

THE OPEN MECHANICAL ENGINEERING JOURNAL



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- Hydromechanics, aerodynamics, thermodynamics
- Principles of the micro-macro transition
- Constitutive relations; and microstructure property relationships
- Elastic behavior; plastic behavior; high-temperature creep, fatigue, and fracture
- Mechanical behavior; environmental effects
- Metals, polymers, ceramics, intermetallics

- Machining; nonconventional machining, materials processing
- Theory of machines and mechanisms, vibration and balancing of machine parts
- Stability of mechanical systems, mechanics of continuum
- Heat transfer
- Thermo fluids and nanofluids
- Other related areas

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