

Chief Editor:

Michael Beer, Ph.D., M.ASCE, Leibniz Universität Hannover

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Aims & Scope

The journal will meet the needs of the researchers and engineers to address risk, disaster and failure-related challenges due to many sources and types of uncertainty in planning, design, analysis, construction, manufacturing, operation, utilization, and life-cycle management of existing and new engineering systems. Challenges abound due to increasing complexity of engineering systems, new materials and concepts, and emerging hazards (both natural and human caused). The journal will serve as a medium for dissemination of research findings, best practices and concerns, and for the discussion and debate on risk and uncertainty related issues. The journal will report on the full range of risk and uncertainty analysis state-of-the-art and state-of-the-practice relating to civil and mechanical engineering including but not limited to:

- Risk quantification based on hazard identification,
- Scenario development and rate quantification,
- Consequence assessment,
- Valuations, perception, and communication,
- Risk-informed decision making,
- Resilience assessment and design for resilience,
- Uncertainty analysis and modeling,
- Other related areas.

ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering



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