

Session Program

29 June 2026 to 3 July 2026



The 18th International Conference on Quantitative InfraRed Thermography

Biomedical

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

Tuesday 30 June

14:10

Biomedical: Part I

Session | Location: Room A

14:10-14:30

15 years of Experience in using Thermal Imaging as a Diagnostic Tool in a Phlebologic Clinic

Speaker

Florian Dr. Netzer

14:30-14:50

Role of infrared thermography in preoperative assessment of vascular access

Speaker

Ms Giulia D'Ambrosio

14:50-15:10

Simulating tissue heating during closed-loop thermography-controlled diode-laser stimulation

Speakers

Mr Ken Steffen Frahm, Prof. Lars Arendt-Nielsen

15:10-15:30

Feasibility of Thermal Tomography for Medical Applications: Experimental Considerations

Speaker

Mrs Anna Frixou

15:30-15:50

Automated Phenotyping of Palm-to-Finger Thermal Gradients

Speaker

Dr Oshrit Hoffer

15:50

Wednesday 1 July

11:10

Biomedical: Part II

Session | Location: Room A

11:10-11:30

Detecting asymmetries, discomfort and injuries with infrared thermography

Speaker

Gunther Steenackers

11:30-11:50

Transfer Learning-Based Classification of Alzheimer's Disease Using Thermal Imaging Spectrograms and EfficientNet-B0

Speaker

Arcangelo Merla

11:50-12:10

Non-invasive Thermal IR Screening for Medical Assessments with a Radiometrically Calibrated Uncooled Camera

Speaker

Dr Ben Saute

12:10-12:30

Infrared thermography in perforator monitoring during FLAP breast reconstruction procedures

Speaker

Mariusz Kaczmarek

12:30-12:50

Assessing Vascular Changes in Experimental Itch using IR-thermography, OCTA, and FLPI

Speaker

Prof. Lars Arendt-Nielsen

12:50

16:20

Biomedical: Part III

Session | Location: Room A

16:20-16:40

Predicting deep body temperature with QIRT: HELIA study

Speaker

Dr Riccardo G. Sorrentino

16:40-17:00

Deep Learning-Based RGB Color Normalization for Enhanced Thermal Consistency in Breast Infrared Thermography: A Comparative Study

Speaker

Mr Juan cristobal Espinoza Rodas

17:00-17:20

Skin pathology characterization by infrared thermography

Speaker

Gunther Steenackers

17:20–17:40

Assessment of Abductor Pollicis Brevis Muscle Responses to Cold Stress using IR Thermography and Myotonometry

Speaker

Mr Abduselam Endris Hassen

17:40

Friday 3 July

11:30

Biomedical: Part IV

Session | Location: Room B

11:30-11:50

The role of quantitative IRT in space medicine: current evidence and perspectives

Speaker

Dr Riccardo G. Sorrentino

11:50-12:10

The usage of Infrared Thermal Imaging along with other medical imaging methods on breast cancer patients

Speaker

Prof. Ricardo Vardasca

12:10-12:30

Detecting Carotid Atherosclerotic Disease from Skin Thermal Signatures: A Combined Multiphysics and Deep Learning Approach

Speaker

Francesco Romano

12:30