



Workshop on  
**Broadband wired and wireless networks**

**7<sup>th</sup> IEEE, IET International Symposium on  
Communications Systems, Networks and Digital Signal Processing**

21th-23th July 2010 – Newcastle, UK

<http://www.csndsp.com>

Technically (co-)sponsored by the IEEE and IET

Jointly Organized and Endorsed by EU FP7 BONE project and COST Action IC0802

**Scope of the session:** Broadband communications networks are today the best way to veiculate and guarantee the utilization of multiple and new generation services requested by the end users. Thus, in particular, Internet applications, video-conferences, 2G and 3G phone data traffic, e-/m. applications, cloud & grid computing et alt. In this contest wired (fibers) and wireless (radio and/or FSO) broadband systems, for example, represent possible infrastructures to allows flexible and fast connections. This Workshop, jointly organized by COST IC0802 and FP7 BONE Project intend to present the latest results on the topics already mentioned. Topics of relevance include but are not limited to:

- Broadband optical wireless networks
- Stationary & ad-hoc broadband access networks
- Dynamic linking in satellites networks
- Power, Delay and Transmission constrains in satellites systems
- Operational Expenditures
- Next Generation Access Networks
- Hybrid Wired & Wireless Networks
- OBS and OCS dynamics
- Receivers, Transmitters design

**Organizing Committee:**

Eric Leitgeb, Univ Graz

Branko Mikac, Univ Zagreb

Gerald Franzl, IBK Vienna

Giorgio M. Tosi Beleffi – MISE, Communication Department (Italy)

Antonio L. J. Teixeira – Instituto de Telecomunicacoes de Aveiro - IT (Portugal)

Gabriele Incerti - University of Tor Vergata/MISE Comm Dept. (Italy)

*Prof. Z Ghassemlooy – Northumbria University, Uk*

*Dr J Mitchell – University College London, UK*

**Technical Committee:**

Silvia Di Bartolo University of Tor Vergata/MISE Comm Dept. (Italy)

Valeria Carrozzo University of Tor Vergata/MISE Comm Dept. (Italy)

Frank Marzano University La Sapienza (Italy)

**Paper submission:** according to CSNDSP 2010 submission rules at <http://www.csndsp.com/>

**Important dates:** Submission deadline: 21 February 2010

## **CSNDSP SESSIONS 2010 New Castle UK**

Broadband Future Access Networks with Low Energy Consumption impact  
Giorgio Maria Tosi Beleffi, Davide Forin, Eric Leitgeb, Valeria Carrozzo

An Analytical Multiple Scattering Model to Characterize Free Space Millimeter-wave and Optical Links  
in Presence of Atmospheric Impairments  
Frank S. Marzano, Giorgio M. Tosi Beleffi

Transparent WiMAX Transmission over the ACCORDANCE Optical/Wireless Segment  
M Milosavljevic, P Kourtessis, J. M Senior

A Gateway to the European Optical Network Research  
Peter Vandaele

Power Consumption of Wired Access Network Technologies  
Slavisa Aleksic, Ana Lovric