

IMPORTANT DATES

Online Submission Due:

19th March, 2011

Acceptance Notification:

1st April, 2011

Camera Ready Due:

8th April, 2011

Organizing Co- Chairs

Eugen Borcoci

Polytechnic University of Bucharest,
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France Telecom R&D,
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Program Committee

Bruno Selva, Thales Communications,
France (Chair)

David Hayes, Plasma Antennas, U.K.

Stefan Wendt, France Telecom, France

Arnaud Tonnerre, Thales
Communications, France

Tinku Rasheed, Create-Net, Italy

Laurent Reynaud, Orange, France

Usman Javaid, Vodafone, U.K.

Yvon Gourhant, France Telecom,
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Honggang Zhang, Zhejiang University,
China

Keith Conner, BAE Systems, U.S.A

Roberto Riggio, Create-Net, Italy

Shahab Mirzadeh, University of Surrey,
U.K.

Mihai Constantinescu, Polytechnic
University of Bucharest, Romania

David Hayes, Plasma Antennas, U.K.

Workshop papers will be published in the
ICST Mobilight proceedings (available
through Springer LNICST).

The 2nd International Workshop on Multimode Wireless Access Networks (MoWAN 2011) will be held at Bilbao, Spain, on May 9, 2011. The workshop aims to bring together the technologists and researchers who share interest in the area of the emerging broadband wireless and mobile networks, with particular focus on multimode wireless access networks and supporting physical and MAC layer technologies. This workshop builds upon the successful first edition which was collocated with the ICST Broadnets 2010 conference.

The convergence of the third generation (WCDMA/GSM/HSPA) wireless network standards into the 4G LTE wireless network standard and the interoperation with complementary wireless access technologies like WiMAX, WiFi etc., open considerable challenges to the development of next-generation base stations and access gateways that can support current 3G technologies as well as next-generation standards. In this direction, the future of broadband wireless access networks is moving towards a distributed peer-to-peer and heterogeneous architecture incorporating multiple access technologies into multimode access points. This decentralised architecture opens new challenges with respect to scalability, interference, seamless cooperation between Radio Access Technologies, security etc. In that sense, application of low-cost smart antennas, innovative cross layer architectures and cooperative mechanisms are some of the solutions which allow improving the system capacities, scalability and security challenges in next generation multimode wireless mesh networks.

The main purpose of the workshop is to promote discussions on recent advances in the analysis design and implementation of systems, protocols and services for next generation multimode wireless access networks. Authors are invited to submit original unpublished manuscripts that demonstrate current research in all areas of wireless multimode access networks, and their applications in scientific, engineering and commercial areas.

Topics of interest include but are not limited to:

- Multimode wireless access architectures
- Interworking architecture and interoperability
- Relay-assisted and cooperative communications
- Location and mobility management
- Multicarrier and multiuser communications
- Cross-layer optimization in multimode communications
- Antennas for beam forming and diversity
- Multi-antenna terminals and channel measurements
- Spatial channel modeling
- Beam forming and source localization
- Space-time processing and coding
- MIMO Systems
- Link, system and network level simulations
- Hard- and software implementation issues
- Wireless Positioning and Tracking Systems
- Wireless Ubiquitous Networks

Further details about the workshop, as well as submission guidelines are available at the workshop website at: <http://www.mobilight.org>.

