

# CALL FOR PAPERS

PHM 2022

London  
UK

## Important Dates

### Draft Full Paper Submission Due

January 20, 2022

### Notification of Paper Acceptance

February 20, 2022

### Final Manuscript Due

March 5, 2022

### Author Registration Deadline

April 15, 2022

### Conference Dates

May 27-29, 2022

## Conference Committee

### Honorary General Chairs

Jie (Peter) Liu, Carleton University, Canada

Claude Delpha, University of Paris Saclay, France

David MBA, De Montfort University, UK

### General Chair

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### Steering Committee Chair

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Nouredine Zerhouni, Femto St., France

### Arrangements Chairs

Madhav Mishra, Lulea University of Technology, Sweden

Yongxu Zhu, London South Bank University, UK

## Prognostics and Health Management Conference May 27-29, 2022

Following the successful PHM conferences over the past 11 years, the 2022 Prognostics and Health Management Conference (PHM 2022) will be held in London, UK, on **May 27-29, 2022**. This conference will be held together by London South Bank University, IEEE UK and Ireland Section, Femto St, Le Cnam, Université Paris Saclay, L2S, GeePS, HBM Prenscia, International Society of Measurement, Management and Maintenance, CTBU, and CJA. Papers will be submitted for inclusion in IEEE Xplore (EI indexed) as well as other Abstracting and Indexing (A&I) databases. Selected excellent papers will be published in the special issues of several SCI journals. Please refer to the conference website ([www.phmice.org](http://www.phmice.org)) for more details. Please contact us ([phm2022@phmice.org](mailto:phm2022@phmice.org)) if you have any questions.

London is one of the world's most important global cities and has been called the world's most powerful, most desirable, more influential, most visited, most expensive, most investment-friendly, and most-popular-for-work city. It exerts a considerable impact upon the arts, commerce, education, entertainment, fashion, finance, healthcare, media, professional services, research and development, tourism and transportation.

## Topics of Interest

PHM 2022 - London is seeking original papers for presentations at the conference. Researchers and participants from industry, academia, and government organizations are invited to submit their papers on the following topics. Participants with only abstract submissions are also welcome to the conference.

### Principles

- Sensors and devices
- Structural sensing
- Modeling and simulation
- Data-driven methods
- Model-based methods
- Sensor fusion
- Logic/reasoning techniques
- Verification, validation, and maturation
- Machine/deep learning for PHM
- Affordability aspects and business cases for PHM
- Standards and methodologies

### System Designs & Implementation

- Requirements development
- System design & engineering
- Automated reconfiguration
- Statistical analysis of uncertainty
- Component-level PHM
- Nondestructive evaluation technologies with PHM utilization
- Decision support & simulation
- PHM computer-aided engineering technologies
- Physics of failure
- Blockchain for PHM

### Applications

- Rail transportation
- PHM for power smart grid
- PHM for electronics components and systems
- PHM within innovative aerospace and defense, appliance, medical, electric vehicle, deep drilling, and energy applications
- Fleet/industrial PHM-based maintenance management
- Lessons learned from PHM systems design and integration
- Cloud computing for PHM
- PHM for energy systems

