ECYPS'2018
6th EUROMICRO/IEEE Workshop on Embedded and Cyber-Physical Systems
Budva • Montenegro • June 10-14, 2018
Hotel Budva****
http://embeddedcomputing.me

ECYPS'2018 - the **6th** *EUROMICRO/IEEE Workshop on Embedded and Cyber-Physical Systems* will be held in the scope of **MECO'2018** - **the 7th** *Mediterranean Conference on Embedded Computing*, in Budva Montenegro, June 10-14, 2018. Cyber-physical systems (CPS) are smart compound systems engineered through seamless integration of embedded information processing sub-systems and physical sub-systems. The vision of smart systems connected and collaborating through various interfaces and communication media to form the global Internet of Things (IoT) is not a science-fiction anymore, but is quickly becoming an actual reality. The smart collaborating CPS with important applications in virtually all economic and social segments will have enormous economic and societal impact. ECYPS'2018 mainly focuses on CPS for modern (mobile) applications that require high-performance or low energy consumption, as well as, high safety, security and reliability. It addresses the applications, specification, validation, architectures, technology, hardware, software, 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. It gives an excellent opportunity to disseminate fresh research results from European, international and other R&D projects. The topics of interest include, but are not limited to, the following:

- *advanced applications and case studies of systems in consumer appliances, healthcare, personal assistance, environmental and safety monitoring, industrial and leaving-space automation, transportation, automotive, aerospace, aviation, energy generation, communications, tele-operation, control, robotics, infrastructure, etc.*
- *mobile, autonomous, wearable and implantable systems*
- *development platforms and tools for CPS*
- *deep-learning and AI for CPS*
- *application/software modeling, analysis, parallelization and mapping for high-performance and low-energy computing*
- *multi-domain modeling, analysis, synthesis, simulation, integration and validation of heterogeneous systems*
- *multi-objective and multi-domain optimization and co-design of heterogeneous systems*
- *advanced processors, MPSoCs, SiPs, sensors, actuators and MEMS for CPS*
- *sensor-based (distributed, networked) monitoring and control*
- *sub-system arrangement and communication in complex heterogeneous systems*
- *safety, security and reliability of complex heterogeneous systems*
- *IoT, and cloud, fog, dew and edge computing*

Budva: Budva is a 3500 years old town located at the Adriatic Sea coast of Montenegro. It is a popular touristic destination. Budva's main attractions are the charm of its Old Town, its beautiful natural environment, 35 clean sandy beaches, and proximity to many famous touristic attractions as Kotor, Boka Kotorska, Sveti Stefan, Dubrovnik, and several national parks. It is also a place of various cultural events, clubs and many restaurants with excellent mediterranean kitchen.

Submission of papers: Prospective authors are invited to submit full-length, four-page papers, strictly according to the IEEE Conference Standards and via http://embeddedcomputing.me.

Conference quality: Conference content will be submitted for inclusion into IEEE Xplore as well as other Abstracting and Indexing (A&I) databases. In particular, ECYPS is covered by SCOPUS, Web of Science, Google Scholar, Research Gate, etc. Extended versions of selected papers from ECYPS will be published in the Elsevier/Euromicro journal of *Microprocessors and Microsystems* (MICPRO) having the 2016 Impact Factor as high as 1.025.

Accompanying events: ECYPS'2018 will be held in the scope of MECO'2018 (the 7th Mediterranean Conference on Embedded Computing) which will host several special sessions, workshops and dissemination of international projects.

Important Deadlines:
January 28, 2018, Paper submission deadline
February 25, 2018, Acceptance/rejection notification
March 10, 2018, Final paper submission and author registration deadline
May 05, 2018, Registration deadline

Fees: MECO and ECYPS are high-quality, but low-budget events, encouraging participation of young scientists and our colleagues from developing countries.

Useful Links:
University of Montenegro: http://www.ucg.ac.me/eng/
MANT association: http://mant.me/
Hotel Budva ****: http://www.hotelbudva.me/
City of Budva: https://www.visit-montenegro.com/main-cities/budva/
Montenegro: https://en.wikipedia.org/wiki/Montenegro

Conference Chairmen:
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Radovan Stojanović, University of Montenego, Montenegro

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