

ICAT 2011

XXIII International Symposium on Information, Communication and Automation Technologies, October 27-29, 2011, Sarajevo, Bosnia & Herzegovina



ETF Sarajevo



BIH Section



University of Louisville

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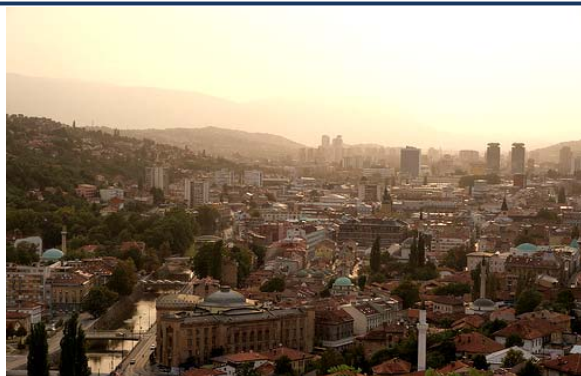
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Call for Papers

The 23rd International Symposium on Information, Communication and Automation Technologies will be held in Sarajevo, October 27-29, 2011. The conference is jointly organized by Faculty of Electrical Engineering Sarajevo and IEEE Bosnia and Herzegovina Section, and is technically co-sponsored by IEEE Control Systems Society, IEEE Systems, Man and Cybernetics Society and University of Louisville. It aims to create a forum for scientists and practicing engineers throughout the world to present the latest research findings and ideas in the areas of computer science, information technologies, control systems, communication technologies and power engineering.

The Organizing Committee is proud to announce the participation of prominent plenary/keynote speakers to address topics of importance to the ICAT conference. The speakers are: **Prof. Kevin Warwick** (University of Reading, UK), **Prof. Ljubo Vlacic** (Griffith University, AUS), **Dr. Haris Vikalo** (Texas at Austin, USA) and **Prof. Maarten Steinbuch** (Eindhoven University of Technology, Netherlands).

Topics include (but are not limited to):

Computer Science and Information Technologies

Computer Systems Architecture, Parallel and Distributed Computing, Software Engineering, Data Mining and Database Theory, Artificial and Swarm Intelligence, Soft-computing Methodologies and Evolutionary Computation, Complex Systems: Modeling and Simulation, Visualization and Computer Graphics, Virtual and Augmented Reality, Image and Video Processing, Web and Grid-Based Simulation and Computing, Machine Learning and Knowledge Based Systems, Multimedia Information Systems, Decision Support Systems, Pervasive/Ubiquitous, Power-Aware and Reconfigurable Computing, Modeling and Simulation Languages, Web Security and Privacy,...

Control Systems and Power Engineering

Linear, Nonlinear and Hybrid Control, Predictive, Robust and Adaptive Control, Intelligent Control Systems (Fuzzy, Neural and Genetic), Sensors, Actuators and Mechatronic Systems, Robotics, Mobile Robots and Telerobotics, Motion Control Systems, Networked Controlled Systems, Real-time and Process Control, Computer and Microprocessor-Based Control, Fault Diagnostics and Fault Tolerant Systems, Power Electronics and Energy Conversion, Automation of Electric Distribution Systems, Electrical Machines and Drives, Drive Control and Applications, Hybrid Electric Vehicles,...

Communication Technologies

Mobile Computing and Networking, Network Protocols and Topologies, Network Architectures and Network-Based Applications, Wireless Communications, Network Security Architectures and Security Anchor/ Enhancement Devices, Network Measurement Techniques, Architectures and Devices, Antennas and Propagation, Mesh, Sensor and PAN Networks, Wireless Operating Systems and Mobile Platforms, RF/Optical Communications, Multimedia Communications and Broadband Services, Quality of Service, Reliability and Performance Modeling, Routing in Multihop, Ad hoc and Sensor Networks, Wireless Multicasting and 3G/4G Network Evolution, Digital, Multirate and Multidimensional Signal Processing,...

Accepted papers will be published in IEEE CD proceedings and will be included in IEEExplore and indexed by INSPEC, EI Compendex and ISTP.

Deadlines:

Regular Papers/Invited Sessions/Tutorials: June 1, July 1, 2011 (Extended)

Notification of acceptance: September 1, 2011

Final submission and registration deadline: October 1, 2011

<http://icat.etf.unsa.ba>