

8th Asia-Pacific International Symposium on Advanced Reliability and Maintenance Modeling (APARM 2018) &

8th International Conference on Quality, Reliability, Risk, Maintenance, and Safety Engineering (QR2MSE 2018)

August 21-24, 2018, Qingdao, Shandong, China

<http://www.qr2mse.org>



CALL FOR PAPERS

SUPPORTED BY

- International Society of Engineering Asset Management
- Reliability Engineering Association of Japan
- The Japanese Society for Quality Control
- Japan Industrial Management Association
- Operations Research Society of Japan
- IEICE Technical Committee on Reliability, Japan
- IEEE Reliability Society Japan Chapter
- The Korean Reliability Society
- The Korea Society for Quality Management
- The Korean Society of Mechanical Engineers
- European Safety and Reliability Association
- European Federation of National Maintenance Societies
- Polish Safety and Reliability Association
- Chinese Institute of Industrial Engineers
- Industrial Engineering Committee, Chinese Society Optimization
- International Chinese Association of Quantitative Management
- Production and Operations Management Society, Taiwan Chapter
- Reliability Committee of Operations Research Society of China
- Reliability Committee of Sichuan Provincial Mechanical Engineering Society

ORGANIZER

- University of Electronic Science and Technology of China, China
- China University of Petroleum, China
- Qingdao University of Technology, China
- Inner Mongolia University of Technology, China

THEME

APARM 2018 & QR2MSE 2018 is an international forum for exchange of innovative ideas, cutting-edge research results, and applications of asset management, reliability and quality tools in design, manufacturing, and operation and maintenance of engineering systems. Papers dealing with case studies, reliability data generation, experimental results, best design practice, and effective asset management solutions are of particular interest. All papers accepted will be included in the conference proceedings. Selected peer reviewed papers will be published in international journals indexed by Thomson Reuters Web of Science (SCI) or Engineering Village (EI Compendex).

TOPICS OF INTERESTS (but not limited)

- Strategic asset management
- Asset fleet management
- Quality engineering
- Quality assurance and cost issues
- Experimental design for quality control
- Total quality management techniques
- Reliability theory and application
- Product reliability and safety evaluation
- Reliability testing and statistics
- Structural reliability
- Software reliability and testing
- Reliability tools for product development
- Risk management
- Physics of Failure
- Inspection
- Advanced sensor technologies
- Condition monitoring, diagnostics and prognostics
- System health and analytics
- Prognostics and health management
- Condition based maintenance
- Equipment management and maintenance
- e-Maintenance
- Maintenance support modeling and simulation
- Reliability centered maintenance
- Novel technologies for maintenance: robotics, virtual reality and additive manufacturing
- Life cycle management and services
- Systems integrity management
- Contractor logistics theory and practice
- Optimal design
- Multidisciplinary design optimization
- Human and organizational factors
- Warranty analysis
- Supply chain management
- Oil and gas industry
- Information management

SUBMISSION OF PAPERS

Extended abstract or full papers should be submitted electronically in **MS-Word** via icqrms@uestc.edu.cn by **March 15, 2018**. Authors' names, affiliations, and contact information must be included in submission.

All submitted papers will be peer reviewed for merit.

IMPORTANT DATES

- Full Paper Submission Deadline** **March 15, 2018**
- Full Paper Acceptance Notification** **April 01, 2018**
- Camera Ready Papers Due** **April 10, 2018**

For more information and updates, please visit conference website at www.qr2mse.org.

