## ICSTCC 2012

**16th International Conference on System Theory, Control and Computing**

**Joint Conference of SINTES 16, SACCS 12, SIMSIS 16**

**First Call for Papers**

# 16th International Conference on System Theory, Control and Computing – ICSTCC 2012

## Joint Conference
## SINTES 16    SACCS 12    SIMSIS 16

### October 12 - 14, 2012

### Sinaia – Palace Hotel
### ROMANIA

### www.aie.ugal.ro/icstcc2012

**Organized by**
**"Dunărea de Jos" University of Galaţi, Faculty of Control Systems, Computers, Electrical and Electronics Engineering**
**"Gheorghe Asachi" Technical University of Iaşi, Faculty of Control Systems and Computer Engineering**
**University of Craiova, Faculty of Control Systems, Computers and Electronics, Control Systems Research Centre**

**Technically co-sponsored by**
**IEEE Control System Society**

## BACKGROUND

The Joint Conference is for the third time organized in this format. The main goal of this conference is to provide a multidisciplinary forum between researchers from industry and academia to discuss state-of-the-art topics in system theory, control and computing, and to present recent research results and prospects for development in this evolving area.

The ICSTCC conference emerges from the fusion of the three conferences which were consequently organized by "Dunarea de Jos" University of Galati, Faculty of Control Systems, Computers, Electrical and Electronics Engineering (SIMSIS - International Symposium on Modelling, Simulation and Identification Systems), "Gheorghe Asachi" Technical University of Iasi, Faculty of Control Systems and Computer Engineering (SACCS -International Symposium on Automatic Control and Computer Science) and University of Craiova, Faculty of Control Systems, Computers and Electronics (SINTES - International Conference on System Theory and Control). **As well as the previous editions, The 16th International Conference on System Theory, Control and Computing – ICSTCC 2012, is technically co-sponsored by IEEE Control Systems Society (see http://www.ieeecss.org/conferences ) and the papers will be indexed in IEEE Xplore.**

ICSTCC 2012 will feature several kinds of presentations including invited and contributed papers, special sessions and poster sessions. The outcome of ICSTCC 2012 can be a better understanding of some leading research areas, as already System Theory, Control and Computing have demonstrated.

## TOPICS

The topics include but is not restricted to:

**Control Systems and Robotics**
- Linear and Nonlinear Control System Design
- System Identification and Process Modelling
- Robust and Adaptive Control
- Robotics and Intelligent Control
- Applications & Case Studies in Automation & Robotics
- Embedded Systems
- Control Applications on Biotechnology, Energy, etc.

**Computer Science and Engineering**
- Distributed Systems and Software Engineering
- Databases and Software Systems
- Web services, Internet Security
- Software Tools and Methods
- Cloud, Grid and High Performance Computing
- Artificial Intelligence
- Computer Architecture

**Electronics and Instrumentation**
- Modelling, Simulation and CAD Tools
- Signal Processing and Communication Systems
- Linear and Nonlinear Circuits and Systems
- Evolutionary Electronics
- Sustainable Energy

### MAIN SPONSORS AND CO-ORGANIZERS (at this moment)

- Ministry of Education and Research of Romania,
- IEEE – Romanian Section
- ASTR – Romanian Academy of Technical Sciences
- SRAIT – Romanian Society for Automation and Technical Informatics

## COMMITTEES
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## IMPORTANT DEADLINES

- **May 1st, 2012:** Submission of proposals for INVITED SESSIONS
- **May 15th, 2012:** Submission of papers
- **July 5th, 2012:** Notification of acceptance for papers and invited sessions
- **September 1st, 2012:** Final camera ready manuscript and registration payment of at least one of the authors
- **October 12-14, 2012:** Conference

## PAPERS SUBMISSION

Full papers should be submitted via the web upload only: http://www.easychair.org/conferences/?conf=icstcc2012.
Submitted papers will undergo a peer review process, coordinated by the International Program Committee. The corresponding author of each paper will be notified of the result by e-mail. All materials must be written in English. If the paper is accepted, at least one of the authors must attend the conference and present the paper.

All accepted papers will be published in the conference proceedings. For Publication at least one author must register at the conference and submit the paper in due time. The participants must prepare the full version of their paper following IEEE Conference Submission Standards. For details and MS Word and LaTex templates and support, please visit:
http://css.paperplaza.net/conferences/support/support.php.
Maximum six pages A4 in double column format are allowed. Authors may upload longer manuscript up to a maximum of eight pages total. However, each page in excess of six will incur a charge of 50 Euros.

## INVITED SESSIONS

Proposals for INVITED SESSIONS in the scope of the conference are welcome. People interested in organizing an INVITED SESSION should notify their intention to the conference secretariat at the address given below (please see CONTACTS). A proposal for INVITED SESSION should contain the title of the session, a list of five or six papers, together with an extended summary (2000 words) of each paper. Proposals should be sent by May 1th, 2012. Notification of acceptance will be communicated by July 5th, 2012, and the review procedure will be similar to the regular papers.
The final camera ready manuscript and registration payment of at least one of the authors are due by September 1st, 2012.

## CONFERENCE FEES

- Early registration (before September 1st 2012) fee: 200 Euro (150 Euro for IEEE members);
- Late registration fee: 250 Euro (200 Euro for IEEE members);
- Early student registration (before September 1st, 2012) fee: 150 Euro;
- Late student registration fee: 180 Euro.

## PUBLICATION AND COPYRIGHT

Papers submitted for presentation should contain original research, not published or being considered for publication elsewhere. Authors of accepted papers are expected to attend the conference and present the paper. Selected papers will be invited to appear in: *Journal of Control Engineering and Applied Informatics* (**ISI Journal**); *Bulettin of the Polytechnic Institute of Iaşi*; *Annals of the University of Craiova*; *The Annals of "Dunarea de Jos" University of Galati*. As a part of the procedure, authors of accepted papers must send us a signed Copyright Form for each paper. Missing the document may lead to paper unpublishing.

## CONTACTS

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## CONFERENCE LOCATION

Sinaia is one of the most famous and oldest mountain tourist resorts in Romania, known as "The Carpathian Pearl". Situated in breathtaking mountain scenery, Sinaia is located at 120 km distance from Bucharest, on the Prahova Valley. Blending astonishing beauty of nature with picturesque architecture, Sinaia is a formal royal residence and bears a holy name, that of Mount Sinai. The 16th International Conference on System Theory, Control and Computing will be hosted by Palace Hotel (http://www.palace-sinaia.ro/), built in 1911 and located closely to the downtown and within walking distance to Sinaia Monastery and Peleş Castle (one of the best-preserved royal palaces in Europe which served as the summer residence of the first king of Romania, Carol). This stylish hotel is a good choice for pretentious tourists, for conferences and meetings.