

MemoCIS 6<sup>th</sup> Workshop and MC Meeting  
'Memristors – Devices, Models, Circuits, Systems and Applications', Krakow, Poland.  
21.-22.9.2017

## PROGRAM

**Day 1 - Thursday, September 21, 2017**

09:00 – 09:30	Registration and Welcome
09:30 – 10:30	<b>Ronald Tetzlaff</b> , "Unconventional Computing by Memristor Networks"
10:30 – 11:00	Coffee Break
11:00 – 12:00	<b>Alon Ascoli, Ronald Tetzlaff, Dominik Baumann, Manfred Hild, Leon O. Chua</b> "Memcomputing paradigm for adaptive control of a humanoid robot"
12:00 – 12:30	<b>Jiri Vavra - Dalibor Bielek</b> , "Memristive Two-ports"
12:30 – 14:00	Lunch Break
14:00 – 15:00	<b>Michel Renovell</b> "Digital Circuit Testing: The Spot Defect Modeling Challenge"
15:00 – 16:00	<b>Work Groups Meetings</b>
16:00 – 16:30	Coffee Break
16:30 – 18:00	<b>Management Committee Meeting</b>



## PROGRAM

**Day 2 - Friday, September 22, 2017**

- 09:00 – 10:00**                      **Themis Prodromakis**, "Processing Big Data with Memristive Devices"
- 10:00 – 10:30                      **Coffee Break**
- 10:30 – 11:15**                      **Neil Kemp** "A route to hierarchical control in artificial intelligent systems: memristors with optically tuneable STDP synaptic plasticity"
- 11:15 – 12:00**                      **Natasa Samardzic** "Resistive Switching Effect in Nanomaterials Based Thin Film Memristors"
- 12:00 – 13:30                      **Lunch Break**
- 13:30 – 14:30**                      **Pawel Grybos**, "Presentation of the IC design group - AGH UST Krakow"
- 14:30 – 15:30**                      Visit Nano Lab. FAIS Jagiellonian University
- 15:30 – 16:00                      **Coffee Break**
- 16:00 – 17:00**                      **Additional Participants Presentations/Final discussions (short presentation + Posters)**
- Short Presentation:
1. Martin Klimo, Ondrej Škvarek, Peter Tarábek, Ondrej Šuch "Fuzzy Logic vs. Neural Networks in Resistive Switching"
- Posters:
1. Milutin Nestic, Branko Tomcik, Amela Zekovic, Bratislav Marinkovic and Predrag Pejovic ""Electrical characterization of polyaniline (PANI) based organic memristors and its emulation with Programmable microcontroller device"
  2. Vasileios Ntinis
  3. Paolo Bondavalli
- 17:00 – 17:30**                      **Meeting Closure and final remarks**