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Nota di contenuto	Slip Line Fracture Mechanics: A New Regime of Fracture Mechanics / FA McClintock -- Fatigue and Fracture Behavior of Moment Frame Connections Under Seismic Loading (Northridge Earthquake) / JM Barsom -- A Structural Integrity Procedure Arising from the SINTAP Project / S Webster, A Bannister -- Failure Beneath Cannon Thermal Barrier Coatings by Hydrogen Cracking; Mechanisms and Modeling / JH Underwood, GN Vigilante, E Troiano -- Experiences and Modeling of Hydrogen Cracking in a Thick-Walled Pressure Vessel / E Troiano, GN Vigilante, JH Underwood -- High Cycle Fatigue Threshold in the Presence of Naturally Initiated Small Surface Cracks / MA Moshier, T Nicholas, BM Hillberry -- Effects of Thermomechanical Fatigue Loading on Damage Evolution and Lifetime of a Coated Super Alloy / M Bartsch, K Mull, C Sick -- A Hybrid Approach for Subsurface Crack Analyses in Railway Wheels under Rolling Contact Loads / M Guagliano, M Sangirardi, L Vergani -- Cell Model Predictions of Ductile Fracture in Damaged Pipelines / C Ruggieri, E Hippert -- Multiaxial Fatigue Analysis of Interference-Fit Steel Fasteners in Aluminum Al 2024-T3 Specimens / G Shatil, AG Page -- Applications of Scaling Models and the Weibull Stress to the Determination of Structural Performance-Based Material Screening Criteria / SM Graham, J Mercier -- Plane Stress Mixed Mode Crack-Tip Stress Fields Characterized by a Triaxial Stress Parameter and a Plastic Deformation Extent Based Characteristic Length / F Ma, MA Sutton, X Deng -- Constraint Effect on 3-D Crack-Front Stress Fields in Elastic-Plastic Thin Plates / XK Zhu, Y Kim, YJ

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Sommario/riassunto

Covering the whole of Asia and the Pacific region, this text provides both an analytic overview and specific data for each of the 60 countries. Introductory chapters cover regional issues, including: a regional review with the year's trends, developments and key events' analysis of the threat of terrorism in the region; the effects of deflation on the economy; the water crisis and its impact on the poor; and the successes and failures of micro-credit in the region.