



First Call for Papers

14th International Conference on System Theory and Control

Joint Conference

SINTES 14

SACCS 10

SIMSIS 14

October 17 - 19, 2010

Sinaia – Palace Hotel
ROMANIA

Organized by

University of Craiova, Faculty of Automation,
Computers and Electronics,
Automatic Control Research Center

"Gheorghe Asachi" Technical University of Iași,
Faculty of Automatic Control and Computer
Engineering

"Dunărea de Jos" University of Galați, Faculty of
Computer Science

IEEE Control Systems Society

IEEE Romanian Section

IPA CIFATT CRAIOVA, Institute for Research and
Engineering in Automation

SRAIT - Romanian Society for Automation and
Technical Informatics



BACKGROUND

This Joint Conference emerges from three other ones, at their turn viewed some three decades ago as more focused counterparts of a rather general conference in Bucharest at the Polytechnic Institute.

SINTES 2010 is the 14th edition of the International Conference on System Theory and Control, a scientific gathering, organized by the University of Craiova, whose acronym meant National Symposium of Systems Theory. It is obvious that now its area (the theory and applications of nonlinear, in particular optimal control) is much larger while growing up to an international scale. The starting 3-directions structure (Control, Computers and Instrumentation) is still valid, but completed with fields as Robotics or Mechatronics.

SACCS 2010 is the 10th International Symposium on Automatic Control and Computer Science organized by the Automatic Control and Computer Engineering Faculty from the Technical University of Iasi. Up to now, this symposium was held every three years and had the aim to bring together scientists and researchers from academia and industry in order to present some of their latest ideas and results, covering the most dynamic areas in automatic control and computer science.

SIMSIS 2010 is the 14th edition organized by "Dunarea de Jos" University of Galati, whose acronym means International Symposium on Modelling, Simulation and Identification Systems. It is a traditional scientific event, strongly related to the industrial specific of Galati and its neighbourhoods. Initially, SIMSIS was focused on metallurgical and naval topics thereafter the field of interest became larger, including biotechnological process, robotics and intelligent control.

Since most of the important centers in control of Romania share now almost the same interests, time has come for

merging these conferences in a larger one, under the auspices of IEEE Control Systems Society. This conference represents a step ahead on this direction.

TOPICS

The topics include (but not restricted to):

Automation and Robotics

- Linear and Nonlinear Control System Design
- System Identification and Modelling of Processes
- Robust and Adaptive Control
- Robotics and Intelligent Control
- Applications & Case Studies in Automation & Robotics
- Embedded Systems

Computer Science and Engineering

- Distributed Systems and Software Engineering
- Databases, Systems of Programs and Expert Systems
- Web services, Internet Security
- Software Tools and Methods
- Grid 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

INVITED PLENARY SPEAKERS

- P. Borne – FRANCE
- P. van den Bosch – NETHERLANDS
- V.L. Kharitonov – RUSSIA
- A.S. Poznyak – MEXICO
- W. Purgathofer – AUSTRIA

MAIN SPONSORS AND CO-ORGANIZERS

- Ministry of Education and Research of Romania, National Authority for Scientific Research (ANCS)
- University of Craiova, Faculty of Automation, Computers and Electronics, Automatic Control Research Center
- "Gheorghe Asachi" Technical University of Iași, Faculty of Automatic Control and Computer Engineering
- "Dunărea de Jos" University of Galați, Faculty of Computer Science
- IPA CIFATT Craiova – Institute for Research and Engineering in Automation
- IEEE – Control Systems Society
- IEEE – Romanian Section
- SRAIT – Romanian Society for Automation and Technical Informatics
- ASTR – Romanian Academy of Technical Sciences

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IMPORTANT DEADLINES

- **April 1st, 2010:** Submission of proposal for INVITED SESSIONS
- **April 15th, 2010:** Submission of papers
- **June 15th, 2010:** Notification of acceptance for papers and invited sessions
- **July 15th, 2010:** Final camera ready manuscript and registration payment of at least one of the authors
- **October 17-19, 2010:** Conference

PAPERS SUBMISSION

Full papers should be submitted using the online submission system:

<http://www.easychair.org/conferences/?conf=icstc2010>.

The papers will be reviewed by the program committee, and the corresponding author of each paper will be notified of the result by e-mail. All materials must be written in English, and a paper should be submitted only if you intend to present the paper at the conference.

All accepted papers will be published in the conference proceedings, provided that one author has paid the registration fees and that the final paper is produced in due time and following the publication instructions. The participants must submit the full version of their work, following IEEE Conference Submission Standards. For more 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.

SPECIAL SESSIONS

Proposals for INVITED SESSIONS by the scope of the conference are welcome. People interested in organizing a SESSION should notify their intention to Vladimir Răsvan at the address given below (please see [CONTACTS](#)).

The proposals 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. Proposal should be sent by April 1st, 2010. Notification of acceptance will be communicated by June 15th, 2010, and the 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 July 15th, 2010.

CONFERENCE FEES

- Early registrations (before July 15th 2010) fee: 200 Euro;
- Late registrations fee: 250 Euro;
- Early student registration (before July 15th, 2010) fee: 150 Euro;
- Late student registration fee: 180 Euro.

PUBLICATION AND COPYRIGHT

The material submitted for presentation must be original, not published or being considered elsewhere. The presented papers will be further screened for possible publication in: *Journal of Control Engineering and Applied Informatics*; *Annals of the University of Craiova, Series: Automation, Computers, Electronics and Mechatronics*; *Buletinul Institutului Politehnic din Iași, Automatic Control and Computer Science Section*; *The Annals of "Dunarea de Jos", University of Galati, Fascicle III, Electrotechnics, Electronics, Automatic Control, Informatics*.

As a part of the procedure, authors of accepted papers must send us a signed Copyright Form for each paper. Without this form, we cannot publish your article.

CONTACTS

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PLACE OF THE CONFERENCE

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. The city is officially documented first time around year 1200. Its position, on the valley that connects Muntenia with Transylvania, made of Sinaia an important settlement since old times. The 14th International Conference on System Theory and Control will be hosted by Hotel Palace (<http://www.palace-sinaia.ro/>), built in 1911 and located closely to the downtown and within walking distance to the Peleş Castle (one of the best-preserved royal palaces in Europe; it served as the summer residence of the first king of Romania, Carol I) and the Sinaia Monastery. This stylish hotel is the best choice for pretentious tourists, for conferences and meetings.