

Session Program

29 June 2026 to 3 July 2026



The 18th International Conference on Quantitative InfraRed Thermography

Image & Data Processing

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

Tuesday 30 June

14:10

Image & Data Processing: Part I

Session | **Location:** Room B | **Convener:** Ester D'Accardi

14:10–14:30

Three-dimensional temperature imaging in semi-transparent media using infrared thermotransmittance laminography

Speaker

Stéphane Chevalier

14:30–14:50

Thermal characterisation by Scanning Photothermal Radiometry using a random undersampled measurement scheme

Speaker

Florian Crouau

14:50–15:10

Generic open-source frameworks to integrate and control infrared sensors : from laboratory standard experiments to real field measurements

Speaker

Thibaud Toullier

15:10–15:30

Global Infrared Satellite Pyrometry at Night

Speaker

Christopher Elvidge

15:30

Wednesday 1 July

14:10

Image & Data Processing: Part II

Session | **Location:** Room B | **Convener:** Thibaud Toullier

14:10–14:30

A Portable System for Real-Time Short-Range 3D Thermal Digitization of Objects

Speaker

Alvaro A. Mora

14:30–14:50

Quantifying evaporation rates of volatile pollutants in seawater using a high-frequency infrared multispectral camera.

Speaker

Julie Dumas

14:50–15:10

UAV-based thermal and multispectral data for maize bioindication in agronomic and contaminated scenarios

Speaker

Massimiliano Gargiulo

15:10–15:30

Thermal Imaging Reimagined: Integrating Transient Dynamics and Measurement Uncertainty into Thermograms

Speaker

Valentina Stanić

15:30

Thursday 2 July

09:40

Image & Data Processing: Part III

Session | Location: Room B | Convener: Christopher Elvidge

09:40-10:00

Beyond the Muzzle Flash: RGB-IR Fusion for Firearm Discharge Analytics

Speaker

Lucas Westfal

10:00-10:20

Accelerated active infrared thermography using GPUs and edge computing device

Speaker

Dr Pablo Venegas

10:20-10:40

Infrared Thermography Methodology for Reusable Space Re-entry: Assessment of the Novel CMC ISiComp TPS

Speaker

Mr Giovanni Santonicola

10:40