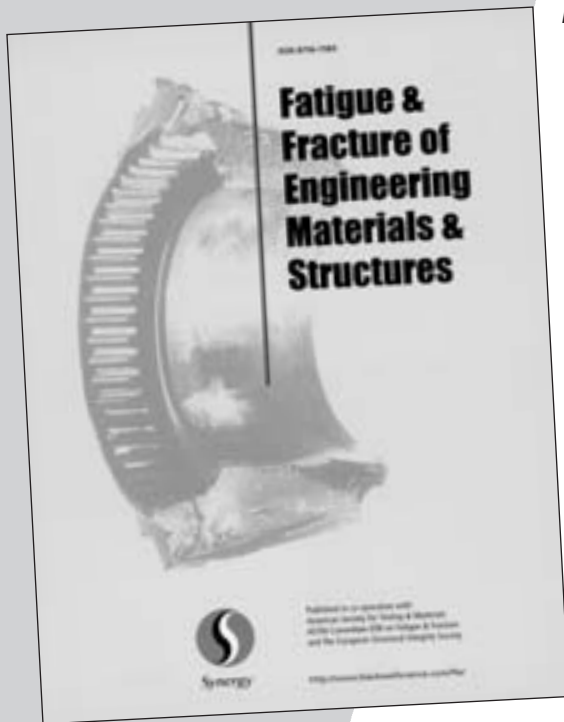


Wheel Rail Special for **only £35**

(+p&p)



Exclusive offer to CM2003 delegates

As a result of several devastating recent accidents, the general public has become painfully aware of the consequences of cracking problems in wheels, rails and in both. However, what is not generally known is the range of research into these phenomena in industrial and academic research groups world-wide, and the developments emerging to monitor and control such problems both now and in the future. This research and development requires the diverse expertise of specialists in a number of fields; mechanical and materials engineers, those with deep knowledge of railway operation, monitoring and maintenance, specialists in non-destructive testing, and others.

This volume contains a group of papers from leading research groups world-wide. The scene is set by three review articles, which are followed by twelve key research papers from recognised expertise in the field. The papers are introduced by the Editor, Roger Lunden, of CHARMEC, Sweden, who has drawn together the contributions from this truly international enterprise.

The usual price of this journal is £49.50 but Blackwell Publishing is delighted to offer this special issue to CM2003 delegates for the exclusive price of £35 (plus p&p).

This Wheel Rail Special will be dispatched to you upon its publication in October 2003.

The three scene setting review articles

D F Cannon, K-O Edel, S L Grassie, K Sawley
Rail Defects – an Overview

R A Smith
The Wheel/Rail Interface – Some Recent Accidents

S Iwnicki
Simulation of Wheel/Rail Contact Forces

Key research contributions

E J M Hiensch, F J Franklin, J C O Nielsen, J W Ringsbert, G J Weeda, A Kapoor, B L Josefson **Prevention of RCF Damage in curved track through development of the INFRA-STAR two-material rail**

J Ringsberg, A Bergkvist **On propagation of short rolling contact fatigue cracks**

E Magel, J Kalousek, M Roney, P Sroba **The blending of theory and practice in modern rail grinding**

A Bohmer, M Ertz, K Knothe **Shakedown limits of rail surfaces including thermal stresses**

F J Franklin, T Chung, A Kapoor **Ratchetting and fatigue-led wear and crack initiation in Rail/wheel contact**

K Sawley, J Kirstan **Development of Bainitic Rail Steels with Potential Resistance to Rolling Contact Fatigue**

J J Marais, K C Mistry **Rail Integrity management by means of ultrasonic testing**

K Dang Van, M H Maitournam **Rolling contact in railways: modelling, simulation and damage prediction**

M Ishida, M Akama, K Kashiwaya, A Kapoor **The current status of theory and practise on rail integrity in Japanese railways – rolling contact fatigue and corrugations**

F D Fischer, W Daves, E A Werner **On the Temperature in the Wheel/Rail Rolling Contact**

D Fletcher, F J Franklin, A Kapoor **Image analysis to reveal crack development using a computer simulation of wear and rolling contact fatigue**

Y Berthier **Friction and Lubrication**

Order Form

Please return this order form to Helen Borrie at Blackwell Publishing Ltd, 9600 Garsington Road, Oxford OX4 2DQ UK.

Tel: +44 (0) 1865 476537, Fax: +44(0) 1865 471537 or order your copy by email: helenborrie@oxon.blackwellpublishing.com

Please send me _____ copies of **Fatigue & Fracture of Engineering Materials & Structures**

Special Wheel Rail Issue (Vol 26:11 Special) at £35.00 plus £3 p&p

Customers in the UK and EU should add 5% for VAT, or provide a VAT registration number or evidence of entitlement to exemption.

I enclose a cheque for £_____ (payable to Blackwell Publishing)

Please debit my Access/ AMEX/ Eurocard/ Mastercard for £_____ including VAT if necessary

Card Number _____ Expiry Date ____ / ____

Signature _____

Name _____

Address _____

Postcode _____ Country _____

We may use the information you give us within Blackwell Publishing and its associated companies to notify you occasionally about important changes and new services, and about publications that may be of interest to you. If you would rather not receive this information, please tick here