



Preliminary Call for Abstracts/Papers

The International Congress on Engineering and Sustainability in the XXI cEntury is a congress with the aim to bring together valuable and novel scientific contributions to the sustainable development in a multidisciplinary way, addressing the critical issues of renewable energy, sustainable building, sustainable manufacturing, sustainable food production and other sustainable science and engineering topics that have an impact in this diverse and fast-changing research area, both in academia and industry. This 4th edition of INCREaSE will be a hybrid event, held during July 1-4, 2025, in Faro, Portugal, organized by the Institute of Engineering and hosted by University of Algarve. The scope of the conference will cover, but will not be limited to, the following topics:

Conference Topics

- Big data and data analytics applied to sustainability
- Climate change and mitigation, carbon reduction
- Combined heat and power and district heating systems
- Control and optimization of renewable energy systems
- Energy and environmental assessment in buildings and cities
- Food loss and food waste solutions
- Food safety and quality engineering
- Information technology and artificial intelligence applied to sustainability
- Nanoelectronic, nanomachining, and new nanomaterials
- Smart buildings, smart cities, smart districts, smart countryside
- Sustainability in water management
- Sustainable building technologies
- Sustainable development and circular economy
- Sustainable energy generation and management
- Sustainable food processing and packaging
- Sustainable manufacturing and maintenance processes and technology
- Sustainable technologies for risk mitigations
- Sustainable transport, smart vehicles and smart roads
- Thermo fluids modelling and experiments for sustainability

Important Dates

- Special Session proposal deadline: **December 15th, 2024**
- Paper and Abstract submission deadline: **January 31th, 2025**
- Notification of acceptance: **March 15th, 2025**
- Final paper submission deadline: **May 1st, 2025**
- Early bird registration deadline: **April 30th, 2025**
- Regular registration deadline: **June 29th, 2025**
- Conference and onsite registration: **from 1st to 4th, July, 2025**

Submissions

Authors can participate in INCREaSE 2025 with:

- Accepted full papers will be invited to present (in-person or online) a 15-minute oral (preferable) or poster presentation and will be indexed by Springer.
- Accepted abstracts will be invited to present (in-person or online) a poster and will be non-indexed.

<https://increase.ualg.pt/>

Organizing Committee

- Jorge Semião
Univ. Algarve & CISCA, Portugal
- Nelson Sousa
Univ. Algarve & CISCA, Portugal
- Rui Cruz
Univ. Algarve & MED, Portugal
- Gonçalo Prates
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