

## **SOLID MECHANICS**

### **TOPICS**

- Biomechanics and Biomaterials
- Contact and Friction
- Damage Mechanics
- Elasticity, Plasticity, Viscoplasticity and Creep
- Failure of Composites
- Fracture Mechanics
- Geophysics and Geomechanics
- Impact Mechanics and Wave Propagation
- Multi-component Materials and Composites
- Phase Transformations and Thermomechanical Phenomena
- Multibody, Vehicle and Structural Dynamics
- Nanostructures and MEMS
- Stability of Structures
- Vibrations and Control of Structures
- Other Topics in Solid Mechanics