

International Journal of Prognostics and Health Management – Call for papers

Special Issue: Highlights of PHMAP17

Prognostics and health management (PHM) becomes a core engineering discipline for Industry 4.0, which enables real-time health assessment and prediction of complex engineered systems under uncertain operating conditions. This discipline has been widely applied to various engineering domains: manufacturing, automotive, air & ground transportation, energy and heavy industry, and maritime as a means to improve reliability, availability and maintainability. To focus dissemination of cutting edge research papers submitted in the 2017 Asia Pacific Conference of Prognostics and Health Management (PHMAP17), the International Journal of Prognostics and Health Management is thus calling for papers for a special issue on “Highlights of PHMAP17”.

The topics of the special issue can include, but are not limited to:

- PHM design, including but not limited to monitoring, diagnostic and prognostic methods
- Big data analytics for PHM
- Deep learning based PHM
- Data driven PHM methods under uncertainty
- Physics based PHM methods under uncertainty
- Maintenance modeling and optimization
- Methods for PHM validation
- PHM in manufacturing
- PHM applications to cyber-physical systems
- Analysis and/or design methodology under epistemic uncertainty
- Case studies and industrial applications that illustrate physics based and data driven diagnostics & prognostics

Publication timeline:

Papers submitted for this issue will go through the regular review process, but will receive expedited treatment in processing

- Paper submission by: August 31, 2017
- Initial review by: October 31, 2017
- Revised paper submission by: November 30, 2017
- Final acceptance decision by: January 15, 2018
- Publication of the special issue by: March 31, 2018

Special issue editors:

Byeng Dong Youn, Seoul National University, bdyoun@snu.ac.kr

David He, University of Illinois at Chicago, davidhe@uic.edu

Hyunseok Oh, Gwangju Institute of Science and Technology, hsoh@gist.ac.kr