

# Fatigue & Fracture of Engineering Materials & Structures

Editor-in-Chief: K. J. Miller

Associate Editors-in-Chief: Y. Murakami & D.F. Socie

Ref: C 2 PF 171198/01 Df: 2774518-  
FATIGUE & FRACTURE OF ENGINEERING MATERI  
01.04.99 Vol. 22 No. 4  
8756-758X 22101144 22.07.99  
LIBRIS  
144 BOULEVARD KRIM BELKACEM  
ALGER  
ALGERIE

Published in co-operation with:  
American Society for Testing & Materials ASTM Committee E08 on Fatigue & Fracture  
& The European Structural Integrity Society

<http://www.blackwell-science.com/ffe/>

**b**  
Blackwell  
Science

# Fatigue & Fracture of Engineering Materials & Structures

Volume 22 Number 4 April 1999

## Contents

### Original articles

- 257 *M. Lang and G. Marci*  
The influence of single and multiple overloads on fatigue crack propagation
- 273 *S. R. Daniewicz*  
Smoothing and differentiating load-displacement data using a low-pass filter for improved crack opening load estimates
- 281 *K. Tokaji, H. Shiota and K. Kobayashi*  
Effect of particle size on fatigue behaviour in SiC particulate-reinforced aluminium alloy composites
- 289 *Y. Nadot, J. Mendez, N. Ranganathan and A. S. Beranger*  
Fatigue life assessment of nodular cast iron containing casting defects
- 301 *T. Fett*  
Stress intensity factors for edge-cracked plates under arbitrary loading
- 307 *B. U. Wittkowsky, P. R. Birch, J. Dominguez and S. Suresh*  
An apparatus for quantitative fretting fatigue testing
- 321 An update for the index and data-base for fatigue and fracture research. Volumes 20 and 21 (1997 and 1998)
- 323 Subject index, Volume 20
- 341 Paper titles/author index, Volume 20
- 348 Subject index, Volume 21
- 362 Paper titles/author index, Volume 21
- I Information on conferences/seminars

**b**

Blackwell  
Science



8756-758X(199904)22:4;1-C

*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 and Referativnyi Zhurnal Moscow.

Information on this journal can be accessed at  
<http://www.blackwell-science.com/ffe/>

Typeset, Printed and Bound by The Charlesworth Group,  
Huddersfield, UK