SDPC 2018
August 15-17

International Conference on Sensing, Diagnostics, Prognostics, and Control

Bridging research, technology from academia, industry, and the world

XI'AN CHINA

WeChat Platform

CALL FOR PAPERS

The International Conference on Sensing, Diagnostics, Prognostics, and Control (**SDPC 2018**) will be held in Xi'an, China, on August 15-17, 2018. SDPC 2018 will be held together by Northwestern Polytechnical University (China), Chongqing Technology and Business University (China), Carleton University (Canada), the IEEE Reliability Society, and International Society of Measurement, Management, and Maintenance. SDPC 2018 will offer opportunities to bring the experts from both academic and industrial fields together to attain synergetic exchanges of ideas and practices.

Prospective authors are invited to submit high-quality original research and technical contributions for presentations and posters in conference. All presented full papers that meet IEEE quality standards will be submitted to IEEE Xplore® for publication (EI Indexing). Approximately 40 outstanding papers will be selected for a Special Column with Chinese Journal of Aeronautics - Elsevier (SCI Journal), and other SCI Journals.

SDPC 2018 will set 5 Best Paper Awards (Certificates & Cash) for student authors/presenters, and will also set 5 Best Paper Awards (Certificates & Cash) for non-student authors/presenters.

CONFERENCE TOPICS

Authors are invited to submit papers of relevance to the SDPC Conference. The SDPC topics and applications include but are not limited to:

- Aerospace and aviation systems
- Aircraft design and testing
- Unmanned System and its application
- Intelligent technologies for unmanned system
- Battery thermal management and health management
- Prognostics for electronics components and systems
- Prognostics for energy storage and smart grid
- Intelligent control systems
- Intelligent manufacturing
- Advanced sensing and data acquisition
- Big data analytics
- Residual life prediction for systems
- Smart sensing and sensor networks
- Decision support and simulation
- Fault-adaptive control methods
- Data-driven and model-based methods
- Monitoring, diagnostic and prognostic methods
- Accelerated life and degradation test
- Maintenance modeling and optimization
- Safety and risk assessment
- Algorithms and implementation
- Economics of prognostics and health management
- Codes and standards
- Technologies and applications of internet of things

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IMPORTANT DATES

Draft Full Paper Due
March 1, 2018

Notification of Draft Paper Acceptance
April 1, 2018

Author Registration Deadline
April 15, 2018

Final Manuscript Due
May 1, 2018

Regular Attendee Early Bird Registration Deadline
July 15, 2018

Conference Dates
August 15-17, 2018

Full details of submission procedures are available at: www.sdpcconf.org

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