

## Preliminary Call for Papers

# WISES 2006

## Fourth Workshop on Intelligent Solutions in Embedded Systems

Vienna University of Technology, Austria, June 30th, 2006

WISES 2006 introduces an excellent forum for research on intelligent methods in embedded systems engineering. Embedded systems require innovative and intelligent solutions in order to satisfy the challenging demands such as increasing functionality, real-time operation and constraints concerning cost, size and power consumption of new emerging application areas such as pervasive computing environments and sensor networks.

The objective of this workshop is to create a forum to exchange ideas, discuss solutions, and 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 systems
- Wireless sensor networks
- Topology control and time synchronization
- Data gathering, aggregation and dissemination
- Fault tolerance, security, and robustness
- Real-time computing
- Network protocols and middleware for sensor networks
- Distributed algorithms for sensor networks
- Algorithms for self-configuration, maintenance, stabilization
- Vertical integration of embedded systems
- Novel sensor node hardware and software platforms
- Prototypes, applications, field studies, and testbeds

### Important Deadlines and Dates

Manuscript Submission:	March 1st, 2006
Notification of Acceptance:	April 1st, 2006
Pre-Registration:	May 1st, 2006
Camera-Ready Paper Submission:	May 1st, 2006
Workshop:	June 30th, 2006

### Submission Instructions

Manuscripts should be full papers not exceeding a length of 5000 words. Submissions will only be accepted electronically. Accepted papers will be published in printed proceedings and made accessible via world-wide web and via IEEE Digital Library. Each paper must be presented by one of the authors at the workshop.

### Workshop General Chair

Wilfried Elmenreich  
Vienna University of Technology  
Institut für Technische Informatik  
Vienna, Austria

### Technical Program Chair

Gregor Novak  
Vienna University of Technology  
Institut für Computertechnik  
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<http://clara.tuwien.ac.at/wises06/>