

IEEE 5G Summit at IMS2018,

Philadelphia Convention Center

Tuesday, June 12, 2018

Morning Session:

- 08:00-08:05** Welcome and 5G Summit Overview: **Debabani Choudhury**, Intel Labs
- 08:05-08:15** 'Overview on 5G and Beyond', **Ashutosh Dutta**, IEEE 5G Initiative; Johns Hopkins
- 08:15-08:55** 'Bringing the World Closer Together', **Jin Bains**, Facebook
- 08:55-09:35** '5G Innovation and Challenges', **David Lu**, AT&T Labs
- 09:35-09:50** **Coffee Break**
- 09:50-10:30** '5G Spectrum Policy Issues', **Michael Marcus**, Marcus Spectrum Solutions
- 10:30-11:10** 'Millimeter-wave technology and research trends for 5G Access and Wireless Transmission applications - An industry view', **Christian Mazzucco**, Huawei
- 11:10-11:50** '5G Automotive Challenges and Opportunities', **Timothy Talty**, General Motors

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Lunchtime 5G Panel

Time: 12:00-12:55pm

mmWave Radios in Smartphones: What they will look like in 2, 5 and 10 years

Moderators:

Dylan Williams, NIST

Paul Khanna, NI

Panelists:

Walid Ali Ahmad, Facebook

Farshid Aryanfar, Compound Waves

Harish Krishnaswamy, Columbia University

Tim LaRocca, Northrop Grumman

Joy Laskar, Maja Systems

Devereux Palmer, Lockheed Martin

Gary St. Onge, Anokiwave

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Afternoon Session:

- 13:00-13:40** 'GaN-on-Silicon Transcendent – Enabling The Cost, Integration, and Affordability Challenges to Make 5G a Reality', **Timothy Boles**, MACOM
- 13:40-14:20** 'RFSOI Technology solutions that enable Connected Intelligence through a Complete 5G Platform Solution', **Shankaran Janardhanam**, Global Foundries
- 14:20-15:00** 'Mm-Wave Power Amplification, Full-Duplex, and Autonomous Beam-Forming — The Unreasonable Quest for “Perfect” 5G Mm-Wave Front-Ends and Some Reasonable Solutions', **Hua Wang**, Georgia Tech
- 09:35-09:50** **Coffee Break**
- 15:15-15:50** 'Using Software-Defined Approach to Address 5G Research, Prototype and Test', **Charles Schroder**, National Instruments
- 15:50-16:30** 'mmWave in 5G Commercial Wireless: What Do You Need to Measure?', **Roger Nichols**, Keysight
- 16:35-17:15** '5G testbed as Service', **Ivan Seskar**, Rutgers University