

**Call for Papers for
Workshop on Fiber-Wireless Integration**

Workshop Co-Chairs

Wai-Pang Ng

Northumbria University, UK

John Mitchell

University College London, UK

Gangxiang (Steven) Shen

Soochow University, P. R. China

Martin Maier

Institut National de la Recherche Scientifique (INRS), Montreal, Canada

<http://icc2016.ieee-icc.org/cfw>

Scope

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 across a wide range of topics.

Topics of Interest

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

Important Dates

Paper submission deadline: December 4, 2015

Acceptance notification: February 21, 2016

Camera-ready paper: March 13, 2016