CALL FOR PAPERS

2019 Prognostics and System Health Management Conference

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PHM 2019

Paris France

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Following the successful PHM conferences over the past 18 years, the 2019 Prognostics and System Health Management Conference (PHM 2019) will be held in Paris, France, on **May 2-5, 2019**. This conference will be held together by Le Cnam, University of Paris – Sud, IEEE Reliability Society, IEEE France Section, Femto St, Alstom Digital Mobility, International Society of Measurement, Management and Maintenance, CTBU, Carleton University, CALCE, CJA, and LPTi. All the accepted papers will be published in IEEE Xplore® for indexing with Engineering Index (EI). Selected excellent papers will be published in the special issues of several SCI journals. Please refer to the conference website **(www.phm2019.org)** for more details.

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 2019 - Paris is seeking original papers for presentations at the conference. Researchers and participants from academia, industry, and government organizations are invited to submit their papers on the following topics:

Principles	System Designs & Implementation	Applications
☐ Rail transportation	☐ Requirements development	☐ PHM for rail transportation
☐ Sensors and devices	☐ System design & engineering	☐ PHM within power smart grid technology
☐ Structural sensing	☐ Automated reconfiguration	☐ PHM for electronics components and systems
☐ Modeling and simulation	☐ Statistical analysis of uncertainty	☐ PHM within innovative aerospace and defense, appliance, medical, electric vehicle, deep drilling, and energy applications
☐ Data-driven methods	☐ Component-level PHM	
☐ Model-based methods	☐ Nondestructive evaluation technologies with PHM utilization	
☐ Multi-sensor fusion principles		
☐ Logic/reasoning techniques	☐ Decision support & simulation	☐ Fleet/industrial PHM-based maintenance management
☐ Verification, validation, and maturation	☐ PHM computer-aided engineering technologies/applications	☐ Informed logistics
☐ Benchmarking		☐ Lessons learned from PHM systems design and integration
☐ Affordability aspects and business cases for PHM	☐ Physics of failure	☐ Cloud computing for PHM
☐ Standards and methodologies		☐ PHM for energy systems