

JOURNAL OF  
**STRAIN ANALYSIS FOR  
ENGINEERING DESIGN**

(712C0060)

00206



10-W5102 -8

Volume 45 Issue 8 November 2010 ISSN 0309-3247

**CONTENTS**

- An experimental and numerical investigation of the static and dynamic constitutive behaviour of aluminium alloys** 555  
S Abotula and V B Chalivendra
- An assessment of the effect of cutting welded samples on residual stress measurements by chill modelling** 567  
M Law, O Kirstein, and V Luzin
- Towards uncertainty evaluation in photoelastic measurements** 575  
M Solaguren-Beascoa Fernández
- Comparison of stress relaxation and creep strain rates for the superalloy IN738LC** 587  
J Beddoes and T Mohammadi
- Stress concentrations in keyways and optimization of keyway design** 593  
N L Pedersen
- Boundary element analysis of thermo-elastic problems with non-uniform heat sources** 605  
M Mohammadi, M R Hematiyan, and M H Aliabadi
- Welded T-joint connections of square thin-walled tubes under a multi-axial state of stress** 629  
R Moazed, R Fotouhi, W Szyszkowski, and D Bitner
- Analytical and numerical development of the incremental core-drilling method of non-destructive determination of in-situ stresses in concrete structures** 647  
C Trautner, M McGinnis, and S Pessiki
- Retraction notice** 659
- Author Index 2010** 661