

TEMMT Project Training Course Agenda

This event is sponsored by the European Metrology Programme for Innovation and Research program 18SIB09 TEMMT project (<http://projects.lne.eu/jrp-temmt/>). The course will include seven oral presentations about some research outputs of TEMMT project and one open discussion session.

Date: Wednesday 13 July 2022, 8:00-12:10 BST or 9:00-13:10 CEST

Format: Virtual via Microsoft Teams (Teams link will be provided to registered attendees 3 days before the event)

Registration: Email Caroline Webber (caroline.webber@npl.co.uk) with your names and affiliations to register for this **FREE** course. All are welcome.

Training Course Agenda

Time (BST)	Details	Who	Duration
08:00	Welcome & Introduction to TEMMT project	Xiaobang Shang (NPL)	15 minutes
08:15	Improvements to traceability for waveguide S-parameter measurements at submillimetre-wave frequencies	Nick Ridler (NPL)	25 minutes
08:40	Improvements to traceability for coaxial S-parameter measurements at millimetre-wave frequencies	Daniel Stokes (NPL)	25 minutes
09:05	Guidelines for performing accurate on-wafer measurements including the suppression of parasitic effects	Uwe Arz & Gia Ngoc Phung (PTB)	55 minutes
10:00	Break		10 minutes
10:10	Microfabrication of THz on-wafer calibration kits and nanorobotics on-wafer probing station	Kamel Haddadi & Isabelle Roch-Jeune (University of Lille)	25 minutes
10:35	Technologies for material spectroscopy at THz frequencies	Mira Naftaly (NPL)	35 minutes
11:10	Thin-film power sensors as transfer standard	Yi Wang (University of Birmingham)	25 minutes
11:35	Traceable power characterization from 110 GHz to 170 GHz	Murat Celep (NPL)	25 minutes
12:00	Open discussion	All speakers and attendees	10 minutes