

3rd mmW RCN Workshop
Jan 18-19, 2018
U. Arizona, Tucson

Panel 1: State of mmW Technology and Outlook: A View from Industry

Moderator: Ismail Guvenc (NC State)

Panelists: Vasanthan Raghavan (Qualcomm), Amitava Ghosh (Nokia Bell Labs), Sarah Yost (National Instruments), Andrew Thornburg (AT&T)

Format: Moderator opening remarks (5 min); panelists opening remarks (3-5 minutes each), followed by panel discussion and audience questions.

Discussion Questions to Seed the Panel Discussion:

- What are the new advancements and emerging challenges in the last 6-12 months?
- What are the implications of the first 5G NR specification?
 - When/how we will see deployments, equipment, SDRs?
 - What is the 3GPP agenda on mmWave for the upcoming releases?
- What are your views on mmWave verticals/use cases, e.g.:
 - URLLC (next in 3GPP agenda?)
 - Unmanned aerial vehicles (new 3GPP technical report in Dec. 2017)
 - Vehicular-to-X and autonomous vehicles
 - Integrated communications/sensing/localization/radar
 - Integrated backhaul and access
 - Machine learning
- What are the key research challenges/problems that academia may contribute? Roles of modeling, analysis, experiments, simulations?