

## COMPUTATIONAL MECHANICS

### TOPICS

- Artificial intelligence methods
- Computational intelligence
- Sensitivity and reliability analysis
- Inverse problems and optimization
- Advanced Finite Element Method, Finite Volume Method and Boundary Element Method
- Discrete Element Method
- Meshless and related methods
- Numerical approach to the initial and boundary value problems
- Parallel computing
- Soft computing
- Exascale Computing
- Other Topics in Computational Mechanics