Detailed Technical Program

Wednesday 5th February 2020

13:30 – 14:00	Registration / Welcome / Introduction
14:00 – 14:45	Antennas to Support mmw and THz Communication Systems **Dr. Emile de Rijk** (SWISSto12 S.A.)
14:45 – 15:30	Dielectric Properties of Materials at THz and sub-THz Frequencies **Dr. Mira Naftaly** (National Physical Laboratory)
15:30 – 16:00	Coffee Break
16:00 – 16:45	Opening the THz-Spectrum for Communications in 5G and Beyond **Dr. Florian Pivit** (Nokia Bell Labs)
16:45 – 17:30	Sub-THz Chance: a Building Block to create the Beyond-5G Technology **Dr. Laura Resteghini** (Huawei Technologies)

Thursday 6th February 2020

09:15 – 10:00	Development of Test & Measurement Instrumentation for 5G and Beyond **Dr. Jeffrey Hesler** (Virginia Diodes)
10:00 – 10:30	Coffee Break
10:30 – 11:15	Towards THz Oscillators on Chip – The Magnetic Options **Prof. Plamen Stamenov** (Trinity College Dublin)
11:15 – 12:00	THz-frequency Magnetic Resonance **Dr. Marcin Bialek** (Swiss Federal Institute of Lausanne)
12:00 – 13:30	Lunch Break
13:30 – 14:15	Ground and Space Based Remote Sensing Instruments to Characterize the Atmospheric Attenuation and Delay for THz Telecommunications **Dr. Bertrand Thomas** (Radiometer Physics GmbH)
14:15 – 15:00	Wireless Networks Empowered by Non-orthogonal Multiple Access and AI **Dr. Panagiotis Diamantoulakis** (Aristotle University of Thessaloniki)
15:00 – 15:30	Coffee Break
15:30 – 16:15	Benefits of Reduced Insertion Loss for mmw over Temperature Wafer Test **Gavin Fisher** (Form Factor)
16:15 – 17:00	Dielectric Measurements at mmw Frequencies with the MCK **Dr. Alexandre Dimitriades** (SWISSto12 S.A.)

Friday 7th February 2020

09:15 – 10:00	International Spectrum Management – Basics and State **Dr. Vadim Nozdrin** (International Telecommunication Union)
10:00 – 10:30	Coffee Break
10:30 – 11:15	Advances in Millimeter Wave and Terahertz Applications **Suren Singh** (Keysight Technologies)
11:15 – 12:00	Transceiver Technologies for THz Applications **Dr. Karam Noujeim** (Anritsu)
12:00 – 12:15	Closing / Conclusions / Feedback
12:15 – 13:30	Goodbye Apéro / Networking