

CALL FOR PAPERS

2015 IEEE International Workshop of Electronics, Control, Measurement, Signals and their application to Mechatronics (12th IEEE ECMSM-2015, ID: #34303)

June 22.-24., 2015
Technical University of Liberec
Liberec, Czech Republic

Organized by:
Technical University of Liberec, Faculty of Mechatronics,
Informatics and Interdisciplinary Studies
IEEE, Computer Society, TC on VLSI
In collaboration with **University of Toulouse**

Computer Engineering, Electronics, Information Sciences and Mechanical Engineering are the essential disciplines in Mechatronics and Robotics leading to powerful, compact and ever smarter systems. Their evolution relies on progress in all these complementary scientific and technological fields.

This workshop provides an international forum for the exchange of ideas, discussions on research results and the presentation of theoretical and practical applications in these domains. This conference is the expression of the shared ambition on the part of the Technical University of Liberec (Czech Republic) and the Toulouse University (France) and to publically present their common scientific research.

The ECMSM workshop is traditionally focused on young academics, researchers and developers from various mechatronics branches.

MAIN TOPICS (but not limited to):

INTEGRATED CIRCUITS

Dependability of electronic equipment; Analog / Hybrid design; New technologies; Networking and operating systems; Power electronic integration; Equipment compatibility; EMC.

COMPUTER AND CONTROL SYSTEMS

Electrical Drives, Control; Optimal control; Embedded systems; Decisional and functional autonomy.

INFORMATION AND SIGNAL PROCESSING

Machine learning; Signal processing; Signal Acquisition; Fault detection and diagnosis in mechatronic systems.

MECHATRONIC AND ROBOTIC SYSTEMS

Robotics and autonomous systems: theory and applications; Smart devices, Intelligent materials, Actuation; Sensors and measurement.

SUBMISSION OF PAPERS

The working language of the conference is **English**. Prospective authors are invited to submit full paper (max. 6 pages) including authors' names, affiliations, mailing address and e-mail via conference web site.

PAPER ACCEPTANCE

Each accepted paper has to be presented by one of the authors at the conference and must be accompanied with a registration fee. Only accepted and presented papers will be published in IEEE Xplore and IEEE CS-DL.

IMPORTANT DATES

EXTENDED submission deadline:
February 22, 2015
Acceptance notification:
March 30, 2015
Opening of registration:
March 30, 2015
Final version paper deadline:
May. 17, 2015
Increase in registration fees:
May 11, 2015

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Conference web site, Detailed Information, Paper Submission: <http://ecmsm2015.tul.cz>