SDPC 2019
August 15-17

International Conference on Sensing, Diagnostics, Prognostics, and Control

Bridging Research, Technology from Academia, Industry, and the World

BEIJING CHINA

CALL FOR PAPERS

2019 International Conference on Sensing, Diagnostics, Prognostics, and Control (SDPC 2019) will be held in Beijing, China, on August 15-17, 2019 **(IEEE Conference Record #46321)**. SDPC 2019 will be held together by Beijing Institute of Technology (China), Chongqing Technology and Business University (China), Carleton University (Canada), the IEEE Reliability Society, and International Society of Measurement, Management, and Maintenance, etc. It 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 SDPC 2019. All presented full papers that meet IEEE quality standards will be submitted to IEEE Xplore® for publication (EI Indexing). Approximately 40 outstanding papers among those submitted to SDPC 2019 will be selected for Special Columns/Issues/Sections with Chinese Journal of Aeronautics - Elsevier, Sensors (MDPI), IEEE Access, and/or other SCI Journals.

SDPC 2019 will provide up to 10 Best Paper Awards (Certificates & Cash) for authors/presenters.

CONFERNENCE TOPICS

Authors are invited to submit papers of relevance to the SDPC 2019 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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IMPORTMANT DATES

Draft Full Paper Due
April 1, 2019

Notification of Draft Paper Acceptance
May 1, 2019

Author Registration Deadline
June 1, 2019

Final Manuscript Due
June 1, 2019

Regular Attendee Early Bird Registration Deadline
July 15, 2019

Conference Dates
August 15-17, 2019

SPONSORS

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

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