

**Guest Editors:**

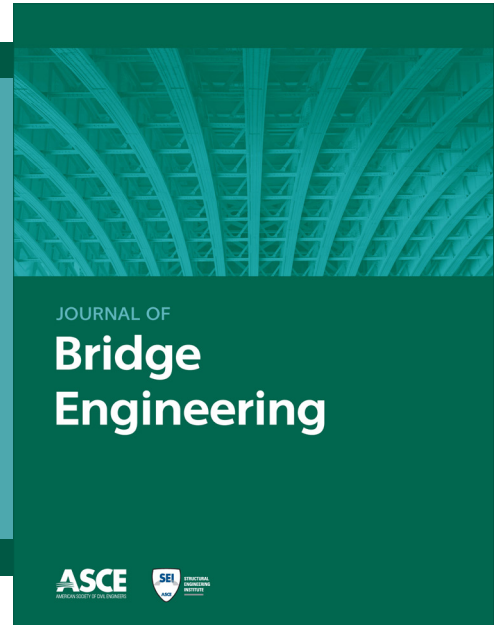
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## Call for Papers

### Special Issue: Climate Change Impacts on Bridges



### Aims & Scope

Climate change has long been recognized as a serious phenomenon with severe implications for the planet, its inhabitants, and our built infrastructure. The unequivocal evidence of climate change may greatly impact the safety and durability of bridges. Leveraged by the recent advances in our understanding on how climate change is likely to impact both the probability and magnitude of extreme events and on how climate change is likely to influence the hazard resistance of structures, numerous climate mitigation and adaptation strategies related to the design, construction, operation, and maintenance of bridges have emerged.

### Topics

This special collection solicits the latest progress in the research related to the climate change impacts on bridges. The topics include, but are not limited to, the following:

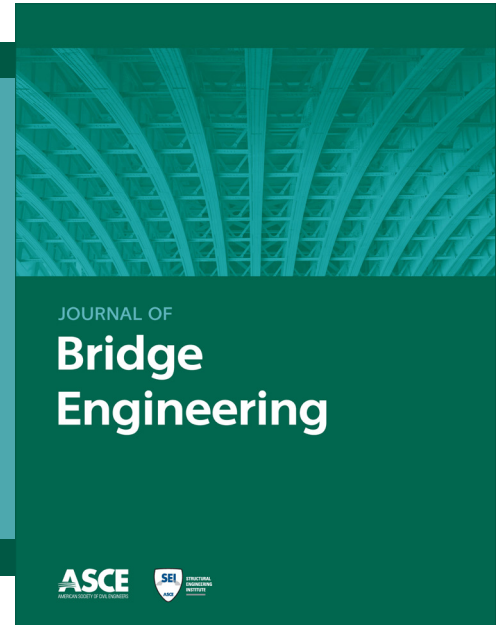
- Modeling of future weather and climate extremes related to bridge design
- Hazardous effects on bridges under changing climate (e.g., aerodynamic and hydrodynamic loads)
- Lifetime bridge capacities under changing climate (e.g., aging and deterioration)
- Advanced analysis tools for bridge performance evaluations under climate hazards
- Risk and resilience assessment of bridge and transportation infrastructure under climate hazards
- Mitigation, intervention and adaptation of climate change in bridge engineering
- Code and standard development for climate resilient bridges

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### Submission Guidelines

1. Please submit your manuscript via the ASCE Journal of Bridge Engineering website: <https://www.editorialmanager.com/jrnbeeng>
2. Once on the Editorial Manager website, please indicate that your paper is for the special collection "Special Issue: Climate Change Impacts on Bridges" edited by Teng Wu, Shaopeng Li, and Yaojun Ge.
3. Detailed information on the submission process is provided in the document "Publishing in ASCE Journals: A Guide for Authors" available at <https://doi.org/10.1061/9780784479018>

Papers submitted towards the special collection will undergo the same review process as other papers submitted to the journal. We will continue to accept submissions to this special collection until 6/30/2024. Please direct any questions regarding this special issue to Prof. Teng Wu at [tengwu@buffalo.edu](mailto:tengwu@buffalo.edu), Dr. Shaopeng Li at [shaopengli@ufl.edu](mailto:shaopengli@ufl.edu) or Prof. Yaojun Ge at [yaojunge@tongji.edu.cn](mailto:yaojunge@tongji.edu.cn). See <https://ascelibrary.org/page/jbenf2/specialcollections> for the list of Special Collections already published.