

**RECENT ADVANCES IN COMPUTATIONAL FRACTURE MECHANICS
AND FAILURE ANALYSIS**

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MINISYMPOSIUM

This mini-symposium deals with the state-of-the-art computational modelling methods applied to fracture mechanics and failure analysis. Applications of computational methodologies, such as, FEM, X-FEM, G-FEM, S-FEM, BEM, IGA, Peridynamics and other advanced numerical techniques will be discussed in the mini-symposium to advance a comprehensive understanding of cutting-edge methodologies and simulations. Fields of interests span a wide range of areas, such as aerospace, automobile, naval architecture, nuclear power, mechanical/civil engineering, and other structural applications. Outcomes of both the applied and fundamental research are warmly welcome to enrich the knowledge exchange within the mini-symposium.