



## Reliability-Based Service-Life Assessment of Aging Bridges

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### Message from the Guest Editors

The normal serviceability of bridges plays an essential role in physically supporting a traffic system's functionality. Many bridges are exposed to severe environmental or operational conditions during their service life, which may trigger the reduction of structural performance and remaining service-life below expected. Structurally or functionally deficient bridges may further lead to catastrophic economic or social losses for the surrounding community. Motivated by the costly disposition of the degraded bridges, as well as the severe failure-induced consequences, it is necessary to assess the bridge's capacity to fulfill the safety requirements during the considered reference period under a probability-based framework, with which the decision-makers can optimize the maintenance or enhancement strategies accordingly.

This Special Issue provides a platform for key researchers in the field of bridge engineering to present their latest research outputs. Contributions addressing the reliability-based safety and service-life assessment of aging bridges, both theoretical and experimental, are welcome.





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## Message from the Editor-in-Chief

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