IEEE GLOBECOM 2015
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EXHIBITION & INDUSTRY FORUM
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◆IEEE

IEEE GLOBECOM Workshop on Millimeter-Wave Backhaul and Access: From Propagation to Prototyping (mmWave 2015), in conjunction with IEEE GLOBECOM 2015
https://sites.google.com/site/globecom2015mmwave/

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Call for Papers
Nowadays, there are a lot of interests on millimeter-wave (mmWave) wireless systems to be used for advanced wireless backhaul networking and next-generation wireless systems. This workshop will be organized to discuss about the related research topics in conjunction with the 2015 IEEE Global Communications Conference (GLOBECOM) in San Diego, California, USA, December 6 – 10, 2015. The proceedings of this workshop will be a collection of outstanding technical research papers covering novel and recent research results with various range of ingredients within mmWave backhaul and access systems. This workshop will provide an opportunity for discussing and exchanging ideas for future generation mmWave research directions and incubation.

The topics of interest for the workshop include, but are not limited to:
- mmWave radio propagation
- mmWave channel measurements and models
- Channel estimation technologies for mmWave backhaul and access systems
- Hybrid precoding methods for mmWave backhaul and access systems
- Advanced antenna and radio frequency techniques for mmWave backhaul and access systems
- Backhaul and access network requirements and limitation
- Higher capacity backhaul/fronthaul networks and architectures for densely deployed small-cell networks
- Standardization activities, e.g., MiWEBA, WiGig, IEEE 802.11ad, NG60, 5G
- Multi-user multiple-input-multiple-output (MU-MIMO) technologies
- Advanced beam forming, training, and tracking schemes for mmWave backhaul and access systems
- Advanced signal processing techniques for mmWave backhaul and access systems
- Medium access control methods for mmWave backhaul and access systems
- Energy-efficient techniques for mmWave backhaul and access systems
- Mobility support methods for mmWave backhaul and access systems
- Embedded prototyping for mmWave backhaul and access systems
- Emerging applications for mmWave backhaul and access systems

The schedules of this workshop are as follows:
- Submission deadline: July 1, 2015
- Acceptance notification: September 1, 2015
- Final workshop papers due: October 1, 2015

All final submissions should be written in English with a maximum paper length of six (6) printed pages (10-point font) including figures without incurring additional page charges (maximum 1 additional page with over length page charge of USD100 if accepted). Papers exceeding 7 pages will not be accepted at EDAS. Standard IEEE conference templates for LaTeX formats are found at here:
http://www.ieee.org/conferences_events/conferences/publishing/templates.html
You may also use one of the following templates for Microsoft Word: A4, US letter. Only PDF files will be accepted for the review process, and all submissions must be done through EDAS.
If you have any questions regarding the submission of manuscripts, please contact Joongheon Kim (TPC Chair), joongheon.kim@intel.com

Highlights
Invited speaking given by world-leading researchers in the field.
- **Carlos Cordeiro** (Principal Engineer at Intel Corporation, USA)
- **Jeongho Park** (Principal Engineer at Samsung Electronics, Korea)