

## Proceedings & Special Issues

The **Conference Proceedings** will be published electronically. Selected papers will be published in **Special Issues** of internationally renowned journals in the field of smart materials and structures subject to standard review procedures of each respective journal.

## Important Dates

|  |                |
|--|----------------|
| Mini-Symposia & Special Sessions proposals | Sep. 30, 2024  |
| Abstract submission                        | Jan. 17, 2025  |
| Abstract acceptance notification           | Feb. 14, 2025  |
| Full paper submission (mandatory)          | Mar. 31, 2025  |
| Early registration                         | Mar. 31, 2025  |
| Late registration                          | May 9, 2025    |
| Final program*                             | May 16, 2025   |
| Conference dates                           | July 1-3, 2025 |

\*Registration is required for inclusion of presentation into program!

## Conference Fees

| Type      | Early | Late  | On-Site |
|-----------|-------|-------|---------|
| Regular*  | € 700 | € 800 | € 900   |
| Student*  | € 450 | € 500 | € 600   |
| Companion | € 180 | € 180 | € 250   |

\*ECCOMAS members benefit from 5% reduction on registration fees.

All fees include Welcome Party, Danube Cruise and Conference Dinner. Regular and Student registrations also include lunches and coffee breaks, electronic proceedings and attendance to all scientific sessions.

## Venue

Johannes Kepler University Linz @ [www.jku.at/en](http://www.jku.at/en)

## Social Program

Welcome Party • Danube Cruise • Conference Dinner

## Contact

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# SMART 2025

## 11th ECCOMAS Thematic Conference on Smart Structures and Materials

July 1-3, 2025, Linz, Austria



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## Scope

The **SMART 2025 ECCOMAS Thematic Conference on Smart Structures and Materials** will be held at the Johannes Kepler University in Linz, Austria (JKU Linz). The conference is the 11th event in a series of successful international conferences launched in 2003. Its previous editions were held in Poland (2003, 2007), Portugal (2005, 2009, 2015), Germany (2011), Italy (2013), Spain (2017), France (2019) and Greece (2023).

**SMART 2025** aims at promoting research, development and applications of smart materials, structures and systems through the exchange of scientific results and insight from leading international scholars and professional experts. The conference provides a forum for the discussion of recent advances in the highly interdisciplinary field of smart materials and structures, development of future ideas in a multidisciplinary setting and encourages transfer of advanced scientific results from research to applications.

## Conference Chairmen

- **Michael Krommer**, JKU Linz, Austria
- **Martin Schagerl**, JKU Linz, Austria
- **Manfred Nader**, LCM Linz, Austria

## Local Organizing Committee

- **Alexander Humer**, JKU Linz, Austria
- **Astrid Pechstein**, JKU Linz, Austria
- **Christoph Kralovec**, JKU Linz, Austria
- **Markus Schörghumer**, LCM Linz, Austria

## International Scientific Committee

A. Araujo, Portugal • A. Benjeddou, France • T. Ben Zineb, France • M. Berardengo, Italy • A. Bergamini, Switzerland • C. Boller, Germany • E. Carrera, Italy • A. Cunha, Portugal • J.-F. Deü, France • J.B. Høgsberg, Denmark • L. Jankowski, Poland • M. Krommer, Austria • N. Mechbal, France • W. Ostachowicz, Poland • O. Polit, France • D. Saravanos, Greece • M. von Scheven, Germany

## Topics

**SMART 2025** 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.

- **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, modeling, 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, modeling, homogenization, numerical methods, structural integration of sensors and actuators, control methodologies, integrated system design, bioinspiration and biomimetics, embodying intelligence, etc.
- **Manufacturing Technology** 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.

