



CONFERENCE PROGRAM

WEDNESDAY, 24th JUNE 2026

- 14:00 - 15:00 Registration
- 15:00 - 16:30 Introduction and welcome
- HEALTH BEYOND EARTH: SPACE MEDICINE AND TECHNOLOGIES**
- 16:30 - 17:00 Prof. Carlo Saverio IORIO - Université libre de Bruxelles
To be defined
- 17:00 - 17:30 Prof. Emiliano BIASINI - Zeprion space mission
Zeprion II: Automated Microgravity Crystallization for Structural Characterization of Non-Native Protein Targets
- 17:30 - 18:00 Dr. Leonardo SURDO - ICE Cubes service
The ICE Cubes Service: Advancing Space R&D through Modular Microgravity Access
- 18:00 - 18:30 Prof. Alessandro PACCAGNELLA - University of Padua
Semiconductors and space: two intertwined stories
- 18:30 - 20:00 WELCOME APERITIF

THURSDAY, 25th JUNE 2026

NEXT-GEN DEVICES: INTEGRATING COMPLEX SYSTEMS

- 09:30 - 10:00 Dr. Anton HOFMEISTER - ST Microelectronics
MEMS Sensors enhancing human perception in our daily lives
- 10:00 - 10:20 *To be assigned*
- 10:20 - 10:40 Dr. Oliver VANDERPOORTEEN - Arctic University of Norway
NANOSPACER: A scalable fluidic platform for open-source NTA analysis at single molecular level
- 10:40 - 11:20 COFFEE BREAK + POSTER SESSION
- 11:20 - 11:50 Dr. José Louis GARCIA CORDERO - Roche
Leveraging microtechnologies to automate and scale organoid culture
- 11:50 - 12:10 Dr. Rebeca MARTINEZ VAZQUEZ - CNR IFN
Femtosecond laser processing of a microfluidic device for 3D spheroids development
- 12:10 - 12:30 Prof. Sanne ABELN - Utrecht University
Learning to understand complex biosystems with AI
- 12:30 - 14:00 LUNCH BREAK

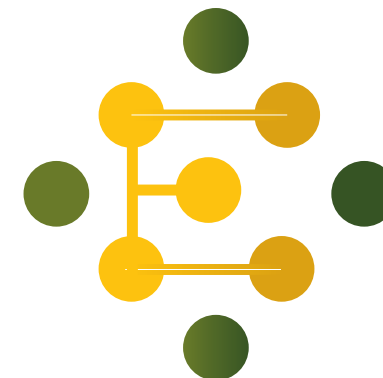
ADVANCED SENSORS AND FUNCTIONALIZATION

- 14:00 - 14:30 Prof. Christophe CAUCHETEUR - University of Mons
Plasmonic Fiber Grating Biosensors: From Concept to Application
- 14:30 - 14:50 Dr. Silvia ROMANO - CNR ISASI
Bound States in the Continuum in Nanophotonic Metasurfaces for Advanced Biomedical Sensing and Light-Matter Control
- 14:50 - 15:10 Matteo Agostini - INTA CEO & co-founder
To be defined
- 15:10 - 15:50 COFFEE BREAK + POSTER SESSION
- 15:50 - 16:20 Prof. Sergey PILETSKY - University of Leicester
Abiotic diagnostics based on molecularly imprinted polymers
- 16:20 - 16:40 Prof. Alessandro PORCHETTA - University of Roma Tor Vergata
Engineering DNA-controlled CRISPR systems for Enzyme Activity Monitoring
- 16:40 - 17:00 Prof. Fabio DI NARDO - University of Turin
Recent strategies to improve the lateral flow assays: labels, molecular recognition elements, detection, and sequential experimental design

FRIDAY, 26th JUNE 2026

SMART MATERIALS FOR BIOMEDICINE

- 09:30 - 10:00 Prof. Teresa PELLEGRINO - IIT
To be defined
- 10:00 - 10:30 Prof. Silvia GIORDANI - University of Dublin
Carbon nano-onions: chemistry and biomedical applications
- 10:30 - 11:10 COFFEE BREAK + POSTER SESSION
- 11:10 - 11:40 Prof. Silvia MARCHESAN - University of Trieste
Peptide chirality & self-assembly for biomedicine
- 11:40 - 12:00 Prof. Danijela GREGURECH - University of Erlangen
Remote Tools for Disruptive Neuromodulation Technologies
- 12:00 - 14:00 LUNCH BREAK
- 14:00 - 15:00 AWARDS AND CLOSING REMARKS
- 15:00 - 16:30 CNR - NANOTEC laboratories Tour



EDGE-TECH

3rd edition

LECCE 24 - 26 JUNE 2026

Follow us



edgetechresearch.it



EDGE_TECHGROUP



EDGE-TECH Group

MAIN SPONSORS:

DITRO
DESIGNIA

SolidManufacturing

3D Manufacturing Solutions



Energy Group

3D Printing Solutions for Industry

SUPPORTING SPONSORS:

KEYENCE

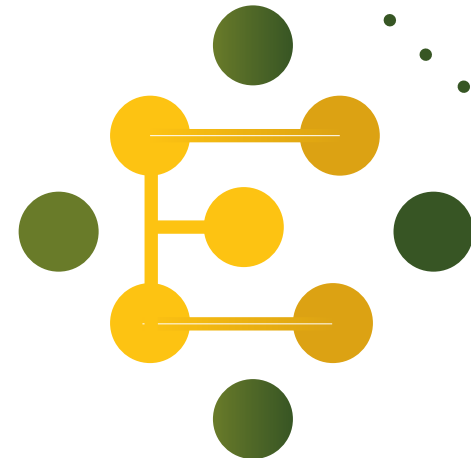


PARTNERS:

Lc Levanchimica

Copan
innovating together

Gambetti
Vacuum Technology
and Related Solutions



EDGE-TECH

3rd edition

LECCE 24 - 26 JUNE 2026

CNR NANOTEC
INSTITUTE OF NANOTECHNOLOGY

**Consiglio Nazionale
delle Ricerche**

**UNIVERSITÀ
DEL SALENTO**

Finanziato
dall'Unione europea
NextGenerationEU

Ministero della Salute

Italiadomani
PILANO NAZIONALE
DI SPORTE E GIOCHI

VERITÀ PER GIULIO REGENI