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Nota di contenuto	1.Thermal Degradation of Extension Springs -- 2.Effect of Applied Temperature and Strain Rate on Laser Welded Stainless Steel Structures -- 3.Process Modeling for Forging, Machining, and Welding Processes -- 4.Time-dependent Viscoplastic Model for Dislocation Generation During the Cooling Process in the Silicon Ingot -- 5.Interaction of Shock Wave With Granular Materials -- 6.Characterisation of Viscoelastic Material Properties During Curing Processes -- 7. Structure-property Relationships in Bimodal Polyethylene From Indentation Measurements -- 8.Prediction Validation of Thermal Aging Performance of Military Composite Bridges -- 9.Modeling Creep and Relaxation Caused by Phase Dissolution -- 10.Effects of Net and Solid Skins on Self-Supporting Lattice Structures -- 11.Hybrid Joining Through Additive Manufacturing.-.12.Time Dependent Response of Inconel 718.
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Proceedings of the 2015SEM Annual Conference& Exposition on Experimental and Applied Mechanics, the second volume of nine 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: Time-dependence in Metallic Materials Rate and Time Effects Additive Manufacturing General Materials Response.