



Call for Papers for the Special Session on Predictive to Preventive Maintenance in Construction Building Issues

This special session addresses the critical challenges of identifying and mitigating construction building issues before they escalate into costly failures, enhancing safety and efficiency. The focus is on shifting from reactive to predictive and preventive maintenance, leveraging advanced technologies like IoT, AI, and data analytics. Current research emphasizes developing predictive models, real-time monitoring systems, and integrated decision-support tools. The session explores innovative methods for early fault detection, risk assessment, and sustainable maintenance strategies. It aims to unite researchers and practitioners in advancing proactive solutions to optimize building performance and lifecycle management.

Special Session Organizers

- Susana Maria Melo Fernandes Afonso Lucas, ESTBarreiro/IPS, Portugal, susana.lucas@estbarreiro.ips.pt

Important Dates

- 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**

Participation

Authors can participate in this Special Session of INCREaSE 2025 by submitting a full paper of 10-16 pages, using the format available in INCREaSE web site ([word](#) or [latex](#)), and accepted papers will be invited to present (in-person or online) a 15-minute oral presentation and will be indexed by Springer.

Link for Submissions: <https://meetinghand.com/e/increase-2025/abstract>

INCREaSE 2025 Conference

The International Congress on Engineering and Sustainability in the XXI cEntury – INCREaSE 2025 is a congress with the aim to bring together valuable and novel scientific contributions to the sustainable development in a multidisciplinary way. 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.



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

