

# WISES 07

## Fifth Workshop on Intelligent Solutions in Embedded Systems – Call for Papers –

Universidad Carlos III de Madrid, Spain, June 21-22, 2007

### Fifth Workshop on Intelligent Solutions in Embedded Systems

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Intelligent solutions in embedded systems have an increasing penetration in many segments of the IT market. Typically, these systems vary from deeply integrated systems with specific support tasks (e.g. multi-media stream processing) up to stand-alone embedded systems (e.g., wireless sensor networks). Embedded systems require new and innovative solutions in order to meet the strong requirements with respect to cost, size, power consumption, real-time compliance, and security at the same time. Specifically, the role of the embedded software becomes crucial to provide flexible and dynamically reconfigurable systems. Efficient porting of embedded software to different hardware platforms remains a key issue to reuse code and to provide new devices on time.

WISES 2007 is a platform to present innovative approaches that provide intelligent solutions in embedded systems. The objective of this workshop is to present mature approaches and to provide a forum to exchange and discuss ideas, and, thus, to share experiences among researchers, professionals, and application developers both from industry and academia. Original papers addressing both theoretical and practical aspects of embedded systems are solicited. Papers describing prototype implementations and deployment of embedded systems are particularly welcome.

Topics of interest include, but are not limited to:

- Smart embedded (real-time) systems
- Autonomous embedded systems
- Sensor networks and sensor node hardware/software platforms
- Software for embedded systems
- Topology control and time synchronization
- Fault tolerance, security and robustness
- Network protocols and middleware for embedded systems
- Standardisation of embedded software components
- Data gathering, aggregation and dissemination
- Prototypes, applications, field studies, and testbeds

#### Submission instructions

The working language of the conference is English. Prospective authors are invited to submit new original research papers of a maximum length of 5000 words. Submissions will only be accepted electronically via WISES homepage in PDF format ([www.enti.it.uc3m.es/wises07](http://www.enti.it.uc3m.es/wises07)).

Accepted papers will be published in printed proceedings. The papers will be made accessible via world-wide web and via IEEE Digital Library. A selection of the papers will be included in the post-proceedings volume, published by Springer in the LNCS series (pending approval). Each paper must be presented by one of the authors at the workshop.

The workshop is supported by the IEEE Spain Section, the IEEE Austria Section and the German Chapter of the IEEE Society for Computational Intelligence.

#### Important deadlines and dates

Manuscript Submission Final Deadline:	March 11, 2007
Notification of Acceptance:	April 23, 2007
Camera-Ready Paper Submission:	May 7, 2007
Workshop:	June 21-22, 2007

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