**Special Session on "Emerging Technologies and Intelligent Maintenance Management"
for IFAC MIM 2019**

Invited session identification code *int39*
IFAC MIM 2019

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<u>Session Chairs</u>**:**
- *Dr. Oleg Gusikhin, Ford, USA*
- *Prof. Dr. Farouk Yalaoui, UTT Troyes, FRANCE*
- *Prof. Dr. Dmitry Ivanov, Berlin School of Economics and Law, GERMANY*

Recent Technology Innovations provide game changing opportunities for maintenance management. Industrial Internet of Things, Big Data Analytics and AI offer unprecedented capabilities to monitor processes and alert the need for maintenance before critical failure occurs. Additive manufacturing, 3D printers and Smart Logistics can significantly reduce the lead time to procure spare parts allowing to decrease MRO inventory. Augmented Reality improves the efficiency of maintenance operations by guiding technicians through the process. These are some of the examples how emerging manufacturing and information technologies affect maintenance management.
Topics include but not limited to:
- Equipment Prognostics
- Predictive Analytics in Industrial Internet of Things
- Machine Learning for Predictive Maintenance
- 3D printers and MRO supply chain
- MRO inventory models
- AR and VR maintenance applications

<u>Submission</u>
For author guidelines, please refer to **www.ifac-control.org**. All papers must be submitted electronically using Symposium Manuscript Management System (CMMS). All papers must be prepared in a two-column format in accordance with the IFAC manuscript style. Please use the official IFAC instructions and template to prepare your contribution as full-length draft paper and submit it online by December 15, 2018. Submission details are available on the symposium website. All submissions must be written in English. All papers that conform to submission guidelines will be peer-reviewed by IPC members. The corresponding author submits the paper online (pdf format) as **invited session paper**. Submission as an invited paper requires the **invited session code *int39*** Several international journals are associated with the MIM 2019 for publication of special issues.

<u>Important dates</u>:

December 15, 2018	Deadline for the submission
February 20, 2018	Notification of acceptance/rejection
March 15, 2019	Deadline for the final submission