34th International Scientific Conference "Science in Practice 2016" - Subotica

CONFERENCE PROGRAMME

THURSDAY - 8 December 2016

17:00 - Arrival of first guests / Hotel PBG, Harambašićeva 19-21, Subotica

19:30 - 22:00 – Social event at the Kafa Priča, Korzo 9/2, 24000 Subotica – (for guests and members of organizing committee)

FRIDAY - 9 December 2016

08:30 - 09:00 - Registration for the Conference at Subotica Tech

09:00 - 09:20 - Opening Ceremony of the Conference (Room 206)

09:20 - 10:30 - **Plenary sessions** (Room 206) - Chairman (Igor FÜRSTNER, Michael HARTJE)

- Thomas RISSE - It's Time for Unums – an Alternative to IEEE 754 Floats and Doubles
- Sören PEIK - QUSAR: Quite Universal Software Adjustable Radio
- Bernhard ARNDT - Decentralized Electrical Energy Supply and Electrobility
- Michael HARTJE - Change in High voltage engineering -- from the past to the future
- M. LABAK, Željko HOCENSKI, Tomislav MATIĆ - Speech Recognition in Real-Time

10:30 - 11:00 - Coffee break

11:15 – 12:45   **Section 2** (Room 206) - Chairman (Tomislav KESER, Zlatko ČOVIĆ)

- Miklos POTH - Discrete Tomographic Reconstruction of Binary Matrices Using Particle Swarm Optimization
- Michael HARTJE - Software defined Radio with Redpitaya – a measurement device and multipurpose radio system hardware
- Lukas MENNIKE: - Communication between digital circuits in SoCs – a new master lecture
- Andreas KRÄMER: - Energy Efficient Field Weakening Techniques for low-power and low-cost PMSM Drives with Sensorless Vector Control
- Anđelko LIŠNJIĆ, Vanja MANDRIĆ-RADIVOJEVIĆ, Slavko RUPČIĆ - Interception in Telecommunications
- Matej ŽNIDAREC, Srete NIKOLOVSKI, Damir ŠLJIVAC, Danijel TOPIĆ - Coordination of Relay Protection System of a Biomass Power Plant Spin Valis

- Tomislav KESER, Gabrijela KRAMAR, Hrvoje RADMAN - Application of Directional Contour Tracing Method in Classification of 2D Shapes

13:00 – 14:30   Lunch

14:50 – 16:50   **Section 3** (Room 206) - Chairman (Sören PEIK, János SIMON)

- Ildikó PERJÉSI-HÁMORI - Fourier Series and their Engineering Applications Using Computer Algebra System
- Gergely NYITRAY - Axial irradiance distribution of 2-dimensional localized optical waves
- György ELMER, István GYURCSEK - Lessons from a Loop Impedance Test at the Inspection of Electrical Installation
- György ELMER, Ildikó HORVÁTH - A Simple Memristor Based Device for Electric Energy Measurement
- Robert PINTER, Sanja MARAVIĆ ČISAR - Efficiency of the project-oriented learning
- Igor FÜRSTNER, Laslo GOGOLAK - Application of "smart" motors in mechatronic devices
- János SIMON, Gyula MESTER, Zlatko ČOVIĆ, Dalibor DOBRILOVIĆ, Imre PETKOVICS - IIoT environment and multi criteria decision making systems
- Petar ČISAR, Sanja MARAVIĆ ČISAR - Statistical quality control in function of threshold determining in network anomaly detection
- Eva PATAKY, Andras SAGI - The Reorganization Process in an Enterprise
- Andor SAGI, Anita SABO, Bojan KULJIĆ, Tibor SZAKÁLL - Applying Neuro-fuzzy Systems in Hospital

16:50 - 17:00 - Closing Ceremony

19:00 -   Conference Dinner / Woman's Lido (Ženski štrand), Palić