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