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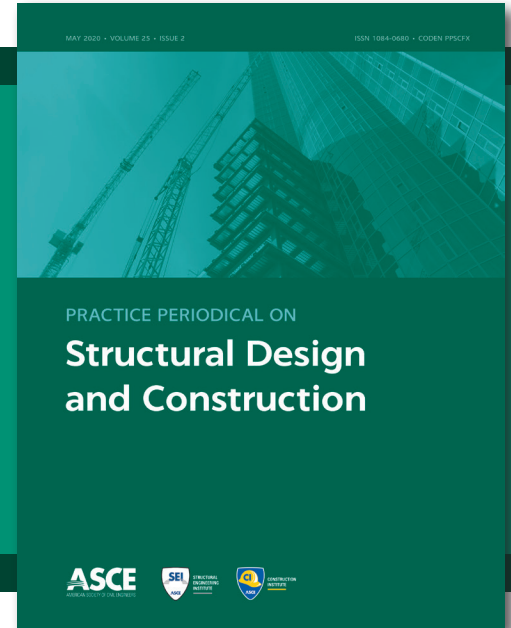
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Call for Papers

Special Collection on Structures under Blast and Impact Loading

Submit manuscripts:

<https://www.editorialmanager.com/jrnsceng>



Aims & Scope

Escalation of blast/bombing events around the world in terms of accidental and/or noxious deliberate explosions and innumerable impact incidents has motivated the engineering community to assess the behavior and vulnerability of civil and military infrastructures under blast and impact loading environments. Depending on blast intensity and impact velocity, structural material and structures behave quite differently as compared to quasi-static loading due to the involvement of inertia and/or strain-rate effects. This special collection of the *Practice Periodical on Structural Design and Construction* focuses on “Structures under Blast and Impact Loading”. Articles relevant to various civil infrastructures under the above-mentioned two extreme loadings will be covered. Comprehensive state-of-art reviews, theoretical/analytical, numerical, experimental investigation both field and laboratory based and case study manuscripts on the relevant following topics (but not limited to) are solicited:

Relevant Topics

- Structural elements and systems under blast, shock, and impact
- Drop-weight and Projectile impact
- High Strain Rate Loading
- Dynamic Material Characterization
- Blast and Impact Resistant Design
- Response and Damage Assessment
- Pressure-Impulse Diagram

continued

Practice Periodical on Structural Design and Construction



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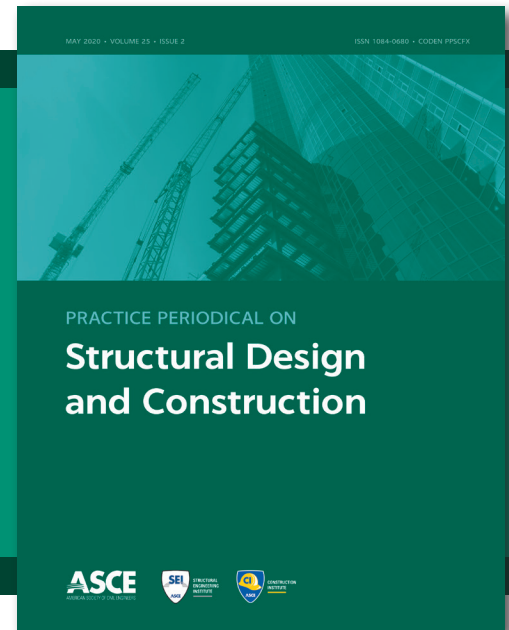
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- Blast and Impact Retrofit Scheme
- Novel Shock Isolation Materials
- Progressive Collapse

Submission Information

Submissions will be accepted on a rolling basis (no current deadline).

Submit manuscripts: <https://www.editorialmanager.com/jrnsceng>

Authors are encouraged to prepare their manuscripts in accordance with guidelines in “Publishing in ASCE Journals: A Guide for Authors” (<https://ascelibrary.org/r/publishingguide>).

When submitting, authors should indicate in the submission questions that the paper is being submitted in response to this call for papers (“Structures under Blast and Impact Loading”) and the Guest Editors' names.

Please note that all accepted papers submitted in response to this Call for Papers will be published in regular issues of the *Practice Periodical on Structural Design and Construction* and assembled online on a page dedicated to this Special Collection.