

## MULTISCALE COMPUTATIONAL MECHANICS OF MATERIALS

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### ABSTRACT

The objective of this minisymposium is to bring together a broad range of researchers who are working on using various computational mechanics techniques studying and simulating the responses of different materials under various conditions to exchange ideas and share the recent developments in computational mechanics of materials.

We welcome presentation topics that range from atomistic scale simulation, coarse grain mesoscale simulation, to macroscale simulation, or concurrent multiscale simulations, and deal with material failure, microstructure evolution, multi-physics interactions, and material genome. For the methodology, we welcome contributions that are based on any type of numerical methods, such as molecular dynamics, meshfree particle methods, and finite element methods, etc.