



PANEL SESSION: OPPORTUNITIES AND CHALLENGES OF THE BIGGEST SPECTRUM OPENING IN HISTORY FOR NEW SERVICES IN THE 24–450 GHz RANGE



12:15–13:15 | Thursday, 8 June 2017
Hawai'i Convention Center: 313C

Organizers: Michael Marcus, *Virginia Tech*; Ferdo Ivanek, *Stanford University*

Abstract:

This lunchtime panel focuses on the ITU-R work in progress toward the adoption of new frequency allocations by the World Radio Conference 2019 (WRC-19) that vastly surpass all existing allocations. Two spectrum ranges of interest to MTT-S are targeted by WRC-19:

- **24.25–86 GHz** for the future development of International Mobile Telecommunications 2020 (IMT 2020) and beyond
- **275–450 GHz** for terrestrial fixed and mobile allocations, as well as for passive services

In addition, for the US case, the FCC is now seeking suggestions for types of radio systems to use spectrum above 95 GHz and share with many passive uses in much of that spectrum. The panel presents and assesses the opportunities and challenges of these developments of vital interest to MTT-S.

Moderator: Michael Marcus, *Virginia Tech*

Panelists:

- Ho-Jin Song, *Pohang University of Science and Technology*
- Iwao Hosako, *National Institute of Communications Technology*
- Hiroyuki Atarashi, *NTT-DOCOMO*
- Takao Inoue, *National Instruments*

