

Call for Papers
RTS'08
International Workshop on Real-Time Software
Wisła, Poland, October 20, 2008
<http://www.rts.imcsit.org/>

Within the framework of the IMCSIT'08: 3rd International Multiconference on
Computer Science and Information Systems, October 20-22, 2008
In cooperation with the IEEE Computer Society – Poland Chapter

Proliferation of computers interfacing with real world and controlling their environment requires careful investigation of approaches related to the specification, design, implementation, testing, and use of modern computer systems. Timing constraints, dependability, fault-tolerance, interfacing with the environment, reliability and safety are integral components of the software development process. Education of engineers developing such systems, working in interdisciplinary teams and in a global environment is also of paramount importance.

In addition to regular research papers, a *round table discussion* on the education of safety critical aspects in real-time systems is planned. We are soliciting full 8-page research papers as well as shorter 2-4 page position papers on education and training of engineers developing dependable, software intensive, systems - presenting the views of academia and industry. In the submission, please clearly identify the "full paper" or "position paper" for the round table.

The workshop is planned around three main focus areas:

* Real-Time Control * Safety Reliability, and Dependability * Real-Time Education

Topics include but are not limited to:

- real-time system development
- embedded systems
- feedback control systems
- safety
- reliability
- dependability
- fault-tolerance
- hardware-software co-design
- standards and certification
- control software
- robotics and UAV
- software development tools
- model-based development
- automatic code generation
- real-time systems curricula
- related engineering curricula
- laboratory infrastructure
- Internet-based support

Important Dates:

- Draft Papers Submission: **June 15, 2008** (via dedicated website <http://www.imcsit.org/>)
- Notification of Acceptance: July 14, 2008
- Camera-Ready Papers: September 1, 2008
- Workshop: **October 20, 2008**
- Full Conference: October 20-22, 2008

Submission:

- ♦ Draft papers submitted via IMCSIT website (Postscript, PDF, or MS Word)
- ♦ Length of a paper: regular - not to exceed 8 pages; round table - not to exceed 4 pages (both draft papers in IEEE format – see link from <http://www.imcsit.org/>)
- ♦ Papers will be refereed and accepted on the basis of their scientific merit and relevance to the workshop focus areas
- ♦ Accepted and presented papers will be included in the Conference Proceedings published on a CD (ISSN 1896-7094) and in the IEEE Computer Society Digital Library (IEEE Xplore® database)
- ♦ Extended versions of selected papers will be published in a technical journal or LNCS (to be announced; we are currently negotiating with Springer-Verlag)

RTS'08 Steering Committee

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