

Special Issue

Risk Assessment and Reliability Engineering of Process Operations

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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