SDPC 2020
August 5-7

International Conference on Sensing, Diagnostics, Prognostics, and Control

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

BEIJING CHINA

www.sdpcconf.org   Email: sdpc2020@sdpcconf.org

CALL FOR PAPERS

The fourth International Conference on Sensing, Diagnostics, Prognostics, and Control (**SDPC 2020**) will be held in Beijing, China, on August 5-7, 2020. SDPC 2020 will be held together by Beijing Jiaotong University, IEEE Beijing Section, Southwest Jiaotong University, Beijing Institute of Technology, Chongqing Technology and Business University, University of Alberta, International Society of Measurement, Management, and Maintenance, and CJA (Elsevier). SDPC 2020 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 papers for presentation at the conference. Papers will be submitted for inclusion into IEEE Xplore as well as other Abstracting and Indexing (A&I) databases. Outstanding papers will be recommended to Special Issues from several SCI International Journals.

SDPC 2020 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:

- Transportation and transit system
- Intelligent transportation system
- Rail traffic control and safety
- 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

SPONSORS

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

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IMPORTANT DATES

Draft Full Paper Due
March 1, 2020

Notification of Draft Paper Acceptance
April 1, 2020

Final Manuscript Due
May 1, 2020

Author Registration Deadline
June 1, 2020

Regular Attendee Early Bird Registration Deadline
June 1, 2020

Conference Dates
August 5-7, 2020

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