

Contents

SPECIAL ISSUE ON STRAIN MEASUREMENT IN EXTREME ENVIRONMENTS

Editorial

R 'Ty' Pollak and J Lambros

Special Issue Articles

- Digital image correlation at high temperatures for fatigue and phase transformation studies 202
MJ Holzweissig, P Kanagarajah and HJ Maier
- Analysis of displacement fields from a high-speed impact using shape descriptors 212
RL Burguete, G Lampeas, JE Mottershead, EA Patterson, A Pipino, T Siebert and W Wang
- High-temperature strain measurement using active imaging digital image correlation and infrared radiation heating 224
B Pan, D Wu and J Gao
- Digital image correlation study of mechanical response of nickel superalloy Hastelloy X under thermal and mechanical cycling: Uniaxial and biaxial stress states 233
B Swaminathan, J Lambros and H Sehitoglu
- High-temperature fatigue strength of a copper-cobalt-beryllium alloy 244
F Berto, P Lazzarin and P Gallo
- Combining X-ray microtomography and three-dimensional digital volume correlation to track microstructure evolution during sintering of copper powder 257
SA McDonald and PJ Withers