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## CALL FOR PAPERS

# 11<sup>th</sup> European Wireless Conference EW'05

“Next Generation Wireless and Mobile  
Communications and Services”

Nicosia, Cyprus  
April 10-13, 2005



<http://www.european-wireless2005.de>

Organized by  
The University of Cyprus  
ITG / VDE



V D E

## Scope of the Conference

Wireless communications is today one of the most dynamic sectors of our global economy. The introduction of third generation mobile communications is no longer imminent but incident in Europe, and throughout the world. At the same time, research for wireless communication systems beyond the third generation is in full swing.

The European Wireless 2005 Conference focuses on technologies, protocols, services and applications that will enable a full seamless and nomadic user access to new classes of multimedia services with a user-centric focus. Service provision will occur at the home, at the workplace, at leisure and during travel. The vision is to integrate the wireless local area and next generation cellular networks and develop the next generation of future wireless communication. Such networks will enable the provision of ubiquitous wireless services, which will become more and more innovative as they are driven by the consumer demands of the user and as a result of competition between the service providers. This is the main theme chosen for the European Wireless 2005 Conference, which will be held in Nicosia, Cyprus, on April 11-15, 2005. The focus of the conference will be the technical challenges which need to be met in order to make the vision of the ubiquitous provision of innovative wireless services a reality.

## Conference History

The European Wireless (EW) has happened so far alternating with the European Personal and Mobile radio Conference (EPMCC).

Earlier events of the EW have been:

1. Oct. 1998, Amsterdam, Netherlands, together with European Microwave Conference
2. Oct. 1999, Munich, Germany, together with European Microwave Conference
3. Sept. 2000, Dresden, Germany
4. Feb. 2002, Florence, Italy, <http://www.ing.unipi.it/ew2002/>
5. Mar. 2004, Barcelona, Spain, <http://research.ac.upc.es/EW2004/>

Earlier events of the EPMCC have been:

1. Nov. 1995, Bologna, Italy
2. Sept. 1997, Bonn, Germany, <http://www.comnets.rwth-aachen.de/EPMCC97/>
3. Mar. 1999, Paris, France
4. Feb. 2001, Vienna, Austria, [http://www.tuwien.ac.at/forschung/news/a-001211\\_epmcc.htm](http://www.tuwien.ac.at/forschung/news/a-001211_epmcc.htm)
5. Apr. 2003, Glasgow, Scotland

In 2004 the TPCs of both conferences decided to join both conferences and continue under the unique name of European

Wireless. The 11th event of this combined conference series is happening in 2005 at Cyprus.

## Topics

Technical papers describing original, previously unpublished research are solicited. Specific topics of interest include, but are not limited to, the following:

- 2G - 3G - 4G Migration and Evolution
- All-IP Wireless Terminals, Convergence, Intelligence
- Analysis (Simulation and Measurements of Mobile and Wireless Systems)
- B3G/4G Bandwidth on Demand
- B3G/4G Spectrum and Spectrum Sharing
- B3G/4G Wireless Applications Protocol
- Base Station Technology
- Radio Channel Modelling (Wave Propagation and Measurements)
- Coexistence of Mobile Radio Networks
- Convergence of 3Gwireless and Internet
- Cross-layer Design in Mobile and Wireless Networks
- Fixed/Mobile Networks Integration and Interworking
- Heterogeneity in Future Networks
- High Altitude Platforms and Satellites
- Interference Mitigation and Management Techniques
- IP-based Mobile Systems
- Location-based Services and Positioning
- Middleware
- Mobile Agents
- Mobile and Wireless Applications
- Mobile/Wireless Networks Modelling and Simulation
- Mobility Management and Billing Technologies
- Multiple Access Schemes
- Open Wireless Architecture (OWA)
- Power and Interference Control
- Power Management for Small Terminals
- Protocols for Air Interfaces and Networks
- QoS and Resource Allocation in Mobile and Wireless Networks
- Radio Resource Management
- Radio Transmission Technology
- Security and Robustness in Wireless Networks
- Sensor Network Planning and Deployment
- Short Range Communication Systems
- Signal Processing Techniques for Communications
- Smart Antennas, Adaptive Antennas, MIMO and Beam Forming
- Software Defined Radio & Re-configurability
- Spectrum Agility, Spectrum Etiquette and Open Spectrum
- Spectrum Efficiency Analyses
- Transport Layer Issues in Mobile and Wireless Networks

- Ultra-Wideband and Short-range Networks
- Wireless Ad-hoc Networks, MANET
- Wireless Broadband Mobile Access
- Wireless LAN/PAN

## Paper Submission Instructions

Papers for the conference should be written in English with a limit of 12 pages, single column, where lines should be double spaced (in order to fit 7 A4 pages, two columns and single space available for the camera ready copy).

The title page of the submission should contain the authors' names, affiliations and contact details. Please indicate the corresponding author.

Authors should submit full papers using the online submission interface of EDAS (<http://www.edas.info>) in Adobe PDF format. All submitted papers will be reviewed by the program committee members.

Accepted papers will be published in the conference proceedings. Authors of accepted papers are not exempted from paying registration fees.

## Important Dates

<b>Full Paper Submissions Due (Extended Deadline)</b>	<b>November 12, 2004</b> <b>November 27, 2004</b>
<b>Notification of Acceptance</b>	<b>February 8, 2005</b>
<b>Camera-Ready Due</b>	<b>February 28, 2005</b>
<b>Early registration deadline</b>	<b>February 28, 2005</b>

## Conference Secretariat

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## The Venue



Cyprus is a beautiful island, the third largest in the Mediterranean Sea, with an excellent climate and natural beauty. The island has been at the crossroads of history for millennia and hosts a wealth of archaeological findings from the pre-historic, ancient Greek, Hellenistic, Roman, Byzantine and Medieval times. Today, the Republic of Cyprus is member of the European Union with a population of around 700,000. The island serves the whole of the Eastern Mediterranean as a service, conference and business center.



Nicosia, the capital of Cyprus, is a rather small city of 200,000 people with excellent services, infrastructure and organization. The city is 47 km away from Larnaca International Airport, which provides daily connections to international destinations such as London, Amsterdam, Frankfurt, Vienna, Athens, Tel Aviv, Moscow, Italy (Rome or Milan), Thessaloniki, Cairo, Bahrein. There are

weekly connections to Paris, Brussels, Manchester, Warsaw, Bucharest, etc.



The University of Cyprus is situated in Nicosia. It is a public institution housed in a picturesque colonial campus. The Department of Computer Science belongs to the School of Pure and Applied Sciences and is located in the new campus developed at the outskirts of the city. The department owns state-of-the-art facilities for computing (several clusters and symmetric multiprocessors), teleconferencing, graphics and multimedia, robotics, and wireless networking. During the last few years, the department has attracted over 3 million euros of funding from IST-FP5, the Research Foundation of Cyprus and the private sector. Currently it participates in three Grid-related projects of IST-FP5 and runs the Cypriot node connected to the European Grid infrastructure of CrossGrid. Furthermore, the department has hosted or co-organized several international and regional Conferences, workshops and events, such as Coordination 2000, the 7th International Conference on Principles and Practice of Constraint Programming (2001), the International Conference on Logic Programming (2001), the 8th Greek Conference on Informatics (2001), the 2nd European Across Grids Conference (AxGrids 2004), and the 19th ACM Symposium on Applied Computing (2004).

See <http://www.european-wireless2005.de> for further details.