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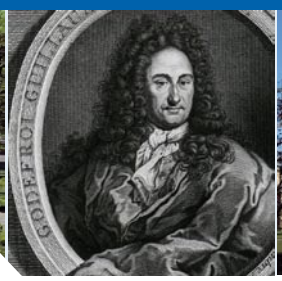
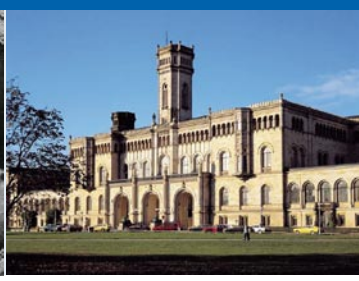
Leibniz Universität Hannover

ICUWB 2008 ULTRA-WIDEBAND





CALL FOR PAPERS

The IEEE 2008 International Conference on Ultra-Wideband will be held in Hannover, Germany, on September 10-12, 2008. This conference provides a forum for the latest UWB systems, technologies, and applications in both microwave and millimeter wave bands. ICUWB 2008 is a continuation of a series of annual international UWB conferences held in Baltimore (2002), Reston-VA (2003), Oulu (2004), Kyoto (2004), Zurich (2005), Waltham (2006) and Singapore (2007).

Electronic Paper Submission Prospective authors are invited to submit technical papers (4 pages, in PDF format) emphasizing their contributions beyond the state of the art via the ICUWB 2008 website at **www.icuwb2008.org**. Complete information on how to submit a paper and register for the conference can be found on this website. The paper submission implies that at least one of the authors will have a full registration to the Conference on acceptance of the paper. All accepted papers will be published by the IEEE in the Conference Proceedings and included in IEEEXplore.

Topics shall include (but not limited to)

Antennas and Propagation
- UWB antennas and arrays
- Channel measurements & modeling
- Field trials & measurements

UWB Communication Systems and Signal Processing
- Modulation & detection
- Synchronization
- Ranging, localization and positioning
- MIMO
- Interference & capacity
- Coding & decoding
- Multiple access schemes
- Time reversal

Hardware Architecture and Implementation
- RF modules, circuits & systems
- Pulse generation & detection
- Integrated circuits designs
- Low power consumption techniques
- OFDM implementations
- System architectures

Standardization and Regulatory Issues
- Spectral management
- Measurement for type approval
- Emerging wireless standardizations
- Signal modeling
- Co-existence

Applications
- Wireless personal/body area network
- Home networking
- Wireless USB, Wireless firewire
- Sensing and medical imaging
- Radar
- Consumer electronics

UWB Cognitive and Cooperative
- Radio Networks
- Radio access protocols and architectures
- Energy efficient cross-layer design
- Spectrum sensing and dynamic spectrum sharing

IKT

Organized by the Institute of Communications Technology (IKT).

There will also be an exhibition and a student paper contest in this event. See the conference website for further details. Workshop (tutorial through expert level) proposals are invited. More information can be found at **www.icuwb2008.org**. Please contact **contact@icuwb2008.org** for any inquiry.

IMPORTANT DATES FOR AUTHORS

Proposal for workshop:	**10 January 2008**
Submission of Technical Paper:	**10 February 2008**
Notification of Acceptance:	**11 May 2008**
Submission of Final Manuscript:	**22 Jun 2008**

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