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Application of Monitoring System in Bridge Reliability Assessment

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Deadline for manuscript submissions:

closed (30 November 2022)

Message from the Guest Editors

Bridge condition assessment by using structural health monitoring (SHM) data has been recognized as a promising condition-based preventive maintenance method. The monitoring concept for structural systems has undergone a rapid evolution over the past decade, and it still plays an important role in the efficient use of structural monitoring data in the reliability assessment and prediction models. This Special Issue will be based on monitoring systems to effectively monitor the structural reliability assessment process, show the use of monitoring data to develop predictive models, and how it plays an important role in structural health testing and reliability analysis.

Keywords: bridges; structural reliability; monitoring; monitoring systems; non-linear modeling techniques; reliability assessment methods reliability estimation; structural health monitoring (SHM); finite element model











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Message from the Editor-in-Chief

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