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PHM 2018 - Chongqing

October 26-28, 2018
Chongqing, China

CALL FOR PAPERS

2018 Prognostics and System Health Management Conference - Chongqing

Important Dates

Abstract Submission Due:
1 February, 2018

Notification of Abstract Acceptance:
15 February, 2018

Draft Full Paper Submission:
1 May, 2018

Notification of Draft Paper Acceptance:
15 June, 2018

Author Registration Deadline:
July 1, 2018

Final Manuscript Due:
15 July, 2018

Committee

General Chair:

Jie (Peter) Liu, Carleton University, Canada

Honorary Chair:

Michael Pecht, University of Maryland, USA

Steering Committee Chair:

Chuan Li, Chongqing Technology and Business University, China

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Fai Ma, University of California at Berkeley, USA

Following the successful PHM conferences over the past 17 years, the 2018 Prognostics and System Health Management Conference will be held in Chongqing, China, from October 26 to 28, 2018. This conference will provide a premier interdisciplinary forum on PHM related topics. All the accepted papers will be published in IEEE Xplore® for indexing by Engineering Index (EI). Selected excellent papers will be published in some special issues of SCI journals.

Chongqing is a scenic city with an abundance of hills and winding roads, and over 40 bridges on the beautiful Yangtze and Jialing Rivers. Chongqing has a rich history with numerous ancient sites, as well as being the home to over 20 universities. Chongqing is one of the five national central cities in China, and also serves as China's third largest centre for motor vehicle production and the largest for motorcycles. Chongqing is famous for its unique food, particularly hot pot.

Topics of Interest

PHM 2018 - Chongqing 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

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

- Title of the proposed session;
- Motivation and objectives of the session, emphasizing the benefits for PHM 2018 – Chongqing;
- Short biography of the organizer (up to two) with complete address, and additional contact information;
- List of at least 6-8 prospective papers with titles, coauthors, and contact information of corresponding authors;
- Submission to a special session must be reviewed by the session organizer(s) and the conference's Review Group.

