2019 23rd International Conference on System Theory, Control and Computing (ICSTCC)

October 9 – 11, 2019
Sinaia, ROMANIA

PROGRAM & BOOK OF ABSTRACTS

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Organizers:

- **Politehnica University of Timisoara – Faculty of Automation and Computers, Department of Automation and Applied Informatics and Department of Computers and Information Technology**
- **University of Craiova – Faculty of Automation, Computers and Electronics**
- **"Gheorghe Asachi" Technical University of Iasi – Faculty of Automatic Control and Computer Engineering**
- **"Dunărea de Jos" University of Galati – Faculty of Automatic Control, Computers, Electrical and Electronics Engineering**

Technically co-sponsored by
IEEE – CSS Control Systems Society

BACKGROUND AND SCOPE

ICSTCC 2019 aims at bringing together under a unique forum, scientists from academia and industry to discuss the state of the art and the new trends in system theory, control and computer engineering, and to present recent research results and prospects for development in this rapidly evolving area. This conference edition joins four previous different conferences and symposia:

- **SINTES** (International Conference on System Theory and Control) – organized by the Faculty of Automation, Computers and Electronics from University of Craiova.
- **SACCS** (International Symposium on Automatic Control and Computer Science) – organized by the Faculty of Automatic Control and Computer Engineering from "Gheorghe Asachi" Technical University of Iasi;
- **SIMSIS** (International Symposium on Modelling, Simulation and Identification Systems) – organized by the Faculty of Control Systems, Computers, Electrical and Electronics Engineering from "Dunarea de Jos" University of Galati;
- **CONTI** (International Conference on Technical Informatics) – organized by the Faculty of Automation and Computers, the Department of Automation and Applied Informatics and the Department of Computers and Information Technology from Politehnica University of Timisoara.

The outcome of ICSTCC 2019 can be a better understanding of some leading research areas, as already System Theory, Control and Computing have demonstrated. The following main topics are addressed:

Automation and Robotics

- Linear and Nonlinear Control System Design
- System Identification and Process Modeling
- Robust and Adaptive Control
- Robotics and Intelligent Control
- Applications and Case Studies in Automation and 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 Architectures

Electronics and Instrumentation

- Modeling, Simulation and CAD Tools
- Signal Processing and Communication Systems
- Linear and Nonlinear Circuits and Systems
- Evolutionary Electronics

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