

well as a valuable addition to any collection of reference books.

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Fiber Reinforcement for Composite Materials. Edited by A. R. Bunsell, Elsevier, New York 1988, ix, 538 pp., bound, US\$ 171. — ISBN 0-444-42801-1


This book is the second volume of a publication series on composite materials edited by R. B. Pipes (Center of Composite Materials, University of Delaware). It deals with various types of synthetic fibers used as reinforcements in advanced composite materials. This volume is subdivided into various chapters giving a clear description of the manufacture, structures and applications of the different fibers, as well as a brief compilation of characterizing methods for single fibers. The chapters are authored by internationally well-known experts and arranged as follows: Chapter 1. A. R. Bunsell: Fiber development for composite materials. Chapter 2. P. K. Gupta: Glass fibers for composite materials. Chapter 3. E. Fitzer, M. Heine: Carbon fiber manufacture and surface treatment. Chapter 4. A. Oberlin, M.

Guigon: The structure of carbon fibers. Chapter 5. G. Calundann, M. Jaffe, R. S. Jones, H. Yoon: High performance organic fibers for composite reinforcement. Chapter 6. H. H. Yang: Aramid fibers. Chapter 7. P. Bouriot: Polyester and polyamide fibers for elastomeric matrix composite materials. Chapter 8. F. E. Wawner, Jr.: Boron and silicon carbide/carbon fibers. Chapter 9. A. R. Bunsell, G. Simon, Y. Abe, M. Akiyama: Ceramic fibers. Chapter 10. R. Hagege, A. R. Bunsell: Testing methods for single fibers.


The book gives a clear overview over the current "state of the art" and is very informative. However, the subdivision into CVD- and ceramic fibers is astonishing because the presented CVD-fibers are counted as ceramic fibers as well. The main interest of this volume is concerned with carbon, glass and organic fibers although fibers of interest in ceramic matrix composites have not been sufficiently covered. This is probably due to recent improvements of the known fibers and the development of new fibers. In summary this book is of great interest for scientists working with reinforcing components.

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Conference Calendar

The black hand symbol  denotes new entries into the calendar. Send information concerning conferences to the editorial office.

November 1989

- 11–14 **Solid-State Devices**
 19th Eur. Conf.
Berlin (West)
Contact: H.-C. Petzold, Fraunhofer-Inst. f. Mikrostrukturtechnik, Dillenburger Str. 53, D-1000 Berlin 33.
- 14–15 **Polypropylene**
Madrid (Spain)
Contact: D. Varley, Plastics and Rubber Inst., 11 Hobart Place, London SW1W 0HL, UK
- 14–17 **Superconductivity**
2nd Int. Symp.
Ibaraki (Japan)



Contact: ISS '89 Secr., ISTECC,
Eishin Kaihatsu Bldg., 34-3,
Shimbashi 5-chome,
Minato-ku, Tokyo 105, Japan.
Tel. 03/431-4002, Fax 03/431-4044

- 22–24 **Euromat '89**
Eur. Conf. on Materials
Aachen (Fed. Rep. Germany)
Contact: Dtsch. Gesellsch. Metallkd., Adenauerallee 21,
D-6370 Oberursel, FRG
- 23–24 **Superconductivity**
Int. Conf.
Paris (France)
Contact: Dr. R. Suryanarayana, Lab. de physique des solides de Bellevue, CNRS,
F-92195 Meudon, France
- 27–29 **Electronic Packaging**
55th WE-Heraeus-Seminar
Bad Honnef (Fed. Rep. Germany)
Contact: Dr. V. Schäfer, WE-Heraeus-Stift., Heraeusstr. 12–14, D-6450 Hanau, FRG