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The journal has as its objective the publication and wide electronic dissemination of innovative and consequential research in applied mechanics. It welcomes high-quality original research papers in all aspects of applied mechanics from contributors throughout the world. The journal aims to promote international exchange of new knowledge and recent development information in all aspects of applied mechanics. In addition to cover the classical branches of applied mechanics, namely solid mechanics, fluid mechanics, thermodynamics, and material science, the journal also encourages contributions from the newly emerging areas such as biomechanics, electromechanics, the mechanical behavior of advanced materials, nanomechanics, and many other inter-disciplinary research areas in which the concepts of applied mechanics are extensively applied and developed.

Best Papers

1. QIANG LU and RUI HUANG, **NONLINEAR MECHANICS OF SINGLE-ATOMIC-LAYER GRAPHENE SHEETS** Vol. 1 No. 3 Page: 443-467, DOI No: 10.1142/S1758825109000228
2. ZHAO QIN, STEVEN CRANFORD, THEODOR ACKBAROW and MARKUS J BUEHLER, **ROBUSTNESS-STRENGTH PERFORMANCE OF HIERARCHICAL ALPHA-HELICAL PROTEIN FILAMENTS**, Vol. 1 No. 1 Page: 85-112 DOI No: 10.1142/S1758825109000058
3. BOYCE E. GRIFFITH, XIAOYU LUO, DAVID M. McQUEEN and CHARLES S. PESKIN, **SIMULATING THE FLUID DYNAMICS OF NATURAL AND PROSTHETIC HEART VALVES USING THE IMMERSED BOUNDARY METHOD**, Vol. 1 No. 1 Page: 137-177, DOI No: 10.1142/S1758825109000113



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Dr. Zishun Liu is a Research Scientist at Institute of High Performance Computing, Singapore. He also holds Adjunct Professorships at Xi'an Jiaotong University, Shanghai University and National University of Singapore. His research interests are in the areas of Computational Solid Mechanics & Biomechanics, Mechanics of Soft Materials, Nanoindentation, Vibro-Acoustic. He has published over 100 scientific publications. Dr. Liu is an Editor-In-Chief of Int. Journal of Applied Mechanics and serves on a few editorial boards, including Int. Journal of Computational Method; Guest editor of Computational Materials Science; Chinese Journal of Applied Mechanics; Multidisciplinary Modeling in Materials and Structures.

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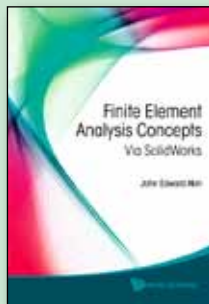
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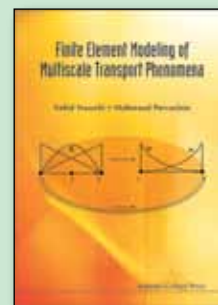
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