



phme21

TURIN - 28 June / 2 July 2021

PHME21

<https://phm-europe.org/>

CALL FOR ABSTRACTS

Special session on *PHM for Resilient Systems*

Description

Resilience is a complex challenge that builds on fundamental areas of research such as specialised sensing, data analysis, reliability modelling, ontologies and PHM etc., however, it also requires the ability to capture relationships and interdependencies across people, infrastructure and systems. Increasingly, in order to capture the dynamics of environmental or operational conditions, IoT, advanced communications and digitalisation are strategic technological enablers for the extraction and synchronisation of distributed knowledge in a system.

Motivation

Society is dependent on the continuity of service from critical networks e.g. water, energy, telecommunications etc and systems. These complex systems are becoming increasingly interdependent and must be resilient to dynamic stresses to avoid cascading failures. Furthermore, the role of robotics and AI in industry and society is rapidly increasing, requiring deeper understanding and solutions that support operational efficiency, functionality and safety compliance, in order for these systems to be effective and trustworthy.

Objective

To bring together a multidisciplinary industrial and academic base of researchers to discuss their successes and challenges in the industrialisation of data analysis, AI and autonomous systems for resilient systems. Presenting research on data, model and fusion driven approaches that can operate across a range of systems and scales.

Please submit your abstract by January 25, 2021

Please submit your abstract through the conference website, <http://phmeurope.org/>. Also, please send a copy of the abstract by email to the special session organizers.

Organizer

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