

Session Program

29 June 2026 to 3 July 2026



The 18th International Conference on Quantitative InfraRed Thermography

Calibration & Metrology

University of Naples Federico II Conference Center
Via Partenope, 36, Naples, Italy

Tuesday 30 June

11:10

Calibration & Metrology: Part I

Session | Location: Room B

11:10-11:30

Measurement of the normal spectral absorptivity of liquid metal at the wavelength of the heating laser through infrared pyrometry

Speaker

Thomas PIERRE

11:30-11:50

Study and comparison of uncooled IRFPA cameras dynamic performances using a newly designed rotating-aperture thermal target test bench

Speaker

Dr BOUALEM MERAINANI

11:50-12:10

Spectrally selective IR thermography for quantitative temperature measurement on ultra-thin rPET films

Speaker

Dr Rémi Gilblas

12:10-12:30

Optical characterization of redox materials at high temperatures in reactors for solar-thermochemical hydrogen production

Speaker

Hanna Lina Pleteit

12:30-12:50

Non-uniformity Correction DRM - Towards Traceable Thermal Imaging with Uncertainty Budgets for Non-Uniformity Corrected Thermal Imagers

Speaker

Ingmar Mueller

12:50

Wednesday 1 July

14:10

Calibration & Metrology: Part II

Session | Location: Room A

14:10–14:30

Modeling the Size-of-Source Effect in Thermography Using a Measured MTF Extended by a Parametric Scattering Model

Speaker

Jannik Ebert

14:30–14:50

Micro-thermoreflectometry applied to in-situ monitoring of changes in the thermo-optical properties of high-performance alloys during high-temperature oxidation

Speaker

Joan Delpech

14:50–15:10

Entropy-based assessment of fatigue damage in metallic components

Speaker

Prof. Ryohei Fujita

15:10–15:30

Beyond classical Blackbodies: VIS-NIR Thermal Calibration for PBF-LB/M

Speaker

Tina Walter

15:30–15:50

Assessment of Emissivity and Temperature Determination for Space Materials Re-entry Qualification Using Novel Infrared Methodologies

Speaker

Mario De Cesare

15:50

Thursday 2 July

09:40

Calibration & Metrology: Part III

Session | Location: Room A

09:40–10:00

Multi-spectral infrared and emissivity measurements on two tiny cities scale one mock-up in controlled climatic conditions and uncontrolled natural environment

Speaker

Dr Jean Dumoulin

10:00–10:20

Thermal Eyes in the Sky: UAV-Based Energy Audits of Building Envelopes

Speaker

Phalguni Mukhopadhyaya

10:20–10:40

Towards a Digital Calibration Certificate (DCC) for infrared thermography cameras

Speaker

Dr David Urban

10:40

Friday 3 July

10:00

Calibration & Metrology: Part IV

Session | Location: Room A

10:00–10:20 **Periodical checks for industrial applications of active thermography**

Speaker

Samuel Maillard

10:20–10:40

A calibration procedure for liquid-crystal thermography applied in water flows

Speaker

Delphine Laboureur

10:40–11:00

First approach of IR camera calibration dedicated to NDT Application

Speaker

Jean-Nicolas Frouart

11:00