

6th IFAC International Workshop on Advanced Maintenance Engineering, Services and Technology



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INVITED SESSIONS PROPOSAL



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Maintenance and Asset Lifecycle Management for Sustainable and Resilient Systems

The 6th IFAC Workshop on Advanced Maintenance Engineering, Services and Technologies (AMEST2024) will bring together international experts from academia and industry to present and debate the latest advances in Maintenance and Asset Lifecycle Management for the transition to sustainable, human-centric and resilient industrial systems, aligned with Industry 5.0 aims. We welcome high-quality contributions that investigate main research challenges, technology developments and business model advancements, as well as case studies and applications of new and emerging perspectives in Maintenance and Asset Lifecycle Management.

INVITED SESSIONS PROPOSAL

An invited session is expected to comprise at least 5 papers presenting a unifying coverage of different viewpoints relevant to specific workshop thematic priorities. Invited session proposals must contain an abstract with the motivation and relevance of the session as well as the expected number of papers. A proposal should include a corresponding author for each paper, along with a tentative paper title.

Invited session proposals demonstrating sufficient coverage of thematically relevant topics of significant interest for researchers and/or practitioners will be invited for accepting full paper submissions (no abstract only submissions). Invited session submissions will be handled under the same process as regular papers, but corresponding authors are asked to assign their submission to the specific invited session. **The paper must follow the IFAC paper format. Regular papers must be between 4 (minimum) and 6 (maximum) pages in the final version.**

Each paper will undergo individual blind review and the session itself will be rated as a whole. Papers addressing similar topics may be grouped together, at the discretion of the IPC and thus papers submitted for an invited session may be grouped under a regular session and vice versa.

21/10/2023

Invited sessions proposal deadline

SCOPE

The topics of interest of the invited sessions include (but are not limited to) those included in the [call for papers](#).

Industry 4.0 and Industry 5.0 - oriented maintenance and asset lifecycle management; Digital Twins & Cyber-Physical Systems for maintenance and asset lifecycle management; Reliability-centred maintenance; End-of-life management strategies, methods, and tools; Assessment of maintenance impacts on sustainability; Human-centric technologies for maintenance and asset lifecycle management; Business models for maintenance and asset lifecycle management; Maintenance and asset lifecycle management in high-uncertainty environments; Industrial Artificial Intelligence for maintenance solutions; Prognostics and Health Management systems to support sustainable and resilient operations; Simulation and optimisation in maintenance; Deterioration modelling, logistics and maintenance systems; Predictive maintenance; Condition monitoring and condition-based maintenance; Data and knowledge-driven maintenance and asset lifecycle management; Diagnostics of industrial systems; Integrated maintenance and production systems management

SUBMISSION

Submissions must be submitted through [PaperPlaza Conference Manuscript Management System](#) and must respect the provided template.



**LINK TO DOWNLOAD
THE INVITED SESSION
PROPOSAL TEMPLATE**