

# Maintenance in the Digital Era

AMEST2020 | 10-11 SEP | CAMBRIDGE UK

[www.amest2020.eng.cam.ac.uk](http://www.amest2020.eng.cam.ac.uk)

## CALL FOR INVITED SESSIONS



The objective of the 4th IFAC AMEST'20 Workshop is to bring together experts from academia and industry to discuss the latest advances in digital technologies and their impact on reliability, maintenance and asset management.

### IFAC WG AMEST (Working Group on *Advanced Maintenance Engineering, Services and Technology*)

Maintenance is a wide and interdisciplinary area, leveraging upon on a blend of core and emerging technologies with engineering and management approaches to provide decisive contribution to a company's business goals. The AMEST WG objective is to create, share and promote new knowledge in this field. Advances in this area have a significant effect on businesses, fuelling the emergence of new business models. It offers the means "to go beyond" established practices and drive the implementation of proactive strategies, focusing not only on maintenance but also on the enterprise strategic goal, taking into account business, technological, environmental and social issues and contributing to growth, quality, safety and sustainability.

## INVITED SESSIONS INSTRUCTIONS

- An **invited session** is expected to comprise at least 4 papers presenting a unifying coverage of different viewpoints relevant to specific workshop thematic priorities. Invited session proposals must contain a Summary Statement 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. It will be advantageous to include a short (up to 180 words) statement about the paper contribution.
- 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. They follow the IFAC paper format for regular papers and have the same maximum length (6 pages).

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.

### Scope

The topics of interest of the invited sessions include (but are not limited to):

Deterioration Modelling; Maintenance Strategies; Condition Monitoring; Low Cost Monitoring Approaches; Diagnostics and Prognostics; Condition-based Maintenance; Predictive Maintenance; Digital Twins for Asset Management; Asset Lifecycle Management; Integrated Maintenance and Production Systems; Logistics and Maintenance Systems; Simulation and Optimisation in Maintenance; AI in Maintenance; Industrial Internet of Things; Cyber-Physical Systems; Business Models for Maintenance Services.

## INVITED SESSION PROPOSAL SUBMISSIONS

Prospective proposers of an invited session are asked to send by mail by **15th December** the session proposal to:

- the Workshop organizers: [Ajith PARLIKAD \(aknp2@cam.ac.uk\)](mailto:aknp2@cam.ac.uk), [Christos EMMANOUILIDIS \(christosem@cranfield.ac.uk\)](mailto:christosem@cranfield.ac.uk)
- and to the IPC chairs: [Marco MACCHI \(marco.macchi@polimi.it\)](mailto:marco.macchi@polimi.it) and [Benoit IUNG \(benoit.iung@univ-lorraine.fr\)](mailto:benoit.iung@univ-lorraine.fr)

Invited sessions papers will follow the calendar and the review process of regular papers.

They must be submitted through **PaperPlaza Conference Manuscript Management System** (<http://ifac.papercept.net/conferences/scripts/start.pl>)