ISART 2017

Spectrum Mining at Millimeter Waves

Tuesday, August 15

Morning: CSMAC & WSRD Meetings

8:00 to 11:00 **CSMAC Meetings**

PoC Dave Reed

11:15 to 1:45 **WSRD Meetings**

PoC Wendy Wigen

Afternoon: Tutorial

12:00-6:00 **Registration**

2:00-6:00 **Tutorial – Millimeter Waves - Regulatory and Policy Perspective** Rebecca Dorch, NTIA/ITS; Audrey Allison, Boeing; Andrea Goldsmith, Stanford University; Derek Khlopin, NTIA/OSM; Julius Knapp, FCC/OET; Brian Regan, Starry

Wednesday, August 16

8:00 **Welcoming Address**

8:30 **Keynote – Tom Power, CTIA Senior Vice President and General Counsel**

Millimeter Waves: What's at Stake? A 3-Way Perspective: Mobile Broadband, Satellite and Unlicensed

9:30 BREAK

10:00 to 12:00 **Panel #1 – Millimeter Wave High-Speed Data Links: a Mobile Backhaul Perspective**

Moderator: Todd Martin, Shared Spectrum Company

12:00 to 1:30 LUNCH

1:30 **Invited Talk #1 – Rangam NTIA/OSM – "Policy Innovation for the Millimeter Wave Ecosystem"**

2:00 **Invited Talk #2 – Mike Marcus – "Opening Parts of 95-450 GHz to Civil Use: Opportunities and Sharing Challenges"**

2:45 BREAK

3:15 to 5:00 **Panel #2 – Millimeter Waves - Standards Perspective**

Moderator: Jean-Aicard Fabien, NTIA/ITS

8-5 **Technology Demos & Student Posters**

Thursday, August 17

8:30 **Welcome**

8:45 **Invited Talk #3 – Philip Vigneron, CRC – "Millimetre Waves: Modelling and Simulation to Engineer for Coverage"**

9:30 BREAK

10:00 to 12:00 **Panel #3 – Millimeter Waves - Measurements and Modeling Perspective**

Moderator: Jeanne Quimby, NIST/CTL

12:00 to 1:30 LUNCH

1:30 **Invited Talk #3 - Paul Tilghman, DARPA – "The Spectrum Collaboration Challenge"**

2:00 **Invited Talk #4 – Kate Remley, NIST/CTL – "Measurements Challenges for 5G and Beyond"**

2:30 BREAK

3:00 to 5:00 **Panel #4**

5G/Millimeter Wave Capacity Improvements - Systems Perspective

Moderator: Chris Anderson, U.S. Naval Academy

8-5 **Technology Demos & Student Posters**