

Call for Papers

Wireless technologies in all their many variants are increasingly penetrating the professional and private sphere. Applications already in place range from mobile telephony through wireless LAN (WLAN) and RFID goods identifications to industrial radio data, control and automation. For the future, long-haul WLANs, body area networks, high-speed multimedia data transmission, wireless sensor networks and ubiquitous computing are set to become everyday applications of wireless technology.

Correspondingly diverse are the needs of developers and designers, project leaders and management not only for in-depth information about the fundamentals, the engineering, uses and future prospects of the different wireless applications, but also about market impact, standardization and the security of these technologies.

The *Elektronik* magazine, the German Electrical and Electronic Manufacturers' Association (ZVEI) and Messe Muenchen as organiser of electronica 2004 are therefore cooperating to stage a two day congress (November 10 and 11) titled

Wireless Congress 2004: Systems & Applications

accompanying this year's *electronica* trade show in Munich, Germany (November 9 through 12). The congress is intended to illuminate all the technical aspects of present-day and future wireless technologies, primarily for the industrial sphere, and to offer insight into current applications, security questions, standards and market opportunities.

Papers will be in English, and should be timed for between 20 and 60 minutes speaking time. Accepted papers will be collected (conference Proceeding) and made available to participants at the congress.

This is a call for the submission of abstracts of proposed papers in the following subject areas:

- Wireless data networks (WLAN, etc.)
- Mobile telephony and mobile services (in 2.5G, 3G, UMTS, possibly 4G)
- Personal networks (e.g. Bluetooth, body area networks, ZigBee)
- Industrial radio data and wireless automation (ISM-radio and automation networks)
- Security in wireless systems (reliability, cryptography, authentication)
- Embedded Wireless (industrial wireless integration)
- RFID, NFC, identification technology
- Wireless sensor networks
- WiMAX, UWB, high-speed WLAN – the upcoming wireless future
- Wireless future, ubiquitous computing – the wireless horizon

These subjects should in every case be looked at in terms of:

- Fundamentals (if necessary, for new technologies)
- Technology (e.g. chips, protocols)
- Applications (both the possibilities and the barriers)
- Standards/regulation (existing and developing)
- Prospects and market appreciation

Call for Papers

The submitted abstracts will be judged by a program committee composed of:

Dr. Christian Gayda, Siemens AG
Dr. Bernd Fodi, German Electrical and Electronic Manufacturers' Association (ZVEI)
Wolfgang Hascher, Dipl.-Ing., editor of *Elektronik* magazine
Guenther Klasche, Dipl.-Ing., editor-in-chief of *Elektronik* magazine
Helmut Kloiber, Philips Semiconductors
Prof. Dr. Friedemann Mattern, ETH Zurich
Michael Platzoeder, Infineon Technologies AG
Roman Polz, Dipl.-Ing., Agere Systems
Dipl.-Ing Karlheinz Ronge, Fraunhofer IIS
Göran Wahlberg, Nokia Corporation
Hjalmar Westerwelle, Dipl.-Ing., Verband Industrie-Datenfunk ISAD
Prof. Dr. Joerg Wollert, Bochum Engineering College

The papers and conference contributions should deal with purely technical, economic and standardization-related aspects of the named subjects. Marketing-oriented papers will not be accepted.

Please send an explicit abstract of your proposed paper (with title, name and position plus biography of the speaker) in English using the electronic registration form at <http://www.wireless-congress.de> to reach the program committee by **July 01, 2004**. If you have any questions about the congress contact Wolfgang Hascher (phone: +49 8121 951332, e-mail: whascher@elektronik.de) or Bernd Fodi (phone: +49 69 6302461, e-mail: fodi@zvei.org).

The *Wireless Congress 2004: Systems & Applications* is an accompanying event of the special exhibit area "Wireless Communication" at electronica 2004. For more information concerning the focus area at electronica contact Andrea Wiedemann (Phone: (+49 89 9 492 0313), email: wiedemann@messe-muenchen.de).

Supporting Partners *Wireless Congress 2004: Systems & Applications*

- VDE/VDI-Society Microelectronics, Micro- and Precision Engineering (GMM)
- Information Technology Society within VDE (IGT)