



Risk Assessment and Reliability Engineering of Process Operations

Guest Editors:

Dr. Xinhong Li

Centre for Pipeline Risk and Reliability Engineering (CPRRE), Department of Safety Engineering, Xi'an University of Architecture and Technology, Xi'an, China

Dr. Shangyu Yang

CNPC Tubular Goods Research Institute, Xi'an, China

Dr. Huixing Meng

School of Mechatronical Engineering, Beijing Institute of Technology, Beijing, China

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Message from the Guest Editors

This Special Issue pays particular attention to safety, risk, and reliability in process industries including theory, method, and engineering application, to cope with the challenges of harsh environments, major accidents, and new energy.

Potential topics include, but are not limited to, the following:

- Structural design method in harsh environment
- Structural safety assessment of process facilities
- Accident modeling in process operations
- Risk identification, analysis, assessment
- Emergency decision-making and management
- Technical Safety and Loss Prevention
- Non-destructive detection technique for process facilities
- Reliability assessment process facilities
- Transportation safety of emerging energy
- Fault Diagnostics and Prognostics
- Risk early-warning
- AI in safety and reliability
- Resilience engineering





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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

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Processes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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