ECYPS'2013
EUROMICRO/IEEE Workshop
on
Embedded and Cyber-Physical Systems

Montenegro • Budva • Hotel Slovenska Plaža • June 19, 2013

http://embeddedcomputing.me

ECYPS'2013 - the EUROMICRO/IEEE Workshop on Embedded and Cyber-Physical Systems will be held in the scope of **MECO'2013 - the 2nd Mediterranean Conference on Embedded Computing** and **SS_on_ECYPS'2013 - the 2013 Summer School on Embedded and Cyber-Physical Systems**, June 16-20, http://embeddedcomputing.me.

Embedded systems, being inseparable parts of certain larger (embedding) systems, constitute information-processing parts of cyber-physical systems composed of information-processing and physical sub-systems. The research in cyber-physical systems focusses on the heterogeneity in system design and holistic system quality assurance, addressing such aspects as multi-objective multi-domain system optimization, as well as, intimate coupling, co-modeling, co-design, co-simulation and co-validation of the information-processing and physical sub-systems.

ECYPS'2013 is devoted to embedded and cyber-physical systems for modern highly-demanding applications that require complex computations to be performed with a very high speed, while at the same time demanding low energy consumption and low cost, and/or imposing high safety, security or reliability demands. It addresses the technology, design methodology and EDA tools for such systems. Its target participants are academic researchers and teachers, industrial researchers, developers and decision-makers, and Ph.D. students, especially those participating in European research projects. ECYPS'2013 Workshop gives an excellent opportunity to disseminate the fresh research results from related European projects, as well as, other international or national projects. **The topics of main interest include the following:**

- *advanced applications and case studies of systems in consumer appliances, healthcare, environmental and safety monitoring, industrial and leaving-space automation, aerospace, aviation, transportation, automotive, energy generation and management, communications, tele-operation and robotics, etc.*
- *application analysis, characterization and parallelization for the purpose of high-performance and low-energy computing*
- *multi-domain modeling, analysis, synthesis, simulation and validation of heterogeneous systems*

- *multi-objective and multi-domain optimization and co-design of heterogeneous systems*
- *sensor-network based distributed and networked intelligent information acquisition, supervision and control*
- *sub-system arrangement and communication in complex heterogeneous (3D) systems*
- *safety, security and reliability of complex heterogeneous systems built of digital and analog electronic, electrical and mechanical sub-systems or exploiting MPSoC and nano-dimension technologies*

Budva: Budva is a popular summer beach resort and touristic destination of Montenegro. It is 3500 years old. The resort's main attractions are the charm of its Old Town, its beautiful natural environment, 35 beautiful clean sandy beaches, and proximity to many famous touristic attractions as Kotor, Boka Kotorska, Sveti Stefan or Dubrovnik. It is also a place of various theatre and music events and divers night-live.

Submission of papers: Prospective authors are invited to submit full-length, four-page papers via MECO-2013/ECYPS'2013 website http://embeddedcomputing.me, strictly according to the IEEE Conference Standards. Refer to the MECO-2013/ECYPS'2013 website for additional information.

Important Deadlines:
Author's Registration and Paper Submission Deadline: April 15, 2013
Information on paper acceptance/rejection: April 29, 2013
Final paper submission and fee payment by paper authors: May 20, 2013
Early registration payment term: May 31, 2013
Fees payment deadline: June 07, 2013

Useful Links
University of Montenegro: http://www.ucg.ac.me/eng/
MANT association: http://mant.me/
Hotel Slovenska Plaža****: http://www.booking.com/hotel/me/slovenska-plaza.en.html
Budva: http://en.wikipedia.org/wiki/Budva
Montenegro: http://en.wikipedia.org/wiki/Montenegro

Workshop Chairs
Lech Jóźwiak, Eindhoven University of Technology, Netherlands
Radovan Stojanović, University of Montenego, Montenegro

Scientific Committee | Editorial
Koen Bertels, Delft University of Technology, Netherlands
Victor Goulart, Kyushu University, Japan
Miguel Figueroa, Univesity of Concepcion, Chile
Erwin Grosspietsch, Euromicro, Germany
Ilker Hamzaoglu, Sabanci University, Turkey
Lech Jóźwiak, Eindhoven University of Technology, Netherlands
Paris Kitsos, Open Hellenic University, Patras, Greece
Francesco Leporati, University of Pavia, Italy
Menno Lindwer, Intel, Netherlands
Jan Madsen, Technical University of Denmark, Denmark
Veljko Milutinovic, University of Belgrade, Serbia
Nadia Nedjah, State University of Rio de Janeiro, Brazil
Smail Niar, University of Valenciennes, France
Horácio .C Neto, Technical University of Lisbon, Portugal
Alex Orailoglu, University of California at San Diego, USA
Adam Pawlak, Silesian University of Technology, Poland
Adam Postula, University of Queensland, Australia
Peter Puschner, Vienna Univ. of Technology, Austria
Davide Quaglia, University of Verona, Italy
Christian El Salloum, Vienna Univ. of Technology, Austria
Radovan Stojanović, University of Montenegro, Montenegro
Ioannis Sourdis, Chalmers Univ. of Technology, Sweden
Alice M. Tokarnia, State University of Campinas, Brazil
Heinrich T. Vierhaus, Brandenburg Univ. of Technology, Germany
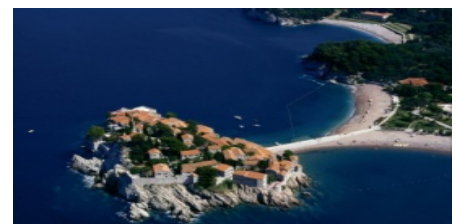Eugenio Villar, University of Cantabria, Spain
Arda Yurdakul, Bogazici University, Turkey

Organizing Commitee
Budimir Lutovac, University of Montenegro
Dmitry Tarasov, MANT, Montenegro
Sasa Knezevic, MANT Montenegro

Supporters and Sponsors:

Ministry of Science of Montenegro