Special Issue

Extreme Sciences and Engineering

Message from the Guest Editors

This special issue enables transparent, fair, rapid communication of research that highlights the role of mechanics, sciences and engineering in multidisciplinary areas across materials science, physics, and engineering. Among the topical areas of interest are, but not limited to:

- Materials and components of extreme properties
- Materials and structures under extreme conditions, such as high temperature and high loading rate, natural or man-made hazards, etc.
- Resilience of assets, components, installations and infrastructure systems
- Artificial Intelligence
- Instability, large deformation and large-amplitude vibration in nature and engineering systems
- Interfacial phenomena in interactions between fluids and solids, deformation and failure of materials and structures
- Self-assembly of materials, components and structural systems
- Mechanics of 3D printing
- Earthquakes and Tsunami
- Digital built environments supporting crisis management, resilience recovery, and sustainability of critical infrastructures (Airport, Rail, Port, Energy, Gas, etc.)
- Advanced numerical methods for extreme conditions

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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