

Part B: Mechanical Engineering

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The American Society of Civil Engineers [www.asce.org] and the American Society of Mechanical Engineers [www.asme.org] are pleased to present two new journals addressing risk and uncertainties in both the civil and mechanical engineering aspects of engineered systems. The two titles will share one expert editorial board focused on presenting stateof-the-art research and best practices for ensuring a full discussion on risk and uncertainty related issues.

The Editorial Board is now accepting submissions via the ASME Journal Paper Submission Site

http://journaltool.asme.org/Content/JournalDescriptions.cfm?journalId=27&Journal=RISK

Aims and Scope: The journal will meet the needs of the researchers and engineers to address risk, disaster and failurerelated 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,
- · Uncertainty analysis and modeling,
- · Other related areas.

COMPANION JOURNAL: Part A of the journal, published by the American Society of Civil Engineers [www.asce.org], will focus on the civil engineering aspects of these topics. <u>Click here for more information.</u>



SETTING THE STANDARD FOR ENGINEERING KNOWLEDGE SHARING