



Call for Papers

6th European ZigBee Developers' Conference

27th - 28th June, 2012 in Munich, Germany

Short-range wireless networks (SRWN) are an increasingly popular discipline, as they allow an enormous number of new applications for ubiquitous computing by the use of low-cost, low-power, but flexible and mobile wireless nodes.

ZigBee promises to be the major standard for short-range wireless networks. It is endorsed by the ZigBee Alliance, a consortium with currently around 350 official member companies, including six of the world's top ten semiconductor manufacturers, both as Alliance members and producers of ZigBee silicon.

Today, system designers can choose from a large variety of products, which are already available in good quality, with attractive pricing, and mix and match their solutions. However, they will soon find out that the generic approach of IEEE802.15.4 and ZigBee allows not only a good adaptability to the target, but also an extremely large design space with a big amount of design variables. Its major target markets are in smart grid and smart metering, home automation, health care, telecommunication, and retail services.

The ZigBee Developers' Conference is a platform to learn about the actual and future status of the ZigBee development, to get to know hardware and software products, and to get acquainted with the development process.

After the great and ongoing success of the European ZigBee Developers' Conferences in the last years, the ZigBee Alliance will hold their **6th European ZigBee Developers' Conference (EuZDC) June, 27th and 28th, 2012 in Munich (Germany)**. It is organized and run by the German electronics journal DESIGN&ELEKTRONIK in cooperation with the ELEKTRONIK magazine and the Steinbeis Transfer Center Embedded Design and Networking at the University of Applied Sciences Offenburg.

This is the official **Call for Papers**. You are invited to submit for a speaking opportunity. Conference attendees look to presenters as experts in ZigBee and will often seek out products and services from those companies. However, the development community tends to get upset if they feel that they have paid to attend "infomercials" for products or services from member companies. Please do not submit topics aimed at selling to the attendees. The programme committee will eliminate such topics. In addition, the scope of the conference is restricted to ZigBee-related or ZigBee-based developments.

We are planning four major elements for the 6th EuZDC:

- an introductory session to learn about the technology and techniques of ZigBee products and protocols,
- a forum with scientific related contributions,
- a forum, which presents project and product examples from the target markets, i.e. smart grid and smart metering, home automation, and telehealth and telecare applications, and
- extensive hands-on workshops.

We call for your ideas and contributions to enrich the conference. The following topics shall serve as orientation. We would like to highlight that we would like to see a special emphasis on real use-cases of ZigBee-based products. In addition, we warmly invite academia to give an insight into their future-driven research and development.

- Developing ZigBee based projects and products
 - Hardware Considerations for Development
 - Design Tools for ZigBee Networks
 - Antenna / Range Considerations & RF Characteristics
 - Considerations for Coping with Interference
 - Adding ZigBee to an Existing Device
 - Licensing ZigBee
- Developing Large, Diverse ZigBee Networks
 - Commissioning ZigBee products
 - ZigBee Network Management System
 - Analyzing ZigBee Protocols
 - Securing ZigBee networks
 - Gateway solutions
- ZigBee applications
 - Use Cases for ZigBee
 - Using ZigBee Application Profiles
 - Smart Grid and Smart Metering
 - Home Automation
 - Health Care
 - Upcoming Profiles
- Advanced developments
 - Energy Harvesting / Energy Autarky
 - Integration of Internet protocol (IP)
 - Integration of and with other protocols, e.g. HomePlug, BACNET, ...
 - Generic developments of ZigBee stacks

Of course, additional topics are warmly welcome.

**Please submit your abstract in English online until November, 14th, 2011:
www.zigbee-devcon-europe.de**

Should you be chosen to speak at the 6th European ZigBee Developers' Conference, you will be advised via email on **January, 13th, 2012.**

We are looking forward to your interesting contribution.

Caspar Grote
Editor-in-Chief DESIGN&ELEKTRONIK

Prof. Dr.-Ing. Axel Sikora
University of Applied Sciences Offenburg
Chair of programme committee

Program committee:

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- Wolfgang Hascher, Elektronik, Germany
- Bob Heile, ZigBee Alliance, USA
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