

**October 22-24, 2021
PHM 2021 – Zhengzhou**

CALL FOR PAPERS

The 12th International Conference on Prognostics and System Health Management

Important Dates

Draft Full Paper Submission Due:
June 15, 2021

Notification of Draft Paper Acceptance:
July 15, 2021

Final Manuscript Due:
August 1, 2021

Author Registration Deadline:
August 15, 2021

Conference Dates:
October 22-24, 2021

Committee

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Following the successful PHM conferences over the past 11 years, the 12th International Conference on Prognostics and System Health Management will be held in Zhengzhou, China, from October 22 to 24, 2021. This conference will provide a premier interdisciplinary forum on PHM related topics. Papers accepted and presented at the conference will be published in IOP Conference Series (EI indexed). Selected excellent papers may be recommended to some special issues of SCI journals after sufficient extension. Please feel free to contact the organization committee via email (phm2021@phmic.org) if you have any questions.

Zhengzhou is the capital and largest city of Henan Province in the central part of the People's Republic of China. It is one of the National Central Cities in China, the centre of Central Plains area, and serves as the political, economic, technological, and educational centre of the province. The Zhengzhou metropolitan area, including Zhengzhou and Kaifeng, is the core area of the Central Plains Economic Zone. The city lies on the southern bank of the Yellow River. Zhengzhou is a major hub of China's national transportation network, with railways connecting Zhengzhou to Europe and an international airport.

Topics of Interest

PHM 2021 - Zhengzhou is seeking original papers for presentations at the conference. Researchers and participants from academia, industry, and government organizations are invited to submit papers on the following topics:

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

Call for Special Session Proposal

Proposals for Special Sessions are welcomed. Prospective organizers of special sessions should submit proposals indicating:

- Title of the proposed session;
- Short biography of the organizer with contact information;
- List of at least 5 prospective papers with titles, coauthors, and contact information of corresponding authors;

