



28. February - 1. March 2012, Nuremberg, Germany

## Call for Papers – embedded world Conference 2012

The **embedded world Conference 2012** will be celebrating ten years of the conference in parallel with **embedded world Exhibition 2012**. This annual combined event has been growing rapidly to become the focal meeting point for the embedded systems community and is a must-attend event for all embedded systems engineers.

Without a doubt, the 'embedded world' community meeting next year is going to be a very special celebration, our celebration. We want to showcase the 'best of embedded', how the success of industries is built on our innovative ideas, why we are at the forefront of engineers who live up to the economic and technical challenges of the future.

You are an important part of our conference!

This is the call for papers for **embedded world Conference 2012**, where the most innovative minds share their knowledge with other engineers; convey their experiences, and present technical solutions to their industry peers.

We invite you to become part of the embedded community, which draws immense potential from countless years of experience.

Contribute your technical paper from the fields of system development, hardware, software and tools. Become one of recognised speakers at the tenth anniversary **embedded world conference 2012**.

You will have the chance to present to an audience of highly motivated colleagues. Use this opportunity to promote your ideas, solutions and experience to the international embedded community.

There is no better place in Europe, perhaps even the World, so utilize the opportunities that **embedded world conference 2012** now presents.

Here are some example topics for your submission:

**Systems:**

- Model Based Design of Embedded Systems
- Unified Modelling Language
- Embedded System Architectures
- Reconfigurable Systems
- Cryptography/Security
- Low Power and Energy Harvesting Systems
- Functional Safety Systems

**Hardware:**

- Microprocessor Architectures and Cores
- Multicore Processors
- System-on-Chip
- Analogue and Power Devices
- Memory in Embedded Systems

**Software:**

- Real-time Operating Systems
- Embedded Linux, Android and Other Platforms
- Virtualization in Embedded Systems
- Software Development Methods
- Multicore Processing
- Software Development in High Level Languages (C, C++, Java, ...)
- Software Quality
- Digital Signal Processing
- Open Source Projects

**Tools:**

- Development Tools
- Debugging Methods
- Test and Verification
- FPGA and ASIC Design
- System Level Design

**Communication:**

- Network Technologies
- Embedded Internet Technologies, Web Services and Cloud Computing
- Wireless Technologies
- M2M-Communication

**Management:**

- Management of Embedded System Projects
- Research Projects
- Teaching
- Product Life Cycle Management for Embedded Systems
- Embedded Device Life Cycle Management

**Application:**

- Traffic and Automotive Applications
- Consumer Applications
- Visualisation, Human Interface
- Smart Grid and Smart Metering
- Embedded Systems in Automation
- Embedded Systems in Healthcare

**EDA Applications:**

- Design Space Exploration and Optimization
- Hardware-/Software Co-Design
- Low-Power System Design
- PCB Design
- Rapid and Virtual Prototyping
- Signal / RF Analysis
- System Validation and Verification

With our tenth anniversary next year, and in addition to the important core topics that provide the widest learning experience, we are looking for submissions that are forward-looking and visionary. Over the next decade, how will the embedded world be different? What are the breakthroughs in technology that are yet to occur?

We do encourage all relevant submissions in response to this call for papers, so please do not feel restricted to the example topics provided.

Please submit your paper using the online submission at:

[www.embedded-world.eu](http://www.embedded-world.eu)

**embedded world Conference 2012 - Steering Board:**



Prof. Dr. Matthias Sturm  
HTWK Leipzig (Chairman)



Prof. Dr. Helmut Beikirch  
University Rostock



Frank Hoschar, Hoschar  
Management UG



Prof. Dr. Axel Sikora  
DHBW Loerrach

All papers must be written and presented in **English**  
The abstract text should have **max.** 1,000 characters  
Data files can be uploaded (.doc, .pdf, .txt)

The program committee will decide on the acceptance of a paper on the basis of the abstract. It is important to clearly emphasize the principal technical, economical and practical aspects of the intended paper. In particular, you should indicate those aspects of the work that are innovative and unique.

All presenters have free admission to the conference and embedded world exhibition.

**Important deadlines:**

- Submission of abstracts: 16 September 2011
- Notification of authors: 27 October 2011
- Final proceeding papers: 9 January, 2012

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