

Special Issue on
Advances in Failure of Engineering Structures

CALL FOR PAPERS

In the last decades, engineering structures were seen to have become bigger and more complex. This has put more pressure on engineers in all fields to ensure the stability and safety of these structures. Catastrophic failures could happen when requirements of stability and safety are not achieved. A lot of research work was done and still going on, in an endless attempt to enhance the understanding of the stability behavior of engineering structures and how it is related to its failures.

The purpose of this special issue is to publish high-quality research articles as well as reviews that seek to address recent advances and developments on analysis, design, specifications, codes, procedures, and tests of engineering structures stability and failure, as well as any related applications or implementations in the engineering fields.

Potential topics include but are not limited to the following:

- ▶ Buckling and stability failure of steel and concrete structures
- ▶ Progressive failure of buildings
- ▶ Seismic failure of structures
- ▶ Development of stability failure requirements in codes
- ▶ Computational methods for stability and failure of structures
- ▶ Dynamic stability of structures
- ▶ Failure problems due to impact and blast loading
- ▶ Failure through damage and fracture of structures
- ▶ Use of new composites in improving stability of structures
- ▶ Use of nanomaterials in improving stability of structures
- ▶ Repair of unstable or failed elements
- ▶ Approaches to failure analysis
- ▶ Case studies of real structural failures
- ▶ Failure of underground or geotechnical structures

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/je/civil.engineering/asfe/>.

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First Round of Reviews

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