**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
- **Program Chairs:** Claude Delpha, University of Paris – Sud, France; Qiang Miao, Sichuan University, China
- **Arrangements Chair:** 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**
- Physics of failure
- Sensors and devices
- Structural sensing
- Modeling and simulation
- Data-driven methods
- Model-based methods
- Multi-sensor fusion principles
- Logic/reasoning techniques
- Verification, validation, and maturation
- Benchmarking
- 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/applications
- Integrated structure/frame health management

**Applications**
- PHM within power smart grid technology
- PHM within distributed, networked & cloud computing
- 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
- Informed logistics
- 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.