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Nota di contenuto	Performance driven fan case design for durability evaluation in a blade impact event -- An atomistic study of activation parameters for plasticity evolution from a pristine and damaged grain boundary in Nickel -- Viscoplastic Constitutive Parameters for Inconel alloy-625 at 843K -- Design of Shock Absorber for Radioactive Coolant Tube Transportation Cask and Impact Analysis of Cask with Shock Absorber -- Design, Impact and Thermo-Mechanical Analysis of Radioactive Surveillance Specimen Transportation Cask -- Modified Cowper-Symonds Model for Predicting the Stress-Strain Behaviour of SA516 Gr. 70 Carbon Steel.
Sommario/riassunto	This book comprises the proceedings of the 3rd Structural Integrity

Conference and Exhibition (SICE 2020). The contents of the volume focus on structural integrity, life prediction, and condition monitoring which are reclassified under the domains of aerospace, fracture mechanics, fatigue, creep-fatigue interactions, civil structures, experimental techniques, computation mechanics, structural health monitoring, nondestructive testing, failure analysis, materials processing, stress corrosion cracking, reliability and risk analysis. This book will be a useful reference for students, researchers and practitioners.