	Contents	
C400/021	Built-in confidence with phenolic GRP K L Forsdyke	1
C400/015	Deformation micromechanics in high modulus fibres and composites R J Day, P P Ang and R J Young	13
C400/025	A three-dimensional stress-transfer model for cross-ply laminates of finite width containing transverse cracks L N McCartney	19
C400/058	Collapse behaviour of CFRP domes under external pressure J Błachut, G D Galletly and A G Gibson	27
C400/030	Analysis of flexural failure process of hybrid composite materials S Takada, K Tsukui and I Kimpara	35
C400/014	Mechanisms of failure in bonded CFRP single lap joints with different stacking sequences K C Kairouz and F L Matthews	47
C400/037	High-strength reinforced thermoplastic sheet — a post-forming advanced composite material R Becker and G Goldmann	61
C400/026	Advanced thermoplastic matrix composites in mechanical applications <i>H J Gysin</i>	69
C400/007	Compressive behaviour of multi-directional glass/carbon hybrid laminates G Kretsis, G A O Davies, F L Matthews and J Morton	75
C400/040	A new technique for assessing the compressive behaviour of single filaments C Galiotis, N Melanitis and H Jahankhani	81
C400/022	A predictive model for the mechanical behaviour of transverse fibre composites <i>FJ Guild, PJ Hogg and PJ Davy</i>	89
C400/061	Pultrusion process: Nylon 6/glass fibres H Bijsterbosch and R J Gaymans	101
C400/046	Compliance of composite reinforcement materials JA Quinn and JE Randall	105
C400/012	Predicting the resin transfer moulding (RTM) cycle CDRudd, MJOwen, V Middleton, SJPickering and FN Scott	113
C400/031	Manufacturing technology of continuous fibre-reinforced amorphous thermoplastics N van Loo and W H M van Dreumel	125
C400/034	Induction welding of thermoplastic composites G Williams, S Green, J McAfee and C M Heward	133
C400/019	The impact response of composites under stress N Park	137
C400/048	The measurement and modelling of filament wound pipes undergoing transverse impacts K.L. Ainsworth and K.E. Evans	143

C400/038	The response of GRP sandwich panels to dropped object impact loading RAW Mines, CM Worrall and AGGibson	149
C400/052	Experimental measurement of the mechanical properties of fibre-reinforced plastics under impact loading S Ujhashi, K Sakanoue, T Adachi and H Matsumoto	157
C400/049	Microstructure-property relationships in SiC fibre-reinforced borosilicate glass composites D W Shin and K M Knowles	163
C400/041	Dimensional changes during thermal cycling of short fibre-reinforced metal matrix composites C M Warwick and T W Clyne	169
C400/009	The fabrication of ceramic/ceramic composites WJ Clegg and JD Birchall	179
C400/035	A surface analytical study of fracture processes in carbon-fibre-reinforced composites <i>F R Jones</i>	185
C400/055	Influence of stress concentrations due to circumferential steps on the strength of filament wound glass-fibre-reinforced plastic tubes J Lee, P D Soden and M J Hinton	189
C400/045	Engineering properties of long and short glass-fibre-reinforced polypropylene compounds DR Moore, I M Robinson and B Slater	203
C400/032	Damage accumulation during the fatigue of a glass-reinforced nylon composite SA Hitchen and SL Ogin	215
C400/036	Moisture diffusion and matrix plasticization in environmental stress cracking of glass-fibre-reinforced plastics FR Jones	223
C400/043	Failure mechanisms in uniaxial compression of fibre composites <i>J F Harpur and T O Heumann</i>	231
C400/029	Development of new processes for the volume production of polymer composite artefacts <i>S F Bush</i>	237
C400/024	The effect of low-velocity impact damage on the fatigue performance of a woven carbon-fibre-reinforced plastic MS Found, I C Howard and M Oxley	245
C400/056	Ceramic matrix composites — a new generation of reliable engineering materials A R Hyde and G Partridge	253
C400/028	Damage development in glass matrix composite laminates A W Pryce, M C Hill and P A Smith	263
C400/017	Environmental degradation of graphite/epoxy composites R J Chester	273
C400/027	Laboratory scale processing of SiC-Ti6A14V composites R Leucht, H J Dudek and G Ziegler	279
1		