CALL FOR PAPERS

PHM | 2023

Paris · France

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Prognostics and Health Management Conference
May 31 – June 2, 2023

Following the successful PHM conferences over the past 12 years, the 2023 Prognostics and Health Management Conference (PHM 2023) will be held in Paris, France, on **May 31 – June 2, 2023**. This conference will be held together by Le Cnam, Université Paris Saclay, IEEE France Section, IEEE SPS French Chapter, London South Bank University, Femto-St Institute, L2S, GeePS, HBM Prenscia, CTBU, and CJA. Papers will be submitted for inclusion in IEEE Xplore (EI indexed) as well as other Abstracting and Indexing (A&I) databases. Please refer to the conference website **(www.phmice.org)** for more details. Please contact us **(phm2023@phmice.org)** if you have any questions.

Paris is the capital and most populous city of France. Paris has a rich history with numerous world-renowned attractions for visiting, such as Eiffel Tower, Seine River, Louvre Museum, Triumphal Arch, and Notre Dame de Paris. Paris is also the center of a vibrant academic and industrial research community in PHM and related areas such as data science.

Topics of Interest

PHM 2023 - Paris 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

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