



IWCPs'13

Call for Papers

International Workshop on Cyber-Physical Systems

Within the framework of

Software Systems Development & Applications (SSD&A)

Affiliated with

**FEDERATED CONFERENCE ON COMPUTER SCIENCE
AND INFORMATION SYSTEMS**

Krakow, Poland, 8-11 September, 2013

<http://2013.fedcsis.org/iwcp>

Proliferation of computers in everyday life requires careful investigation of approaches related to the specification, design, implementation, testing, and use of modern computer systems interfacing with real world and controlling their environment. Cyber-Physical Systems (CPS) are physical and engineering systems closely integrated with their networked environment. Modern airplanes, automobiles, or medical devices are practically networks of computers. Sensors, robots, and intelligent devices are abundant. Our life depends on them. Cyber-physical systems transform how we interact with the physical world just like the Internet transformed how we interact with one another.

The event is a continuation and extension of 2006-2010 Real-Time Software FedCSIS workshops. The objective of the workshop is to assemble and develop a community with main interest in cyber-physical systems.

Due to an extensive scope of the topics, the workshop will accept papers in the following areas:

- **Control Systems**
 - embedded/networked/intelligent
 - wireless sensing/actuation
 - adaptive/predictive
- **Scalability/Complexity**
 - modularity
 - design methodology
 - legacy systems
 - tools
- **Interoperability**
 - concurrency
 - models of computation
 - networking
 - heterogeneity
- **Validation and Verification**
 - assurance
 - certification
 - simulation
- **Cyber-security**
 - intrusion detection
 - resilience
 - privacy
 - attack vectors
- **Applications of CPS**
 - robotics
 - transportation
 - military
 - medical
 - consumer
 - manufacturing
 - power systems
- **CPS Education**
 - curriculum development
 - web-based laboratories
 - academic courses
 - pedagogy issues

Important Dates:

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|---|-------------------------|
| • Draft Papers Submission | May 12, 2013 |
| • Author Notification | June 17, 2013 |
| • Final submission and registration opening | July 8, 2013 |
| • FEDSIS Conference date | September 8-11, 2013 |
| • IWCPs Workshop | TBD (Sep. 9, 10, or 11) |

Paper Submission and Publication:

- ◆ Authors should submit draft papers (as Postscript, PDF or MSWord file)
- ◆ The total length of a paper should not exceed 8 pages (IEEE style). IEEE style templates are available here.
- ◆ Papers will be refereed and accepted on the basis of their scientific merit and relevance to the conference.
- ◆ Only papers presented at the conference will be included in the IEEE Xplore® database and submitted for indexation in: DBLP Computer Science Bibliography, Google Scholar, Inspec, Scirus, SciVerse Scopus and Thomson Reuters - Conference Proceedings Citation Index
- ◆ Extended versions of selected papers presented during the conference may be published as Special Issue(s) of journal(s) to be announced later.
- ◆ Organizers reserve right to move accepted papers between FedCSIS events.

IWCPS Krakow 2013 - Steering Committee:

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IWCPS Krakow 2013 - Program Committee:

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