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IEEE SSD´12 - SCI

International Conference on Sensors, Circuits and Instrumentation Systems

March 20-23, 2012, Chemnitz - Germany

First Call For Paper

organized by

Chemnitz University of Technology (Germany), University of Sfax (Tunisia) and Philadelphia University (Jordan)

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Venue

Chemnitz, more than 800 years old, is situated in the heart of Saxony. The city is the third-largest in Saxony and is designated as "City of Modernity". Developed at the time of Classical Modernism, it became the "Manchester of the Continent", giving impetus to the development of business and science. The influences of the cultural and architectural modernism are visible so that today Chemnitz is a city with many interesting facets.

Aims & Scope

The International Conference on Sensors, Circuits and Instrumentation Systems is a forum for specialists to present their research results and to share experiences with other attendees coming from all over the world. It is the 9th conference since the founding of SSD in 2001 which is supported by international organizations such as IEEE, TSS and different scientific journals.

SSD-SCI will include keynote lectures by eminent scientists as well as oral and poster sessions. All papers will be peer reviewed on the basis of full manuscripts and acceptance will be based on quality, originality and relevance. SSD-SCI participants will have the possibility to attend all SSD conferences taking place in parallel, such as: Systems Analysis and Automatic Control (SAC), Power Electrical Systems (PES) and Communication and Signal Processing (CSP).

Presented conference papers will be published in referred conference Proceedings and in the IEEE Xplore digital library. Best presented papers at SSD conferences will be selected for the international journal: Transactions on Systems, Signals and Devices (ISSN 1861-5252) by Shaker-Verlag (Germany).

Topics

The International Conference on Sensors, Circuits and Instrumentation Systems will cover topics related to sensors, circuits and systems, including (but not limited to) the following:

- Sensors and measurement systems
- Optical, chemical and biomedical sensors
- Mechanical and thermal sensors
- Micro-sensors and MEMS-technology
- Nano sensors, nano systems and nano technology
- Spectroscopy methods
- Signal processing and modeling
- Multi sensor data fusion
- Data acquisition and distributed measurements
- Energy harvesting and circuits
- Medical and environmental applications
- Circuit test, device characterization and modeling
- Sensor interfaces and measuring systems
- Custom and semi-custom circuits
- Analog circuit design
- Low-voltage, low-power VLSI design
- Nano and molecular electronics
- Circuits for wireless interfaces
- Packaging and reliability
- Materials, devices and interconnects
- Metrology and measurement uncertainty

Paper Submission

Papers submitted to SSD-SCI should be written in English and limited to six pages. Paper format and styles (LaTeX and MS-Word) are available for download at the conference website www.ssd-conf.org. Paper submission should be done electronically through the EDAS website http://edas.info//N10633.

Important Dates

➢ **November 15th, 2011:** submissions of full papers
➢ **January 15th, 2012:** notifications of acceptances/rejections
➢ **January 30th, 2012:** submissions of accepted paper final versions

Conference

Emails: info@ssd-conf.org; sci@ssd-conf.org
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