

Poster 2017
May 23, 2017, Prague
Results of the Best Poster Award Competition

Session BI

- 1 Christoph Hoog Antink, David Hejj, Bernhard Penzlin: Spatial Analysis of Cardiorespiratory Thorax Movement with Motion Capture and Deconvolution
1. Jakub Šourek, Adéla Váchová, Zuzana Wanglerová, Petr Volf, Jan Hejda: Hybrid Motion Capture System for Measuring Kinematics of Vestibular Apparatus

2. Marina Albaladejo Siguan, Roland Fischer: Development and Characterization of a Hydrogel for Flexible and Stretchable Substrates

- 2 Nico-Wei Kück: In vitro Platform for Acoustic and Electrophysiological Investigations of Ultrasound Neuromodulation

3. Karin Loh: A concept to compare noise perception by adults and children using aurally accurate measurements
- 3 Jan Štrobl, Marek Piorecký: Hybrid Motion Capture System for Measuring Kinematics of Vestibular Apparatus

Session C

1. Christian Hoyer: Ultra low cost 24 GHz CW Doppler Radar System
2. Marian Knietel: Optical planar multimode 1x2Y splitters

Session EI

1. Marco Berzborn: Analytic Investigation of a Matched MIMO System
2. Jakub Pospíšil: Hot Pixels Suppression in Structured Illumination Microscopy
3. Daniel Rüschen, Moritz Schrey, Johannes Freese, Iris Heisterklaus: Generation of True Random Numbers based on Radioactive Decay

Session HS

1. Gil Goldman: *Magicae Machinas* - Milestones in Robot and Automaton History
2. Olga Kholkovskaia: Role of the Brown Corpus in history of computer linguistics
3. Zbyněk Níkel: Education of apprentices in the firm Pála, joint-stock company, in the period of the Protectorate of Bohemia and Moravia
4. Vojtěch Hájek: Development and use of Czechoslovak helicopters 1945-1971

Session IC

1. Hossein Barghi Jond: Leaderless Formation Control Based on Differential Game
2. Marek Danel: Reinforcement Learning for Humanoid Robot Control
3. Petr Ryšavý: Using Tries for Evaluating Monge-Elkan Distance on Genomic Sequences

Session M

1. Assylbek Igissenov: Designing parallel working wind power station in South Kazakhstan
2. Badma Balzhinimaev: Usage of solar trackers in PV systems
3. Vadim Ershov: Evaluation of Autonomous Power Supply System in Oil and Gas Industry
4. Tadeáš Salaba: Analysis of Merit Order at ČEZ a.s. coal plants
5. Jaroslav Schürerer: Application of Wavelet Variance Analysis to Stock Prices in Select Technology Companies

Session NS

1. Viktor Hruška: Modal Approach for Sound Generation in Corrugated Pipes: A Phenomenological Model
2. Ekaterina Koshkina, Jaroslav Bouše : Localization in Static and Dynamic Hearing Scenarios: Utilization of Machine Learning and Binaural Auditory Model

Session PE

1. Pavel Skarolek: GaN DC/DC Quazi Z-Source Converter for Electric Vehicles with Redox Flow Batteries
2. Zuzana Konečná: Cable Qualification for Nuclear Power Plants
3. Parminder Singh Pannu, Samirkumar Patel: An overview and impact on environment of hybrid vehicles

Undergraduate prizes (no order):

Michal Kosek, Petr Mizera: Implementation of Cepstral Voice Activity Detector

Gil Goldman: Magicae Machinas - Milestones in Robot and Automaton History

Parminder Singh Pannu, Samirkumar Patel: An overview and impact on environment of hybrid vehicles

Durmus Umutcan Uguz: Design of a Multipurpose Photoplethysmography Sensor to Assist Cardiovascular Diagnosis

Erdenejargal Erdeneochir, Svitlana Strunina: Analysis of blood flow in extracorporeal membrane oxygenation circuit

Aleksei Pliusnin: Hybrid Electric Supply System for Baikalskoe Village