

## Invited session: “Versatile predictive maintenance strategies for the industry of the future”

4<sup>th</sup> IFAC Workshop on Advanced Maintenance Engineering, Services and Technologies, 10-11 September 2020, Cambridge, UK

### Session proposers:

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### Description and topics:

The growing complexity of modern engineering systems and manufacturing processes is an obstacle to concept and implement Intelligent Manufacturing Systems (IMS) and keep these systems operating at high levels of reliability. Additionally, the number of sensors and the amount of data gathered on the factory floor constantly increases. This drives the vision of truly connected production processes where all machinery data are accessible allowing easier maintenance of them in case of unexpected events. ForeSee cluster links six projects doing research on the aspects of Predictive maintenance with more than 80 organisations involved and a large number of industrial pilots. This session aims to bring together leading partners from each project allowing for knowledge exchange and experiences sharing as well as guiding the agenda for future research on Predictive maintenance.

To discuss all aspects of predictive maintenance strategies, this invited session calls for high-quality contributions that investigate main research challenges, technology developments and advancements, case studies, and applications.

Contributions consisting either of empirical studies, collaborative projects and action researches in an industrial context are particularly welcome.

<b>INVITED SESSION CODE: - tua49</b> When you submit your paper to the IFAC system, you will be required this ID number in order to associate your paper to the invited session: <a href="https://ifac.papercept.net/conferences/scripts/start.pl">https://ifac.papercept.net/conferences/scripts/start.pl</a>	<b>IMPORTANT DATES:</b> <b>31<sup>st</sup> Jan 2020:</b> Paper submission <b>15<sup>th</sup> Mar 2020:</b> Author notification <b>10<sup>th</sup> May 2020:</b> Final paper submission <b>09<sup>th</sup> Jun 2020:</b> Early bird registration <b>10<sup>th</sup>-11<sup>th</sup> Sept 2020:</b> Workshop
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