

Advances in Fracture and Failure Prevention (Key Engineering Materials)



The Far East and Oceanic Fracture Society (FEOFS) and the Center for Physics and Chemistry of Fracture and Failure Prevention (PCFP) jointly organized as a series pair of each conference, FEOFS 2003 and 2nd ICPCF, on October 20-22 at Tohoku University, Sendai, Japan. These resultant proceedings present the latest findings and ideas from of engineers and scientists involved in studying the fracture and strength of solids all around the world. The two two-volumes set features 271 peer-reviewed contributed papers from scientists and engineers coming from 30 different countries. All papers have been peer review. These We were pleased to be able to include the papers of arising from plenary lectures and keynote lectures which give gave a broad review overview of the state state-of of-the-art of fracture research and failure prevention. It is strongly hoped that the new ideas and results presented in these proceedings will stimulate and enhance the progress of in the fracture mechanics research and in the fundamental understandings on of fracture and failure prevention of in structures. The book is divided into the following sections: Invited Lecture; Fracture and Fracture Mechanics; Dynamic Behavior of Solids; Interfacial Problems; Electrical Devices and Systems; Computational Analyses and Fracture Simulations; Optimization; Invited and Keynote Lecture; Physics & Chemistry of Fracture and Failure Prevention; Fatigue and Creep; Corrosion and Damage Evaluation; Composite Materials; Measurement Methods.

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