

WINSYS 2007

International Conference on Wireless Information Networks and Systems

SCOPE

The purpose of WINSYS 2007, the *International Conference on Wireless Information Networks and Systems*, is to bring together researchers, engineers and practitioners interested on information systems and applications in the context of wireless networks and mobile technologies.

Information systems and information technology are pervasive in the whole communications field, which is quite vast, encompassing a large number of research topics and applications: from practical issues to the more abstract theoretical aspects of communication; from low level protocols to high-level networking and applications; from wireless networking technologies to mobile information systems; many other topics are included in the scope of WINSYS.

Ideas on how to analyze and approach problems by combining information systems and communication technologies, either in the scope of R&D projects, engineering or business applications, are welcome. Papers describing new methods or technologies, advanced prototypes, systems, tools and techniques and general survey papers indicating future directions are also encouraged. Papers describing original work are invited in any of the areas listed below. Accepted papers, presented at the conference by one of the authors, will be published in the Proceedings of WINSYS, with an ISBN. Acceptance will be based on quality, relevance and originality. Both full research reports and work-in-progress reports are welcome. There will be both oral and poster sessions.

The best papers will be selected to appear either in an international journal or in a book to be published by Springer.

Special sessions, case-studies and tutorials dedicated to technical/scientific topics related to the main conference are also envisaged: researchers interested in organizing a special session, or companies interested in presenting their products/methodologies or researchers interested in holding a tutorial are invited to contact the conference secretariat. Additional information can be found at <http://www.winsys.org>.

CONFERENCE AREAS

Each of these topic areas is expanded below but the sub-topics list is not exhaustive. Papers may address one or more of the listed sub-topics, although authors should not feel limited by them. Unlisted but related sub-topics are also acceptable, provided they fit in one of the following main topic areas:

- Wireless Information Networks
- Wireless Networking Technologies
- Mobile Software and Services
- Wireless Information Policy, Risk Assessment and Management

Area 1: Wireless Information Networks

- Wireless Local Loop: LMDS, MMDS
- GPRS, UMTS and Beyond 3G (B3G) Systems
- 4G Systems
- Spread-spectrum and CDMA Systems
- Broadband Systems
- Ultra Wide Band Systems (UWB)
- Home area networks
- Mobile Ad-hoc and Sensor Networks
- Body and Personal Area Networks
- Mobile Network Protocols and Packet Services
- Adaptive Wireless Network Protocols
- Network Management and Control
- Mobile IP
- Network Design, Optimisation, and Management
- Radio Coverage and Planning
- Performance Analysis of Wireless Networks
- QoS in Wireless Networks

Area 2: Wireless Networking Technologies

- Wireless Propagation Channel Analysis and Modelling
- Antenna Technologies
- MIMO Systems and Techniques
- Multi-carrier and CDMA, OFDM, Spread-spectrum and UWB
- Channel Coding, Modulation and Multi-user Detection
- Joint compression, Coding and Modulation for Wireless Multimedia
- Adaptive Modulation and Coding for Wireless Channels
- Detection, Decoding and Diversity Techniques
- Turbo Codes and Iterative Decoding
- Radio Resource Management
- Implementation Architectures
- Emerging Technologies
- Experiments & Trials

Area 3 : Mobile Software and Services

- Mobile Services (WASP, ASP, MSP)
- Mobile Multimedia Applications
- Mobile Agents Support for Data Networks
- Security Aspects of Mobile Software
- Application Development Environment & Tools
- JAVA based development
- Software for Wireless Location Systems
- Software for Communications Development and Simulation
- Telecommunication Software Systems, Tools and Languages
- Parallel and Distributed Computing
- Grid and Cluster-based Computing
- Pervasive Computing
- Peer-to-Peer Computing
- Biometrics and Mobile Computing
- Automotive Industry
- Wearable Computers
- Web services
- Personal Communication Systems
- Distributed Processing Techniques and Applications

Area 4 : Wireless Information Policy, Risk Assessment and Management

- Mobile Technology Standards
- Information Security Policy for Wireless Networks
- Spectrum Policies and Coexistence
- User Policies and Procedures
- Wireless Location Privacy Law and Policies
- Wireless Application Areas
- Policies for Writing Mobile Code
- Mobile Access Rights Management
- Risk management and assessment in wireless environments
- Information Security Policy for Wireless Networks
- Wired to Wireless transition issues
- Monitoring System Vulnerabilities
- Outsourcing Risk Management

KEYNOTE SPEAKERS

- Franco Davoli, University of Genoa, Italy

- SUBMISSION OF PAPERS

Authors should submit a complete paper in English of up to 8 A4 pages, using the submission procedure indicated below. The program committee will review all papers and the contact author of each paper will be notified of the result, by email. Each paper should clearly indicate the nature of its technical/scientific contribution, and the problems, domains or environments to which it is applicable. Authors must also indicate the conference track to which the paper is submitted. The paper must be carefully checked for correct grammar and spelling.

Paper submission procedure

1. A "blind" paper evaluation method will be used. To facilitate that, the authors are kindly requested to produce and provide the full paper, WITHOUT any reference to the authors. The manuscript must contain, in its first page, the paper title, an abstract and a list of keywords but NO NAMES OR CONTACT DETAILS WHATSOEVER are to be included in any part of this file.
2. The contact author will then use the WINSYS web-based submission facility available at the conference web site, <http://www.winsys.org/> to enter the contact information of all paper authors plus the file indicated in point 1, above. The facility will automatically send a submission acknowledgement, by email, to the author indicated as "contact author". Please contact the secretariat if no acknowledgement is received.

If the author is unable to use the web-based procedure then he/she can send the paper by e-mail to the secretariat attaching an additional file containing: the title, author(s), affiliation(s), contact details, a list of keywords and an abstract. Authors must also indicate the conference area (including the topics), to which the paper is submitted.

The camera-ready format will be enforced only for accepted papers, but authors are encouraged to use it also for paper submissions, in order to reduce extra work later. Two templates are provided at the conference web site: one for Latex and another for MS Word. Due to space limitations in the Proceedings, the camera-ready version will be limited to 8 (eight) pages for full papers, 6 (six) for short papers (progress reports) and 4 (four) for poster presentations. If absolutely needed, the number of pages may be increased up to a maximum of 12 (long presentations), 8 (short presentations) and 6 (poster presentations). However, for each page in excess of the maximum allowed, the author will have to pay an additional fee.

PUBLICATIONS

WINSYS 2007 papers will be indexed by ISI, INSPEC and DBLP.

All accepted papers will be published in the conference proceedings, under an ISBN reference, in paper and in CD-ROM support.

A book including a selection of the best conference papers will be edited and published by Springer.

IMPORTANT DEADLINES

Full Paper Submission: 4th April 2007 (new)
Author Notification: 21st May 2007 (new)
Final Paper Submission and Registration: 31st May 2007 (new)
Conference Date: 28-31 July 2007

SECRETARIAT

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VENUE

The conference will be held in Barceló Hotel Sants. The Barceló Hotel Sants is a deluxe hotel located in the heart of Barcelona. It stays about 15 minutes from the airport, 4 minutes to Plaza de Catalunya and 500 meters to the Fira de Barcelona. Considering the hotel is exactly above the train station, it allows traveling to anyplace. Most important is the fact that all the noise from the train station is undetected because the hotel is soundproofed. The Barcelo Hotel Sants also offers on site dining and is convenient to many shopping and entertainment venues.

CONFERENCE CO-CHAIRS

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