

composites

Part A: applied science and manufacturing

Editor-in-Chief and European Editor for Applied Science and Manufacturing

Professor Michael R Wisnom, Department of Aerospace Engineering, University of Bristol, Oceans Building, University Walk, Bristol BS8 1TR, UK

North American Editor for Manufacturing

Professor S Advani, Professor of Mechanical Engineering, 126 Spencer Laboratory, University of Delaware, Newark, DE 19716, USA

Designer's Corner Co-ordinator

Professor K T Kedward, Department of Mechanical and Environmental Engineering, University of California, Santa Barbara, CA 93106-5070, USA

North American Editor for Applied Science

Professor J A Nairn, Department of Wood Science and Engineering, Oregon State University, 119 Richardson Hall, Corvallis, Oregon 97331-5751, USA

Asian Editor for Applied Science

Professor N Takeda, Mail Box 302, Dept. Advanced Energy, Graduate School of Frontier Sciences, The University of Tokyo, 5-1-5, Kashiwanoha, Kashiwa-city, Chiba 277-8561, Japan

Editorial Board

M G Bader, University of Surrey, Guildford, UK
A A Baker, DSTO-Aeronautical & Maritime Research Laboratory, Victoria, Australia
A R Bunsell, Ecole Nationale Supérieure des Mines de Paris, France
I Crivelli Visconti, University of Naples, Italy
P T Curtis, Defence Evaluation Research Agency, Farnborough, UK
I M Daniel, Northwestern University, Evanston, IL, USA
L T Drzal, Michigan State University, MI, USA
K Friedrich, University of Kaiserslautern, Germany
A G Gibson, University of Newcastle, UK
H Hamada, Kyoto Institute of Technology, Japan
F R Jones, University of Sheffield, UK
A Kelly, University of Cambridge, UK
J-K Kim, Hong Kong University of Science & Technology, Kowloon, Hong Kong
I Lee, Korea Advanced Institute of Science and Technology, Daejeon, Korea
J-A E Manson, EPFL, DMX-LTC, Lausanne, Switzerland

G Marom, The Hebrew University of Jerusalem, Israel
S Nutt, University of Southern California, Los Angeles, CA, USA
T K O'Brien, NASA Langley Research Centre, Hampton, VA, USA
R Parnas, University of Connecticut, Storrs, CT, USA
T Peijs, Eindhoven University of Technology, The Netherlands
A Poursartip, University of British Columbia, Vancouver, BC, Canada
S Ramakrishna, National University of Singapore, Singapore
M Z Rong, Zhongshan University, Guangzhou, China
C Rudd, University of Nottingham, UK
P Smith, University of Surrey, Guildford, UK
J Summerscales, University of Plymouth, UK
I Verpoest, Katholieke Universiteit Leuven, Heverlee, Belgium
Z Zhang, National Center for Nanoscience and Technology, Beijing, China

For a full and complete Guide for Authors, please go to: <http://www.elsevier.com/locate/compositesa>

SUBSCRIPTIONS

Publication information: *Composites Part A* (ISSN 1359-835X). For 2008, volume 39 is scheduled for publication. Subscription prices are available upon request from the Publisher or from the Regional Sales Office nearest you or from this journal's website (<http://www.elsevier.com/locate/compositesa>). Further information is available on this journal and other Elsevier products through Elsevier's website (<http://www.elsevier.com>). Subscriptions are accepted on a prepaid basis only and are entered on a calendar year basis. Issues are sent by standard mail (surface within Europe, air delivery outside Europe). Priority rates are available upon request. Claims for missing issues should be made within six months of the date of dispatch. **Orders, claims, and journal enquiries:** please contact the Customer Service Department at the Regional Sales Office nearest you: **Orlando:** Elsevier, Customer Service Department, 6277 Sea Harbor Drive, Orlando, FL 32887-4800, USA; phone: (+1) (877) 8397126 or (+1) (800) 6542452 [toll free number for US customers], or (+1) (407) 3454020 or (+1) (407) 3454000 [customers outside US]; fax: (+1) (407) 3631354 or (+1) (407) 3639661; e-mail: usjcs@elsevier.com or elspcs@elsevier.com. **Amsterdam:** Elsevier, Customer Service Department, PO Box 211, 1000 AE Amsterdam, The Netherlands; phone: (+31) (20) 4853757; fax: (+31) (20) 4853432; e-mail: nlinfo-f@elsevier.com. **Tokyo:** Elsevier, Customer Service Department, 4F Higashi-Azabu, 1-Chome Bldg, 1-9-15 Higashi-Azabu, Minato-ku, Tokyo 106-0044, Japan; phone: (+81) (3) 5561 5037; fax: (+81) (3) 5561 5047; e-mail: jp.info@elsevier.com. **Singapore:** Elsevier, Customer Service Department, 3 Killiney Road, #08-01 Winsland House I, Singapore 239519; phone: (+65) 63490222; fax: (+65) 67331510; e-mail: asiainfo@elsevier.com. **USA mailing notice:** *Composites Part A* (ISSN 1359-835X) is published monthly by Elsevier Ltd. (The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK). Annual subscription price in the USA US\$ 2815 (valid in North, Central and South America), including air speed delivery. Combined annual subscription to *Composites Parts A and B* is US\$ 4495. Periodical postage rate paid at Rahway NJ and additional mailing offices. **USA POSTMASTER:** Send address changes to: *Composites Part A*, Elsevier, 6277 Sea Harbor Drive, Orlando, FL 32887-4800. **AIRFREIGHT AND MAILING** in the USA by Mercury International Limited, 365 Blair Road, Avenel, NJ 07001.