



March 20 – 23, 2012
Chemnitz, Germany

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IEEE SSD '12 - SAC

International Conference on Systems, Analysis and Automatic Control

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)

with the technical support of



CHEMNITZ UNIVERSITY
OF TECHNOLOGY

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 Systems, Analysis and Automatic Control 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-SAC 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-SAC participants will have the possibility to attend all SSD conferences taking place in parallel, such as: Power Electrical Systems (PES), Communication and Signal Processing (CSP) and Sensors, Circuits and Instrumentation Systems (SCI).

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 Systems, Analysis and Automatic Control will cover topics related to system design, modern control theory, robotics and human-machine interaction systems, including (but not limited to) the following:

- Advances in linear control theory
- System optimisation
- Multivariable control
- Large scale and infinite dimension systems
- Nonlinear control
- Optimal and stochastic control
- Predictive control
- Man-machine systems in engineering and operation
- Adaptive control
- Robotics and mechatronics
- Robust control
- Biological and economical models and control
- Distributed control
- Communication aspects and architectural aspects in networked automated systems
- Geometric control
- Requirements analysis in automation systems
- Intelligent control systems
- System identification
- Synthesis of automation systems

Paper Submission

Papers submitted to SSD-SAC 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; sac@ssd-conf.org
URL: www.ssd-conf.org