
ThermoSI – FunSNM Workshop

Advances in industrial thermometry & Enhancing sensor network metrology for industry and digitalization

Date: 6 May 2026

Location: Online, please register [here](#)

Organisers: NPL, DTI, VTT

Session 1

Chair: Henrik Kjeldsen

Time (CET)	Speaker		Title
10:00 – 10:10	Jonathan Pearce	NPL	Introduction to 'Thermometry with embedded SI traceability for industrial applications' (ThermoSI)
10:10 – 10:30	Ingmar Müller	PTB	SI-traceable thermal imaging
10:30 – 10:50	Christian Krause	PTB	Practical Johnson noise thermometry
10:50 – 11:10	Gavin Sutton	NPL	Practical phosphor thermometry for surface temperature measurements up to 1250 °C
11:10 – 11:30	Alexander Fateev	DTU	AI approaches to thermometry – gas temperature, self-validating thermocouples, surface thermometry

Session 2

Chair: Shahin Tabandeh

Time (CET)	Speaker		Title
11:50 – 12:10	Shahin Tabandeh	VTT	Introduction to 'Fundamental principles of sensor network metrology' (FunSNM)
12:10 – 12:30	Peter Friis Østergaard	DTI	Optimisation of district heating networks
12:30 – 12:50	Jonathan Pearce	NPL	Correcting for drift of Pt-Rh thermocouples using an integrated network of Pt-Rh sensors
12:50 – 13:10	Tuukka Mustapää	Beamex	Digitalization and what it means for you

13:10-13:30 Round table and closing remarks