



1st TEMMT Training Course (online)

Organizer: PTB, Braunschweig, Germany
Date: 21 July 2021
Time: 9:00 hours to 13:00 hours (CEST)

Free to attend but registration is required!
 For information and registration, please contact gia.phung@ptb.de.

This event is sponsored by the European Metrology Programme for Innovation and Research Project 'TEMMT - 18SIB09' (<http://projects.lne.eu/jrp-temmt/>). The event is an informal seminar and free to attend. The seminar will feature oral presentations about recent developments and research results of the project.

TRAINING COURSE PROGRAM

09:00 - 09:10	Welcome	Uwe Arz, PTB
09:10 - 09:20	Introduction to TEMMT	Xiaobang Shang, NPL
09:20 - 10:00	WP 1: Establishing traceability to 90 GHz for the 1.35 mm precision coaxial connector	Speaker 1: Daniel Stokes, James Skinner, Nick Ridler, NPL
10:00 - 10:30	WP 2: Guidelines for the design of calibration substrates, including the suppression of parasitic modes, influence of microwave probes and crosstalk effects up to W-band	Speaker 2: Gia Ngoc Phung, PTB
10:30 - 10:50	WP 2: Nanorobotic on-wafer probe station under scanning electron microscope	Speaker 3: Kamel Haddadi, University of Lille
10:50 - 11:05	Coffee Break	
11:05 - 11:30	WP 3: Calibration of RF power at D-Band	Speaker 4: Gia Ngoc Phung, PTB
11:30 - 11:50	WP 3: Design of D-band thin-film power sensor	Speaker 5: Yi Wang, University of Birmingham
11:50 - 12:20	WP 4: Millimetre-wave characterisation of dielectric materials using a guided free-space technique	Speaker 6: Xiaobang Shang, Nick Ridler, NPL
12:20 - 12:50	WP 4: THz broadband spectroscopy: instrumentation and performance	Speaker 7: Mira Naftaly, NPL
12:50 - 13:00	Panel Session: Lessons learned and future opportunities and challenges	All speakers