

WISES 09

Seventh Workshop on Intelligent Solutions in Embedded Systems

Call for Papers

Università Politecnica delle Marche, Ancona, Italy, June 25-26, 2009

General Chair

Massimo Conti

Università Politecnica delle Marche, Ancona, I

E-mail: m.conti@univpm.it

Program Chair

Simone Orcioni

Università Politecnica delle Marche, Ancona, I

E-mail: s.orcioni@univpm.it

Program Co-Chair

Miltos Grammatikakis

Technological Education Institute of Crete, GR

Steering Committee

W. Elmenreich, Klagenfurt University, A

B. Rinner, Klagenfurt University, A

R. Seepold, Universidad Carlos III de Madrid, E

V. Turau, Hamburg Univ. of Technology, D

Technical Program Committee

A. Ademaj, Vienna University of Technology, A

E. Alarcon, Univ. Polit. Catalonia, Barcelona, E

B. Andersson, Instituto Politécnico do Porto, P

P. Arena, Univ. of Catania, I

E. Armengaud, Das virtuelle Fahrzeug, Graz, A

J. Becker, University of Karlsruhe, D

M. Coppola, STM, Grenoble, F

W. Elmenreich, Klagenfurt University, A

L. Fanucci, Univ. of Pisa, I

G. Fohler, University of Kaiserslautern, D

M. Ismail, Ohio State University, Columbus, USA

J. Kaiser, Universität Magdeburg, D

R. Kirner, Vienna University of Technology, A

A. König, University of Kaiserslautern, D

R. Kröger, Univ. Applied Sciences Wiesbaden, D

M. Kucera, Univ. of Applied Sciences, Regensburg, D

M. Lajolo, NEC Labs America, USA

A. Ledecz, Vanderbilt University, USA

N. Martínez Madrid, Universidad Carlos III de Madrid, E

J. Motok, Univ. of Applied Sciences Regensburg, D

R. Obermaier, Vienna Univ. of Technology, A

P. Palensky, Univ. of Pretoria, South Africa

G. Palumbo, Univ. of Catania, I

M. Platzner, University of Paderborn, D

P. Puschner, Vienna University of Technology, A

M. Radetzki, Univ. of Stuttgart, D

B. Rinner, Klagenfurt University, A

R. Roth, University of Applied Sciences Regensburg, D

I. J. Rudas, Budapest Polytechnic, H

A. Rusu, KTH, Stockholm, S

D. Schröder, Hamburg Univ. of Technology, D

R. Seepold, Universidad Carlos III de Madrid, E

H. Tenhunen, KTH, Stockholm, S

J.A. Tenreiro Machado, Institute of Eng. of Porto, P

V. Turau, Hamburg Univ. of Technology, D

M. Venzke, Hamburg Univ. of Technology, D

M. Vetter, University of Applied Sciences Regensburg, D

E. Vidal, Univ. Polit. Catalonia, Barcelona, E

E. Villar, Univ. de Cantabria, Santander, E

W. Wolf, Georgia Tech, USA

F. Wotava, Graz University of Technology, A

Embedded systems have an increasing importance in our everyday lives. The growing complexity of embedded systems and the emerging trend to interconnections between them lead to new challenges. Intelligent solutions are necessary to overcome these challenges and to provide reliable and secure systems to the customer under a strict time and financial budget.

WISES 2009 is a platform for presentation of innovative approaches that provide intelligent solutions in embedded systems. The objective of this workshop is to present mature approaches and to provide a forum for the exchange and discussion of ideas, and thus, the sharing of experiences among researchers, practitioners, 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 deployments of embedded systems are particularly welcome. In order to provide young researchers a forum to exchange their ideas WISES 2009 will include a special session for PhD-Students.

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
- Networking in embedded Systems
- Software for embedded systems
- Topology control and time synchronization
- Power aware embedded systems
- Fault tolerance, security and robustness
- Standardization of embedded software components
- Data gathering, aggregation and dissemination
- Prototypes, applications, field studies and testbeds
- Embedded Systems for Ambient Assisted Living

Special Sessions:

- Embedded Systems for Automotive
- PhD Students Session

The workshop is open to other special sections to be proposed to the General Chairman and Steering Committee.

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. All submitted papers are peer-reviewed. Accepted papers will be published in printed proceedings. The papers will be made accessible via world-wide web and via IEEE Digital Library (IEEE conference #15586). Selected paper will be published in a book edited by Springer (pending approval).

Each paper must be presented by one of the authors at the workshop.

Important deadlines and dates

Proposal for special sessions Deadline: February 16, 2009

Manuscript Submission Final Deadline: March 16 extended to 26, 2009

Notification of Acceptance: April 28, 2009

Camera-Ready Paper Submission: May 11, 2009

Workshop: June 25-26, 2009

for information contact wises09@univpm.it

<http://www.wises09.univpm.it/>

Technical Sponsors:



German Chapter of IEEE
Computational Intelligence Society

Spanish Section of IEEE
Computer Society

IEEE
Italy Section