

# 3<sup>rd</sup> International Workshop on Dependable Embedded Systems

<http://www.vmars.tuwien.ac.at/wdes2006/>

October 1st, 2006, Leeds, UK

in conjunction with

25<sup>th</sup> Symposium on Reliable Distributed Systems (SRDS 2006)

<http://www.comp.leeds.ac.uk/srds2006/>

The third edition of the International Workshop on Dependable Embedded Systems (WDES 2006) will be held on October 1st, 2006 at the University of Leeds, UK.

In this workshop we wish to bring together researchers and practitioners to share research results, practical experiences and advances in (or impediments to) the application of embedded systems for dependable systems. We encourage participation by professionals with diverse backgrounds who can contribute to advancing the technology and reflecting the latest trends and who can foster discussing the implications. The aim of the workshop is to provide a forum with interesting discussions and debates. There will be also a panel discussion. Authors will prepare the final version of their paper after the event to reflect the discussions at the workshop.

## **SCOPE AND TOPICS:**

Today, nearly every processor is deployed as integral part of a daily life artifact. Embedded computing systems already became a driving force of engineering innovation in mission-critical applications. More and more, networks of such embedded components perform critical control functions in vehicular (cars, planes, trains, etc.), industrial automation, process control, health or telecommunication systems, just to mention a few application fields.

We solicit position papers, research contributions and experience reports addressing issues related to the design, analysis, validation, certification or implementation (or a mix of these) of dependable distributed embedded systems in the above mentioned application fields. Topics of particular interest include (but are not limited to):

- Self-configuring distributed embedded systems
- QoS assurance in networks of autonomous components
- Architectural support for predictability (hardware, software)
- Security of safety-critical nodes with connectivity to open networks
- Adaptable architectures for achieving dependability
- Verification and testing of embedded systems
- Low-power embedded systems
- Dependable embedded applications
- Case studies of dependable embedded systems

### ***Paper Submission Details:***

Authors are invited to submit extended abstracts, position papers, or research contributions from 2 to 5 pages in length. The authors are requested to send their contributions to [wdes2006@vmars.tuwien.ac.at](mailto:wdes2006@vmars.tuwien.ac.at) no later than July 30th, 2006, as PDF or PS file. All submissions will be reviewed by the Program Committee.

It is required that at least one author of an accepted contribution will attend the workshop in order to present the work. A compilation of contributions will be distributed as preprint at the SRDS conference. The final compilation of contributions will be distributed after the event.

### ***Deadlines:***

Submission: July 30th, 2006  
Notification: September 8th, 2006  
Preprint version: September 17th, 2006  
Final version: November 1st, 2006

### ***Co-Chairs:***

Raimund Kirner (Vienna University of Technology, Austria)

Eduardo Tovar (The Polytechnic Institute of Porto, Portugal)

### ***Program Committee:***

- Iain Bate (University of York, UK)
- Leandro Buss Becker (UFSC, Brazil)
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