Mechanics of Heterogeneous Solids and Composite Materials


The 14 papers presented in this special issue reflect the current trends and latest developments in mechanics of heterogeneous solids and composite materials. The topics discussed in these papers are broad and diverse, covering analysis, modeling, simulation, experimentation, and design of heterogeneous and composite materials. It is believed that this special issue is a valuable and timely publication which is aligned with the Materials Genome Initiative for Global Competitiveness released by the White House in June 2011.

All of the 14 papers were rigorously reviewed and subsequently revised by following the established peer-review procedure of the ASME journals. The guest editors appreciate the contributions from and the cooperation of the authors. They are also grateful to the reviewers for their constructive and critical comments, which led to improvements in the technical quality and/or the presentation clarity in all cases.

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