: urban networks, decrease of the forest and spatial inequalities
2. -3. Zbyněk Nikel: Thundering the Engines of Flying Fortresses and Liberators over the “Palaba” Factory
- 2.-3. Martin Pola: Gaius Sergius Orata and the Underfloor Heating System
4. Pavel Borkovec: Introduction of Photography Teaching at the Imperial and Royal Czech Technical University in Prague

Session IC

1. Petr Ryšavý: Approximate search in genomic data
2. Marián Hudák, Martin Sivý: Web-based collaborative virtual environments to support cross-platform access
3. Jakub Klemsa, Jan Říha: VeraGreg: A Framework for Verifiable Privacy-Preserving Data Aggregation

Session M

1. Alena Pavlova: Development of a hybrid power plant for the power supply of a rural area
2. Lukáš Dvořáček: Benefits of Battery Storage for Charging Stations
3. Vladimir Konusarov: LPS For Power Supply facility
4. Andrey Kurganovskiy: Hybrid Power Supply in the Koyda Village
5. Daniel Běhal, Tomáš Tichý, Lukáš Dvořáček: Economic Evaluation of FDM 3D Printing Method

Session NS

1. Jan Novotný: Optimizing of experimental load of PFZ-200 plasma focus
2. Alexandr Pošta: In-situ Raman spectroscopy characterization of SU-8 epoxy resin temperature dependent curing proces
3. Pavla Bednářová, Lucia Čabrová: Characterization of plasma in the PF-1000 plasma focus experiments

Session PE

1. Ondřej Lipčák: Observer-Based Identification of Nonlinear Magnetizing Inductance of Induction Machine
2. -3. Lavr Vetoshkin: Improvement of transient stability using STATCOM with a nonlinear PID controller
- 2.-3. Jan Petrášek: Synthesis and Spark Plasma Sintering of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$
4. Timofei Abramov: Model of operation modes of a stand-alone photovoltaic systems taking into account the actual operating conditions

Award of IEEE MTT/AP/ED/EMC Joint Chapter : Pavel Vančura: Radiation Tolerant 8-bit Analog to Digital Converter with Successive approximation