

**ECRR 2007**

**8<sup>th</sup> EUROPEAN CONFERENCE  
ON FIXED WIRELESS NETWORKS AND TECHNOLOGIES**

**3 - 5 April 2007 Paris (France) - [www.ew2007.org/ecrr.html](http://www.ew2007.org/ecrr.html) -**

*Exploitation and advantages of Terrestrial Fixed Wireless Systems in communications networks: focus on today's and tomorrow's technologies, applications and services.*

**Purpose**

The purpose of the conference is to provide a Forum for the discussion of the most recent developments in the field of Fixed Wireless Networks and Technologies in view of the variety of new services and applications including nomadicity.

The conference addresses also the architectural and planning criteria to meet the performance and economic requirements asked for by both existing and new services.

**Contributions**

Authors are invited to provide original contributions on the following subject areas targeting both access and transport aspects:

**1. Applications and Economics**

- Wireless solutions for fixed services' applications
- Fixed wireless solutions for mobile services' applications e.g., feeder to mobile infrastructure
- Fixed wireless access for bridging the "digital divide"

**2. Spectrum management, spectrum efficiency and regulatory aspects**

- General management aspects of fixed service spectrum
- Strategies and experiences of Standardisation and Regulatory Bodies
- Technical and Economic aspects relevant to an efficient usage of the spectrum
- Upcoming changes in European spectrum regulatory regimes and their impact on technologies

**3. Access Networks: architectural, service requirements and performance aspects**

- Systems and Network architectural aspects including meshed and adaptive networks
- Point-to-multipoint access for high data rate application (e.g. WiMAX and WLAN)
- Fixed wireless systems for IP /Ethernet and packet data transmission
- Standardisation of new Fixed Wireless Access systems inside and outside Europe
- QoS requirements and performance of packet data over radio, including VoIP and multimedia services

**4. Backbone Networks: architectural, service requirements and performance aspects**

- Role of fixed radio in the backbone networks
- Impact of new access services on the backbone radio architecture and performance
- In field results

## **5. Equipment technologies**

- New technologies and strategies for the improvement of the spectrum efficiency (e.g. space time coding, MIMO and mitigation techniques)
- New technologies for reduced power emission (e.g. UWB)
- Integrated microwave technologies
- Antennas
- Radio channel characteristics and countermeasures technologies
- Multiple access schemes for Multipoint systems

## **6. Planning and deployment aspects**

- Radio network planning tools (backbone and access networks)
- System deployment experiences
- Interference aspects
- Impact of environmental constraints
- Impact of new performance standards on radio networks

## **7. TMN aspects**

- Experiences on fixed radio integrated in the Telecommunication Management Network
- Impact of new services provisioning on management solutions

The Scientific Committee encourages further proposals and contributions subject to consideration for inclusion in the conference programme.

The deadline for reception of synopsis is the **15<sup>th</sup> November 2006**. The synopsis shall have at least 1000 words. Authors will be advised of the acceptance of papers by the **15<sup>th</sup> December 2006** a document template for the final paper will be provided at that stage. The deadline for the reception of the final paper will be **28<sup>th</sup> February 2007**.

The synopses have to be sent electronically, at the following address:

[ecrr@ew2007.org](mailto:ecrr@ew2007.org)

### **CHAIRMAN OF THE SCIENTIFIC COMMITTEE**

Sandro Dionisi (Telecom Italia)

### **SCIENTIFIC COMMITTEE**

Laurent Bellot (HARRIS Communication S.A.), Giovanna d'Aria (Telecom Italia Lab), Ingvar Henne (NERA Telecommunications), Fazel Khaled (Ericsson), Berthold Lankl (University of Federal Armed Forces - Munich), Pekka Linna (Teliasonera), Vladimir Minkin (NIIR, Ministry for Communication and Informatization of the Russian Federation), Mats Ohman (Teliasonera), Marcello Salerno (Siemens Mobile Communication), Erik Stilling (Danske Telecom), Torbjørn Tanem (Telenor)

### **EXHIBITION**

It is planned to organise an exhibition in association with the Conference. Those requiring further details should contact the Conference secretariat as soon as possible.

### **VENUE**

The conference is co-located with European Wireless 2007 ([www.ew2007.org](http://www.ew2007.org)), and will be hosted by ENSTA in Paris. Further information can be found on the conference web site ([www.ew2007.org/venue.html](http://www.ew2007.org/venue.html)).