



EMI 2025

Anaheim, California | May 27-30

UCI Samueli School of Engineering | University of California, Irvine



MS Q5J9M: MECHANICS AND PHYSICS OF GRANULAR MATERIALS - 25TH ANNIVERSARY OF THE TECHNICAL COMMITTEE

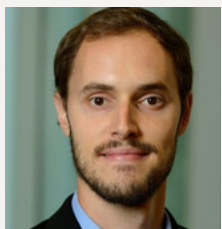


Nearly every product, commodity, or piece of infrastructure is constituted from, derived from, or supported by particulate or granular materials which themselves are derived from mining, agriculture, and/or chemical processing. Granular materials are also featured in applications ranging from the development of novel composite materials with tailored properties to the construction of foundations and earthworks and the design of blast and penetration resistant structures. As ubiquitous constituents of industrial processes and geophysical phenomena, these materials operate in regimes extending from quasi-static deformation to rapid, collision-dominated flows. While systems composed of granular or bulk solids share common properties over a very wide range of particle sizes, their macroscopic behaviors are entirely dependent on the microstructural and micromechanical properties of their grains and their interactions.

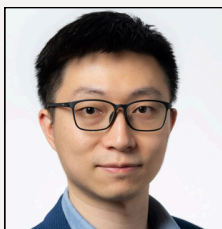
In celebration of the **25th Anniversary of the EMI Granular Materials Technical Committee (GMTC)**, this symposium focuses on the mechanics of granular systems over a broad range of scales and phase regimes. Contributions to this symposium will feature theoretical, computational, and experimental studies carried out with the goal of understanding the mechanical and physical properties of granular materials from both continuum and discrete perspectives. Contributions that examine and celebrate the history of the GMTC over the past 25 years are also welcomed.

Abstract submission deadline: Dec. 1, 2024
Early registration begins: Jan. 1, 2025
Author acceptance notices: Jan. 1, 2025

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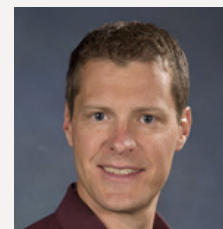
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