# CALL FOR PAPERS - APARM 2020

## The 9th Asia-Pacific International Symposium on Advanced Reliability and Maintenance

### Reliability and Maintenance in the Connected Era

**PanPacific Hotel**          **Vancouver, Canada**          **AUGUST 20-23, 2020**

Innovative tools for reliability analysis and decision making in design, operation and maintenance of engineering systems in today's connected era, are critical for safe, reliable and effective operation of these systems.   Application areas include energy systems, networks of communication, transportation, cloud computing, electronic systems, building and infrastructure, medical and healthcare, aviation and railway systems. Papers/Abstracts are sought in all areas of Advanced Reliability and Maintenance including but not limited to:

- Systems Reliability
- Dependability Modeling
- Fuzzy Reliability
- Cyber Security
- Service & Reliability
- Warranty Analysis Manufacturing
- Design for Six Sigma
- Maintainability & Availability
- Accelerated Life Testing
- Diagnostics
- Condition Monitoring
- Dynamic Reliability Analysis

- Software Reliability & Testing
- Human Reliability
- Network Reliability & Optimization
- Security Issues
- Estimation & Statistical Tests
- Resilience
- Fault-tolerant Computing
- Reliability Physics
- Big Data
- Prognostics
- Engineering Asset Management

- Communication Systems
- Bayesian Reliability
- Safety & Risk Assessment
- Internet Reliability Engineering
- Survival Analysis
- Computer Systems Reliability
- Maintenance Optimization
- Accelerated Degradation Testing
- Data Mining & Analytics
- Remaining Useful Life Estimation
- Machinery Health Assessment

## Important Dates

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| Submissions Open: | September 15, 2019 |
| Proposals for Special Sessions: | December 1, 2019 |
| Full Paper Submission Deadline: | February 15, 2020 |
| Acceptance Notification: | April 15, 2020 |
| Camera Ready Paper Due: | May 15, 2020 |
| Author Registration Deadline: | May 15, 2020 |
| Early Registration Deadline: | May 15, 2020 |
| Arrival and Registration: | August 20, 2020 |
| Technical Program: | August 21 - 23, 2020 |

## Paper Submissions

Submissions are now open at EDAS (https://aparm2020.edas.info/newPaper.php?c=26214).  Detailed instructions for paper preparation and submission are given at the conference website.  All papers submitted to the conference will be peer-reviewed for merit and content.  All papers accepted and registered for presentation at the conference will be provided to conference attendees on USB or Cloud Drive.  All presented papers that meet IEEE quality standards will be submitted to IEEE Xplore® for formal publication.  Authors of selected papers will be invited to extend their papers for special issues or special sections of journals.

## Contacts

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## Keynote Speakers
Way Kuo, City University of Hong Kong
Andrew K.S. Jardine, University of Toronto
William Q. Meeker, Iowa State University
Jing Jiang, Western University

## General Chairs
Ming J. Zuo, University of Alberta, Canada
George Zhang, Simon Fraser University, Canada
Yi-Kuei Lin, National Chiao Tung University, Taiwan

## Honorary Chairs
Way Kuo, City University of Hong Kong, China
Dong Ho Park, Hallym University, Korea
Tadashi Dohi, Hiroshima University, Japan

## Organized by
University of Alberta, Canada
University of Electronic Science and Technology of China (UESTC), China
Simon Fraser University, Canada

**www.aparm2020.org**