ITG INFORMATIONSTECHNISCHE GESELLSCHAFT IM VDE

IHK Industrie– und Handelskammer Hannover

IEEE VTS Connecting the Mobile World

Leibniz Universität Hannover **LUH**
IKT Institute of Communications Engineering

IEEE Communications Society Germany Chapter

Preliminary Invitation and Call for Papers

4th Workshop on Positioning, Navigation and Communication 2007 (WPNC'07)

Location: Leibniz University of Hannover, Germany　　　**March 22, 2007, right after CeBIT'07**

Technical Program Committee

Susanne Boll
University of Oldenburg, Germany

Dorota Brzenzinska
Ohio State University, USA

Vicente Casares-Giner
Polytechnique University of Valencia, Spain

Li-Der Chou
National Central University, Taiwan

Maria-Gabriella Di Benedetto
University of Rome La Sapienza, Italy

Manuel Esteve
Polytechnique University of Valencia, Spain

Hermann Eul
Infineon, Germany

Adolf Finger
TU Dresden, Germany

Laurent Herault
CEA-LETI, Centre de Grenoble, France

Adam Hoeher
University of Kiel, Germany

James Irvine
University of Strathclyde, UK

Klaus Jobmann
University of Hannover, Germany

Thomas Kaiser
University of Hannover, Germany

Rolf Kraemer
IHP Microelectronics, Germany

Thomas Kürner
TU Brunswick, Germany

Kyandoghere Kyamakya
University of Klagenfurt, Austria

Heinz Lüdiger
IMST, Germany

Andreas F. Molisch
Lund University, Sweden

Kyle O'Keefe
University of Calgary, Canada

Kaveh Pahlavan
Worcester Polytechnic Institute, USA

Robert Piché
Tampere University, Finland

Ulrich Reimers
TU Brunswick, Germany

Hermann Rohling
TU Hamburg Harburg, Germany

Robert Schober
University of British Columbia, Canada

Reiner Thomä
TU Ilmenau, Germany

Andy Ward
Ubisense, UK

Contact

Prof. T. Kaiser
Prof. K. Jobmann
email:　workshop2007@wpnc.net
phone:　+49 (0) 511 762 2814
web:　www.wpnc.net

Important dates

- Submission of **Extended Abstracts** until: **Nov. 26, 2006**
- **Notification** of acceptance or denial until: **Jan. 08, 2007**
- Submission of **Camera Ready Manuscripts** until: **Feb. 16, 2007**

Scope

Mobile position-aware systems, combined with modern wireless technologies, are getting more and more important. When developing systems of this kind, problems in various fields of information and communication technology need to be solved. The workshop shall give an overview of state-of-the-art approaches and systems. As many technologies are available to deal with the variety of applications, we would like to continue to cover ultra-wideband technology as it is becoming of great importance in the area of positioning, navigation and communication.

Topics

You are invited to submit papers presenting scientific work or practical implementations addressing, but not limited to the following topics:

- **Positioning**
    - Outdoor-Radio Systems (terrestrial & satellite-based)
    - Indoor-Positioning
    - Hybrid Approaches

- **Navigation**
    - Pedestrian Navigation
    - Vehicle and Robot Navigation

- **Communication and Services**
    - Integrated Positioning and Communication
    - Location Based Services
    - Application Scenarios

- **Ultra-Wideband**
    - Positioning and Localization
    - Architectures, Systems, Protocols
    - Hybrid Positioning and Communication
    - Regulatory Issues, EMC/EMI

Submission Guidelines

Full-paper or poster submissions in the form of extended abstracts or full papers are requested electronically in PDF-format in English language until Nov. 26, 2006. Paper submission is handled only through the TrackChair paper review system at http://wpnc07.trackchair.com. With acceptance, complete contributions of up to 10 pages are expected until Feb. 16, 2007.

Publishing

The workshop proceedings in book-form will be published in the series "Hannoversche Beiträge zur Nachrichtentechnik" by SHAKER publishing.

In addition, an application to publish in the IEEE Xplore database has been filed.