



The Fifth International Conference on Damage Mechanics (ICDM5)

Date: 16th-18th July 2025

Venue: National University of Singapore

Mini Symposium Title	Gradient damage/phase-field modeling of material's failure
Short description on the focus of the Mini Symposium	<p>This mini symposium focuses on the latest advancements in gradient damage and phase-field modeling techniques for understanding and predicting material failure. We invite contributions that explore theoretical foundations, computational methods, and practical applications of these approaches.</p> <p>Topics for potential contributions include but are not limited to:</p> <ul style="list-style-type: none"> • New gradient damage/phase-field models for strongly localized failure or fracture • Damage evolution in multiphysics and/or multiscale problems • Damage and failure in composite, heterogeneous, and random materials • The role of random fields and stochastic damage in modeling material behavior
Organizers	<p>Ye Feng, Northwestern Polytechnical University Lu Hai, Leibniz University Hannover Xiaodan Ren, Tongji University Jie Li, Tongji University</p>