



# Call for Papers – Extended Submission Deadline

## 8<sup>th</sup> Workshop on Positioning, Navigation and Communication 2011 (WPNC'11)

Location: Dresden, Germany

April 07-08, 2011

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### Scope

Accurate location and tracking information anywhere anytime is becoming as important as communication anywhere, anytime. Although mobile position-aware systems, combined with modern wireless technologies are entering our daily life, several problems in information and communication technology still need to be solved. The workshop is devoted to recent advances in positioning, navigation and communications, as well the current state-of-the-art in techniques and systems. In addition contributions from major R&D projects are included in the workshop, to provide an insight on modern localization technology in various applications.

### Topics

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

#### Ranging/Positioning

Radio based positioning systems  
Indoor-positioning technologies  
RFID based approaches  
Active & passive object detection  
Ultra-sound based approaches

Hybrid approaches including radio  
Ranging/Positioning algorithms  
Data fusion techniques  
Compressive sensing  
Radio propagation issues & antennas

#### Navigation

Pedestrian/special forces navigation  
Asset tracking

Vehicle and robot navigation  
Industrial process automation

#### Localization related R&D projects (EUWB, WHERE-2, LOMMID, E-Sponder, ...)

UWB in public transportation  
UWB in the automotive environment  
Positioning techniques

UWB in the home entertainment  
UWB in heterogeneous networks  
Location-aided communications

#### Communication and Services

Location based services  
Integrated positioning & communication

Local application scenarios  
Global application scenarios

#### Ultra-Wideband

Positioning and localization  
Architectures, systems, protocols

Hybrid positioning & communication  
Standardization issues, EMC/EMI

### Submission Guidelines

Either **Extended Abstracts** (1-2 pages) or **Full Papers** (max. 6 pages) may be submitted electronically in **PDF-format** in English language until **February 15th, 2011**. Paper submission is handled through the TrackChair conference system at <http://wpnc11.trackchair.com>.

### Notification of Acceptance and Camera Ready

Authors of accepted articles will be notified on **March 6th, 2011** and are required to deliver PDF-format Camera-Ready (max. 6 pages) versions of accepted papers by **April 2nd, 2011**. Only **presented articles (posters or talks)** will be published in **IEEEExplore**.

### Technical Exhibitions

Technical exhibitions addressing the workshop's scope are welcome. For further details, please contact [info@wpnc.net](mailto:info@wpnc.net) or call/SMS directly +49 163 1493489.

### Publishing

The workshop proceedings will be published electronically on data storage device at the event in Dresden and online in the IEEE Xplore database.

### Important Dates

Submission of **Extended Abstracts/Full Papers** until: **Extended to February 15th, 2011**

Notification of acceptance until: **March 6th, 2011**

Submission of **Camera Ready Manuscripts** until: **April 2nd, 2011**