

August 23-25, 2016



# CNNA 2016

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### Local Arrangements and Finances

Andreas Mögel, TU Dresden

### Website & Publication

Jens Müller, TU Dresden

### Conference Office

Desdemona Bock, CMD  
Dresden  
Michele Lempke, TU Dresden

## 15th International Workshop on Cellular Nanoscale Networks and their Applications: Call for Papers

Computer technology is dramatically changing in recent years. Besides the general progression in multi-core and many-core designs there is a strong demand for emerging nano-scale technologies with low power dissipation, intelligent, bio-inspired machines, massively-parallel architectures with learning capabilities, and memristive systems. The CNNA 2016 will provide a forum for the presentation of latest results and exploration of future directions in the fields of:

- Nonlinear spatial-temporal dynamics
- Bio-inspired & neuromorphic circuits
- Physical implementations
- Applications on FPGAs and GPUs
- Cellular architectures and algorithms
- Sensor-Processor-Arrays
- Learning algorithms & applications
- Cellular wave computing

In addition, there will be a live demo session where authors can show their latest working hardware. For regular sessions, authors are invited to submit 2-page Full Papers according to posted guidelines. Only electronic submissions will be accepted via the Web at: <http://www.cnna2016.org>. Authors with a full registration can submit up to two papers, students one paper.

The **5<sup>th</sup> Memristor and Memristive Symposium** is organized by Fernando Corinto (Politecnico di Torino) and will be held on August 22.

### Important Dates

<b>Deadline for Special Session Proposal</b>	February 15, 2016
<b>Acceptance Notification for Special Session Proposal</b>	February 29, 2016
<b>Deadline for Regular Paper Submission</b>	March 15, 2016
<b>Acceptance Notification for Regular Papers</b>	May 2, 2016
<b>Deadline for Demo Proposals</b>	May 15, 2016
<b>Acceptance Notification for Demo Proposals</b>	May 30, 2016
<b>Camera-ready Submission for all Papers</b>	May 30, 2016

### Contact and Further Information

Michele Lempke, TU Dresden, 01062 Dresden, Germany, [office@cnna2016.org](mailto:office@cnna2016.org)

### The Conference Venue

Dresden is the center of »Silicon Saxony«, Europe's largest microelectronics cluster and one of the world's most innovative ICT clusters, with the TU Dresden as its intellectual and R&D center. Dresden is situated in the south-eastern part of the Free State of Saxony, in the picturesque Elbe river valley. It offers various cultural treasures accumulated by the Saxon rulers. The foothills of the Erzgebirge Mountains and others characterize the delightful surroundings of the Saxon state capital.