



# MECHANICS OF MATERIALS

An International Journal

## AUTHOR INFORMATION PACK

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### DESCRIPTION

Mechanics of Materials, a journal in the field of solid mechanics and materials, aims to disseminate quality research work in the broad spectrum of engineering and natural materials. It reports original research with a mechanically oriented description of substructures from nano- to macro-scales encompassing time-dependent and time-independent behaviors, material instabilities, damage and fracture mechanisms, and interactions between mechanics and electricity, chemistry and optics. Particular emphasis is placed on the inspection of strain rates, spatio-temporal scales, inception of microstructural features and their evolution, and couplings between mechanics and transport phenomena.

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**Daniel Rittel**, Technion - Israel Institute of Technology, Haifa, Israel

Dynamic mechanical behavior of materials, Thermomechanics, Thermomechanical coupling in solids, Static and dynamic fracture, Stress waves in solids, Electron microscopy, Soft matter mechanics  
**Bo Song**, Sandia National Laboratories, Albuquerque, New Mexico, USA  
Experimental mechanics, Impact mechanics, Stress wave Propagation, Soft materials mechanics  
**Ankit Srivastava**, Illinois Institute of Technology, Illinois, USA  
Wave propagation, Micromechanics and homogenization, Deep learning and data-driven mechanics, Optimization and inverse problems  
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