

About PIMRC 2005

PIMRC enjoys an outstanding reputation and represents a new trend in international conferences, one which is well suited to the evolving global market. It is uniquely identified by:

- Balance among academia, industry, and governmental organisations,
- Truly international technical program endorsed by IEEE, IEE, IEICE and VDE,
- Flexible organisation tailored to the conference venue.

The convergence of systems and the all-IP approach have become important concepts for wireless communications. PIMRC 2005 for the first time offers a platform to bring together the computer networking and wireless communications research communities. Accordingly, contributions are encouraged from the networking research community that address Telco- and IP networks convergence and IETF based approaches as well as contributions from computer science research covering mobile computing, service platforms and mobile applications.

The PIMRC 2005 co-chairs would like to invite leading researchers from regional programmes towards Beyond 3G systems to present their work. In this context we are inviting contributions from research programs, e.g.,

- China's 863 B3G project FuTURE
- Europe's B3G projects
- USA's activities in IETF/FCC/TIA on beyond 3GPP2
- Korea's concepts on Broadband Radio Networks
- Japan's initiatives in the mobile Information Technology Forum (mITF)
- IEEE Project 802: Task Groups on wireless broadband

Topics

You are invited to submit original papers addressing topics in all areas of wireless personal communications systems, networks, middleware and applications. Potential topics include, but are not limited to, the technical subject categories listed below:

1 - Physical Layer

- Wireless propagation and channel modelling
- RF & BB technologies for handsets
- MIMO techniques and smart adaptive antennas
- Antenna and RF subsystems
- Coding, modulation & equalization
- Software radio and re-configurability
- Cognitive radio
- Multiplex techniques like spread spectrum techniques and OFDM

2 - Networks

- Multiple access and network protocols
- Radio resource management
- (Vertical) handover control
- New wireless network architectures and solutions
- IETF based approaches and all-IP networks
- Convergence of networks
- Ad-hoc and sensor networks
- Adaptive network technologies
- Wireless IP, Mobile IP
- Wireless LAN and PAN
- Satellite networks and High Altitude Platforms
- Digital audio & video broadcasting
- Security & privacy

3 - Middleware/Applications

- Applications & Services
- Service and middleware platforms
- Pervasive computing and ambient intelligence
- Mobile multimedia
- GPS, Galileo & applications
- Security & privacy
- Location based services and positioning
- Experiments, trials & deployment

4 - Systems

- IMT-2000 (UMTS, CDMA2000, etc.)
- Beyond 3G and 4G systems
- Spectrum sharing and coexistence
- Spectrum agility, policies and open spectrum
- Mobile/Wireless network modelling, analysis and simulation
- Intelligent transportation system
- Cross-layer designs

Important Dates

Full papers due:	March 20, 2005
Acceptance notice:	May 23, 2005
Final manuscript due:	June 13, 2005

Manuscripts

Authors should submit full papers electronically not later than March 20, 2005 using the link to the on-line submission interface at the conference website <http://www.pimrc2005.org>.

The papers should be in English, with not more than 5 double-column pages (3,000 words), in Adobe PDF format. Author contact information must be included in the submission. Where multiple authors are involved, please indicate the corresponding author. At submission the topics addressed by the paper must be specified.

Final Paper

Accepted papers will be included in the conference proceedings only after the presenting author has registered for the conference and payment has been received at the conference secretariat by June 13, 2005. Detailed information about the registration and conference fees will be available by May 2005 on the conference website. The length of each manuscript must not exceed five single-spaced, double column typewritten pages, tables and figures included. The manuscripts must be in English. Detailed instructions regarding manuscript formatting will be e-mailed to authors of accepted papers. The final manuscripts are due not later than **June 13, 2005**.

Technical Programme Co-Chairs

Bernhard Walke, RWTH Aachen University, Germany
Klaus David, University of Kassel, Germany
Martin Haardt, Ilmenau University of Technology, Germany
Petri Mähönen, RWTH Aachen University, Germany

Vice-Chairs and Area Coordinators

Europe: Hamid Aghvami, King's College London, UK
Americas: Kaveh Pahlavan, Worcester Polytechnic Institute, USA
Asia Pacific: Shuzo Kato, Omni Wireless, USA

Conference City

For the first time PIMRC takes place in Berlin, the old and new German capital in the centre of Europe. No other city in Germany reflects the historical events of the last few years and even for the last century to the extent Berlin does. For more details see <http://www.berlin.de>

Venue

The conference will take place in the ICC Berlin, it is one of the major players on the international congress stage and renowned for its extraordinary architecture. For more details visit <http://www.icc-berlin.de>

PIMRC 2005 Secretariat

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Call for Papers

PIMRC 2005

The 16th Annual IEEE International Symposium on Personal Indoor and Mobile Radio Communications



www.pimrc2005.org

**Maritim Congress Hotel
Berlin, Germany
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Organized by

