



Important Dates

- Proposals for Mini-Symposia & Special Sessions: October 31st, 2026
- Abstract submission: January 31st, 2027
- Abstract acceptance notification: February 26th, 2027
- Full paper submission (mandatory): March 31st, 2027
- Early registration: March 31st, 2027
- Authors deadline registration: April 30th, 2027

Conference Fees

| | Until March 31 st | After March 31 st | On-site |
|-------------------------------|------------------------------|------------------------------|--------------|
| Regular | 700 € | 800 € | 900 € |
| Regular ECCOMAS Member | 665 € | 760 € | 900 € |
| Student | 450 € | 500 € | 600 € |
| Partner | 200 € | 250 € | 300 € |

The regular and student registration fee includes attendance at all scientific sessions, the Conference Proceedings, lunches, coffee breaks, and the social program.

The partner fee includes access to the social program.

Venue

SMART2027 takes place at **Instituto Superior Técnico (IST)** Congress Center situated in the Department of Civil Engineering and Architecture building (Pavilhão de Civil).

IST (Alameda Campus) is located at a convenient distance from hotels, restaurants and diverse cultural sites.

Contact

SMART2027

Secretariat

Paula Jorge
Tel: (+351) 218 419 044
Email: smart2027@tecnico.ulisboa.pt

Instituto Superior Técnico
Av. Rovisco Pais, 1
1049-001 LISBOA
Portugal

GPS > Lat: N 38° 44' 14,98" - W 9° 8' 14,42"

12th ECCOMAS Thematic Conference on Smart Structures and Materials

<https://smart2027.tecnico.ulisboa.pt/>

SMART2027

28 - 30 June 2027

INSTITUTO SUPERIOR TÉCNICO

LISBOA | PORTUGAL



Welcome

Joint us at the ECCOMAS Thematic Conference on Smart Structures and Materials, **SMART2027**. **SMART2027** is the twelfth edition in a series which started in 2003 and has progressed successfully over the years.

SMART2027 invites researchers, academics, and industry professionals to submit original contributions on the research, development, and applications of smart materials, structures, and systems. The conference aims to foster the exchange of scientific results and insights among leading international scholars and experts.

The conference comprises Plenary Talks by renowned international speakers, oral and poster sessions by contributing authors, and special sessions and mini symposia on emerging topics.

We are very excited to host this edition of the conference and confidently looking forward to welcome you at Lisbon.

Objectives and Topics

SMART2027 provides a multidisciplinary forum for discussing recent advances in the highly interdisciplinary field of smart materials and structures, encouraging the development of future ideas and promoting the transfer of advanced scientific results from research to practical applications.

SMART2027 will cover topics ranging from Smart Materials, Structures and Systems to Structural Control and Health Monitoring, to Methodologies and Tools for Simulation and Design, to Manufacturing Technologies all the way to Applications of Smart Materials in different fields.

The topics of the Conference include, but are not restricted to:

Smart Materials

Active or field-dependent materials, shape memory alloys, ferroelectrics & piezoelectrics, electroactive polymers, electrostrictive & magnetostrictive materials, electrorheological & magnetorheological fluids, multifunctional materials, smart composites, smart textiles, nano-reinforced materials, biomimetic materials, etc

Smart Structures

Fundamentals, concepts, design, modelling, simulation, testing, etc.

Smart Systems

Nano, micro, mechatronics, robotics, structural solutions, automation, integration, etc.

Structural Control

Active/semi-active vibration control, semi-active hybrid damping, active noise control, sensors and actuators, shape and position control, morphing, nano/microstructures and systems, etc.

Structural Health Monitoring

Sensor/actuator networks, vibration SHM, guided wave SHM, wireless communication, etc.

Energy Harvesting

Vibration EH, nonlinear EH, piezoelectric-based EH, thermal EH, etc.

Tools and Methodologies

Coupled-field mechanics, modelling, homogenization, numerical methods, structural integration of sensors and actuators, control methodologies, integrated system design, bioinspiration and biomimetics, embodying intelligence, etc.

Manufacturing Technologies

Bonding, embedding, connection, additive, 3D/4D printing, painting, smart manufacturing, etc.

Fields of Applications

Aerospace, mechanical, automotive and transportation, renewable energy, civil, sustainable buildings, medical and bioengineering, mechatronics, etc.

Conference Chairmen

Aurélio Lima Araújo

Instituto Superior Técnico, University of Lisbon | *Portugal*

Ayech Benjeddou

ISAE-SUPMECA & SUA-UTC ROBERVAL | *France*

Local Organizing Committee

Filipa Moleiro

Instituto Superior Técnico, University of Lisbon | *Portugal*

José Aguiar Madeira

IDMEC, ISEL-IPL | *Portugal*

Francisco Sousa Vieira

Instituto Superior Técnico, University of Lisbon | *Portugal*

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- **M. Berardengo** | University of Genoa | *Italy*
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- **T. Ben Zineb** | Université de Lorraine | *France*
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