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RECENT ADVANCES IN PHASE-FIELD MODELING AND SIMULATIONS

300 (MULTISCALE AND MULTIPHYSICS SYSTEMS)

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ABSTRACT

The phase-field method has emerged as the most powerful numerical tool to simulate material microstructure evolutions in the mesoscopic scale, and is now widely used to express the complicated morphological changes in multiphysics and multiscale problems. This mini-symposium focuses on the recent advances in phase-field modelling and simulations in various fields, such as multiphase flow, topology optimization, crack propagation, biomechanics as well as material science. We welcome you to submit your abstracts to this mini-symposium.