

Advanced computational methods with applications to MEMS and NEMS devices: A symposium in honor of Professor Subrata Mukherjee

Wenjing Ye, *Hong Kong University of Science and Technology*

Florin Bobaru, *University of Nebraska*

Glaucio H. Paulino, *University of Illinois at Urbana-Champaign*

The Symposium is dedicated to Professor Subrata Mukherjee in honor of his great contribution to the field of computational mechanics. The main theme of this symposium is on computational methods and techniques for modeling of micro and nano systems. Topics include, but are not limited to,

- Advanced boundary element methods
- Meshfree methods and applications
- Molecular methods
- Hybrid continuum and molecular approaches
- Modeling and design of MEMS/NEMS
- Sensitivity analysis and optimization for physically nonlinear problems
- Shape and Material Optimization
- Modeling of manufacturing processes
- Industrial applications of numerical methods.