



The Fifth International Conference on Damage Mechanics (ICDM5)

Date: 16th - 18th July 2025

Venue: National University of Singapore

<p>Mini Symposium Title</p>	<p>Sustainable mechanical performance of cementitious materials</p>
<p>Short description on the focus of the Mini Symposium</p>	<p>This mini-symposium aims to explore the mechanical performance of cementitious materials in the context of sustainability. As the demand for sustainable construction materials grows, understanding the mechanical behavior and durability of innovative cementitious materials is crucial. This symposium will provide a platform to discuss recent advances in the design, modeling, and testing of sustainable cement-based materials, focusing on enhancing their mechanical properties while reducing their environmental impact.</p> <ul style="list-style-type: none"> ● Mechanical behavior of low-carbon cementitious materials ● Durability and performance under extreme environmental conditions ● Modeling and simulation of cement-based materials ● Experimental techniques for characterizing mechanical performance ● Life-cycle assessment and mechanical performance correlation ● Innovative additives and their impact on material strength and sustainability ● Structural applications and long-term performance of sustainable cementitious materials
<p>Organizers</p>	<p>Qi Luo, National University of Singapore/ Chongqing Jiaotong University Guoqing Geng, National University of Singapore Lizhi Sun, University of California, Irvine Jiann-Wen Woody Ju, University of California, Los Angeles</p>