

# Welcome the Wireless World

## Workshop on the Pervasive Application of Wireless Technologies

November 13, 2009, University of Twente, Enschede, the Netherlands

Technology grows, matures and gets more complicated. It is unrealistic to expect a single person to have a complete understanding of even an isolated technical realization. This is even more severe for wireless technologies which register vigorous development. Wireless applications have penetrated big part of our surrounding that we could even think of, and they are unstoppable. Wireless is becoming more ambitious and universal on daily basis.

Collaboration is the key to innovation and further progress. Out-of-the-box thinking has proven to be a major ingredient for success but it is also hard to achieve once the focus is on specific details and problems. Often the same basic challenge can be found in different research areas. The specifics may differ depending on the application field but the core problem stays the same. For example, propagation of medical signals may be as crucial as video streaming although they are used for very different reasons. Sharing experience with others can provide a solution to our own problem in a ways we would not have imagined. This inspiration is the very aim of this workshop, i.e., to share experience, present high quality research papers, and have out-of-box thinking and informal discussions.

### **PROGRAM**

The W3 workshop will bring together researchers from the University of Twente, TU Delft and TU Eindhoven, who all share the same passion for wireless technologies. The diversity of topics opens the way toward enriching discussions and out-of-the-box thinking, which are further stimulated by the casual environment. Two invited speakers from industry and one from academia will inspire the participants about the future of wireless. The workshop experience is completed by demonstrations of wireless application prototypes.

### **CONTRIBUTION**

We welcome abstracts on completed or ongoing research as well as preliminary research ideas. The abstracts should be two A4 pages according to the Springer LNCS format including figures, tables and references. The abstract should contain the following four sections:

- Project description
- State of the art
- Your specific contribution
- Future interest

The abstracts will be collected and printed as a technical report.

The common link between all contributions is their relatedness to wireless technologies. However, submissions from a broad spectrum of research fields are welcomed. We especially encourage papers dedicated to the applicability

of wireless technologies as for example in the fields of medicine, environmental monitoring or day-to-day lifestyle.

Topics of interest include but are not limited to:

- Cellular networks
  - UMTS
  - LTE/WiMAX
- Real life deployment challenges and strategies
- Heterogeneous wireless networks
- Short-range wireless technologies
  - Bluetooth
  - Zigbee
- Ultra low power wireless communications
- Vehicular networks
- Wireless networks
  - Sensor networks
    - Mesh networks
    - Mobile ad-hoc networks
    - Multi-hop networks
- Wireless multimedia systems
- Wireless networks management
  - Monitoring
  - QoS provisioning
  - Resource management

## **DURATION**

The one-day workshop consists of the following four main elements:

- Three keynote speeches from industry & academia
- Regular paper sessions accommodating in total 12 presentations of 20 min each
- Brainstorming session on the future of wireless & challenges ahead of it
- Demo panel for a hands-on experience in wireless applications

## **SUBMISSION**

Submissions should be no more than two pages including figures and tables and should comply with the Springer LNCS format which can be found on <http://www.springer.de/comp/lncs/authors.html> . The extended abstract should be in PDF file format. The camera ready version should include the source files – a MS Word document or a Latex source files (.tex, .dvi, .bib) with the accompanying figures, preferably in EPS format. The submissions should be sent to [w3workshop@ewi.utwente.nl](mailto:w3workshop@ewi.utwente.nl) .

## **IMPORTANT DATES**

Extended abstract submission 19 Oct 2009

Acceptance notification 30 Oct 2009

Author registration 06 Nov 2009

Participant registration 13 Nov 2009

## **Local organizers:**

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**TECHNICAL PROGRAM COMMITTEE**

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