



IEEE International Conference on Communications
23-27 May 2016 // Kuala Lumpur // Malaysia
IEEE ICC'16: Communications for All Things



Workshop on Fiber-Wireless Integration

Scope of the Workshop

Optical and wireless systems, which in the past developed as separate network entities with a few standard interfaces, have entered a new phase of development as fully integrated networks. To provide high bandwidth and reliable service for both fixed and mobile users, a well-designed network must take into account both optical and wireless transmission, with efficient allocation of resources and satisfaction of QoS requirements within this hybrid network environment. This half-day workshop will bring together researchers and developers with presentations on topics including:

Integration of emerging standards

- Collaborative-RANs (C-RAN)
- Common Public Radio Interface (CPRI)
- Open Base Station Architecture Initiative (OBSAI)
- Femtocells (FEMnet)
- Cooperative multipoint (CoMP)
- 60GHz and E-band Communications

Architectures and Techniques

- Novel RoF architectures
- Analog and digital radio over fiber
- Next-generation Mobile Backhauling
- Fixed-mobile interface integration
- Integration with NG-PON
- Optical Technologies

Network Integration

- Optical backhaul from base stations
- Mobility issues, network protocols and admission control
- Wireless/wired seamless networking
- Enabling techniques for RoF systems

Operations and Management

- Quality-of-service support
- Radio capacity management in RoF
- Joint radio/optical resource management
- New Business models and opportunities

Energy consumption and efficiency

Wireless protective overlays

Optical-wireless ad-hoc networks for emergency and first responder communications

Submission Guidelines:

This Workshop accepts only previously unpublished papers in the area of Optical/Wireless Access Networks submitted in the 5-page IEEE conference style paper (including all text, figures, and references) through the EDAS submission system (<http://www.edas.info>). Accepted papers must be presented at the workshop by one of the authors with the presenter registering for the workshop before the deadline given for author registration. Failure to register before the deadline will result in automatic withdrawal of the paper from the workshop proceedings and the program. All papers (oral session and demonstrations) selected for publication will be published together with IEEE ICC 2016 proceedings and will be available on the IEEE eXplore database.

Important Dates:

Workshop June 2016

Paper submission deadline: 4 December 2015

Notifications of Acceptance: 21 February 2016

Final paper ("camera-ready"): 7 March 2016

Chairs:

Wai-Pang Ng, Northumbria University

John Mitchell, UCL

www.icc-opticalwireless.org