

FATIGUE & FRACTURE

of

ENGINEERING
MATERIALS

&

STRUCTURES

The International Journal

Editor-in-Chief: K. J. Miller

Volume 17 Number 4 April 1994

The official journal of



the European Structural Integrity Society

FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES

The International Journal

Vol. 17, No. 4

CONTENTS

1994

- | | | |
|---|-----|--|
| J. Schijve | 381 | Fatigue Predictions and Scatter |
| A. H. Rosenberger and H. Ghonem | 397 | Influence of Creep-Fatigue Interaction on High Temperature Fatigue Crack Growth Behavior of Ti-1100 |
| J. Y. Xiao and C. Bathias | 411 | Strength Prediction and Damage Mechanisms of Glass/Epoxy Woven Laminates with Circular Holes |
| J. C. Newman, Jr | 429 | A Review of Modelling Small-Crack Behavior and Fatigue-Life Predictions for Aluminum Alloys |
| N. Eswara Prasad, S. V. Kamat, G. Malakondaiah and V. V. Kutumbarao | 441 | Static and Dynamic Fracture Toughness of an Al-Li 8090 Alloy Plate |
| T. C. Lei, G. Y. Lin and Y. X. Cui | 451 | Dislocation Substructures in Ferrite of Plain Carbon Dual-Phase Steels after Fatigue Fracture |
| D. J. Nicholls | 459 | The Relation Between Crack Blunting and Fatigue Crack Growth Rates |
| B. Wang, W. Yang and K.-C. Hwang | 469 | An Engineering Fracture Parameter for Non- <i>J</i> -Controlled Crack Growth |
| R. P. Skelton | 479 | The Determination of Hysteresis Loops in Thermo-Mechanical Fatigue Using Isothermal Stress-Strain Data |
| R. J. Rider, S. J. Harvey and I. D. Charles | 497 | Ratchetting in Pressurised Pipes |
| | IV | Information on Conferences/Seminars |

Fatigue Fract. Engng Mater. Struct. is indexed/abstracted in Appl. Mech. Rev.; Curr. Cont. ASCA; Camb. Sci. Abstr.; Curr. Cont./Engng Tech. Appl. Sci.; Engng Ind.; INSPEC Data.; Mater. Sci. Cit. Ind.; PASCAL-CNRS Data.; Curr. Cont. SCISEARCH Data.

ISSN 8756-758X
FFEMS 17(4) 381-500 (1994)