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Challenges in Mechanics of Time Dependent Materials, Mechanics of Biological Systems and Materials & Micro-and Nanomechanics, Volume 2

Proceedings of the 2021 Annual Conference and Exposition on Experimental and Applied Mechanics

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Description:

Challenges in Mechanics of Time-Dependent Materials, Mechanics of Biological Systems and Materials, and Micro-and Nanomechanics, Volume 2 of the Proceedings of the 2021 SEM Annual Conference & Exposition on Experimental and Applied Mechanics, the second volume of four from the Conference, brings together contributions to this important area of research and engineering. The collection presents early findings and case studies on fundamental and applied aspects of Experimental Mechanics, including papers in the following general technical research areas:

- Characterization Across Length Scales
- Extreme Conditions & Environmental Effects
- Damage, Fatigue and Fracture
- Structure, Function and Performance
- Rate Effects in Elastomers
- Viscoelasticity & Viscoplasticity
- Research in Progress

Keywords: Characterization Across Length Scales Extreme Conditions & Environmental Effects Damage, Fatigue and Fracture Structure, Function and Performance Rate Effects in Elastomers Viscoelasticity & Viscoplasticity Research in Progress Extreme Nanomechanics In-Situ Nanomechanics Expanding Boundaries in Metrology

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