

Session Program

29 June 2026 to 3 July 2026



The 18th International Conference on Quantitative InfraRed Thermography

Industrial Application

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

Tuesday 30 June

16:00

Industrial Application: Part I

Session | **Location:** Room B | **Convener:** Phalguni Mukhopadhyaya

16:00-16:20

On the use of TeraHertz for local water content measurement applied for food product

Speaker

Alain Sommier

16:20-16:40

Smart Predictive Monitoring of Aeronautical Thermal Systems through Infrared Thermography

Speaker

Pablo Venegas

16:40-17:00

Infrared Thermography for Zero-Defect Manufacturing: Implementation and Lessons Learned from the Horizon Europe openZDM Project

Speaker

Vittoria Medici

17:00-17:20

Multi Harmonic Infrared Thermal Tomography for Semiconductor Packaging Failure Analysis based on Electro-Thermal Feedback

Speakers

Feng Yang, Prof. Junyan Liu

17:20

Wednesday 1 July

16:00

Industrial Application: Part II

Session | **Location:** Room B | **Convener:** Jean-Christophe Batsale

16:00-16:20

High speed infrared microscopy for semiconductor wafer probe heads

Speaker

Beate Oswald-Tranta

16:20-16:40

Electrothermal Modelling of Totem-Pole PFC Converter

Speaker

Rafał Kasikowski

16:40-17:00

Efficiency of Power Conversion and Power Loss Estimation of Totem-Pole PFC Converter Based on IR Thermography

Speaker

Rafał Kasikowski

17:00-17:20

Experimental and numerical strategies for damage detection of aeronautical composite parts by robotised line-scan thermography

Speaker

Georges Giakoumakis

17:20

Thursday 2 July

11:10

Industrial Application: Part III

Session | **Location:** Room B | **Convener:** Ludovic Gaverina

11:10-11:30

Thermography-Guided Optimization of Laser Sintering of Copper-Based Conductive Lines on ITO-coated Silicon Substrate

Speakers

Prof. Ranganathan Kumar, Eduardo Castillo-Orozco

11:30-11:50

Measurement of contact temperature during resistance spot welding : correction of size source effect

Speaker

Dr Rémy Ndoumou

Location

Room B

11:50-12:10

Application of Remote FTIR Spectroscopy for Quantitative Assessment of Methane Emissions from Industrial Flares

Speaker

Dr Mariusz Kastek

Location

Room B

12:10-12:30

Analyzing the condition of railway track using infrared thermography

Speaker

Katarina Vranešić

Location

Room B

12:30-12:50

Active thermography with inductive excitation applied to landing gear components

Speakers

Fethi Dahmene, Samuel Maillard

Location

Room B

12:50