

## **Session Program**

**29 June 2026 to 3 July 2026**



# **The 18th International Conference on Quantitative InfraRed Thermography**

## **Thermophysics/Photothermal**

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

## Tuesday 30 June

16:10

### Thermophysics/Photothermal: Part I

Session | Location: Room A

16:10-16:30

#### Bayesian inference for the simultaneous estimation of thermal properties of orthotropic materials

**Speaker**

Thomas PIERRE

16:30-16:50

#### THREE-DIMENSIONAL (3D) TENSOR-BASED METHODOLOGY FOR CHARACTERIZING 3D ANISOTROPIC THERMAL CONDUCTIVITY TENSOR

**Speaker**

Dr Heng Ban

16:50-17:10

#### Thermal effusivity as a proxy for porosity in L-PBF AlSi10Mg: a preliminary bi-layer pulsed laser thermography study

**Speaker**

Giuseppe Dell'Avvocato

17:10-17:30

#### Experimental and numerical study of anomalous heat dissipation under deformation in laser-shock-peened specimens

**Speaker**

Dr Anastasia Iziumova

17:50

## Friday 3 July

10:00

### Thermophysics/Photothermal: Part II

Session | Location: Room B

10:00-10:20

#### Towards multi-parameter thermal characterization using single-test laser spot thermography

**Speaker**

Giuseppe Dell'Avvocato

10:20-10:40

#### Estimation of normal spectral emissivity of CeO<sub>2</sub> ceramic at high temperatures

**Speaker**

Aouali Abderezak

10:40-11:00

#### Visualizing fundamental microwave resonances in aqueous spheres with thermography

**Speaker**

Aaron Slepkov

11:00