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The following recently published books, relevant to materials science, have come to *MRS Bulletin's* attention. Some of the books listed here may be reviewed in future issues of *MRS Bulletin*.

**Books****Advanced Materials for Water Handling: Composites and Thermoplastics, 1st ed.,**

Derick V. Scott, Engineering Information Inc. and Elsevier Advanced Technology, Oxford, 1999, 500 pp., \$222.00, ISBN 1-85617-350-X.

**Advanced Polymer Processing Operations,**

Nicholas P. Cheremisinoff, William Andrew Publishing, Norwich, 1998, 287 pp., \$109.00, ISBN 0-8155-1426-3.

**Advances in Synthetic Materials: Twenty Years in Progress in Science and Technology,**

P. Bernier, S. Lefrant, and G. Bidan, Elsevier Science Review, Amsterdam, 1999, 452 pp., \$176.97, ISBN 0-444-72003-0.

**Atom Probe Tomography, Analysis at the Atomic Level,**

M.K. Miller, Kluwer Academic/Plenum Publishers, New York, 2000, 239 pp., \$72.50, ISBN 0-306-46415-2.

**The Binns Medalists,**

Margaret Carney, The American Ceramic Society, Westerville, 2000, 133 pp., \$25.00.

**Bioceramics: Materials and Applications III, Ceramic Transactions, Vol. 110,**

Laurie George, Richard P. Rusin, Gary S. Fischman, and Vic Janas, eds., The American Ceramic Society, Westerville, 2000, 198 pp., \$95.00, ISBN 1-57498-102-1.

**Boing-Boing the Bionic Cat,**

Larry L. Hench, The American Ceramic Society, Westerville, 2000, 48 pp., \$17.00, ISBN 1-57498-109-9.

**Cemented Tungsten Carbides, Production, Properties, and Testing,**

Gopal S. Upadhyaya, William Andrew Publishing, Norwich, 1998, 403 pp., \$139.00, ISBN 0-8155-1417-4.

**Ceramic Technology and Processing,**

Alan G. King, William Andrew Publishing, Norwich, 2000, 450 pp., \$145.00, ISBN 0-8155-1443-3.

**Ceramics and Ceramic Composites:**

**Materialgraphic Preparation,** G. Ellsner, H. Hoven, G. Kiessler, and P. Wellener, Elsevier Science Review, Amsterdam, 1999, 184 pp., \$96.50, ISBN 0-444-10030-X.

**Characterization of High-Tc Materials & Devices by Electron Microscopy,**

Nigel D. Browning and Stephen J. Pennycook, Cambridge University Press, Cambridge, 2000, 391 pp., \$100.00, ISBN 0-521-55490-X.

**Color Science, Concepts and Methods,**

**Quantitative Data and Formulae, 2d ed.,** Günther Wyszecki & W.S. Stiles, John Wiley & Sons, New York, 2000, 950 pp., \$59.95, ISBN 4-471-39918-3.

**Coloring Technology for Plastics,**

Ronald M. Harris, William Andrew Publishing, Norwich, 1999, 333 pp., \$160.00, ISBN 1-884207-78-2.

**Comprehensive Dictionary of Earth Science,**

M. Moureau and G. Brace, Publications de

L'Institut Francais du Petrolole, Paris, 2000, 1152 pp., \$160.00, ISBN 2-7108-0749-1.

**Computational Methods in Surface and Colloid Science,**

Malgorzata Borowko, Marcel Dekker, Inc., New York, 2000, 984 pp., \$225.00, ISBN 0-8247-0323-5.

**Condensed Matter Physics,**

Michael P. Marder, John Wiley & Sons, New York, 2000, 895 pp., \$94.95, ISBN 0-471-17779-2.

**Conductive Polymers and Plastics in Industrial Applications,**

Larry Rupprecht, William Andrew Publishing, Norwich, 1999, 302 pp., \$160.00, ISBN 1-884207-77-4.

**Crystal-Field Engineering of Solid-State Laser Materials,**

Brian Henderson and Ralph H. Bartram, Press Syndicate of the University of Cambridge, Cambridge, 2000, 397 pp., \$95.00, ISBN 0-521-59349-2.

**Electronic Handbook of Optical Constants of Solids,**

Edward D. Palik and Gorachand Ghosh, Academic Press, San Diego, 1999, \$1800.00, ISBN 0-12-544455-9.

**Electrophysical Phenomena in the Tribology of Polymers,**

A.I. Sciridenok, A.F. Klimovich, and V.N. Kestelman, Gordon & Breach Science Publishers, Amsterdam, 1999, 192 pp., \$75.00, ISBN 90-5699-577-4.

**Elements of Plasticity, Theory and Computation,**

Ioannis Doltsinis, WIT Press, Southampton, 2000, 311 pp., \$183.00, ISBN 1-85312-702-7.

**The Encyclopedia of Materials Science and Technology,**

K.H. Jergen Buschow, Robert W. Cahn, Merton C. Flemings, Bernhard Ilshner, Edward J. Kramer, Subhash Mahajan, eds., Elsevier Science, Oxford, 2001, 10,000 pp., \$4,795.00, ISBN 0-08-043152-6.

**Encyclopedia of Separation Science,**

Ian D. Wilson, Mike Cooke, and Colin F. Poole, Academic Press, Orlando, 2000, 7500 pp., \$2400.00, ISBN 0-12-226770-2.

**Explorations in Glass,**

S. Donald Stookey, The American Ceramic Society, Westerville, 2000, 75 pp., \$24.00, ISBN 1-57498-124-2.

**Fluoroplastics: Vol. 1, Non-Melt Processible Fluoroplastics,**

Sina Ebnessajjad, William Andrew Publishing, Norwich, 2000, 450 pp., \$285.00, ISBN 1-884207-84-7.

**Gauge Field Theories, 2d ed.,**

Paul H. Frampton, John Wiley & Sons, New York, 2000, 343 pp., \$79.95, ISBN 0-471-34783-3.

**Glasses for Photonics,**

Masayuki Yamane and Yoshiyuki Asahara, Cambridge University Press, Cambridge, 2000, 271 pp., \$90.00, ISBN 0-521-58053-6.

**A Guide to Monte Carlo Simulations in Statistical Physics,**

David P. Landau and Kurt Binder, Cambridge University Press, Cambridge, 2000, 384 pp., \$100.00, ISBN 0-521-65366-5.

**Handbook of Advanced Electronic and Photonic Materials and Devices,**

Hari Singh Nalwa, Academic Press, Orlando, 2000, 5000 pp., \$3500.00, ISBN 0-12-513745-1.

**Handbook of Analytic Techniques in Concrete,**

V.S. Ramachandran and J.J. Beaudoin, William Andrew Publishing, Norwich, 2000, 985 pp., \$225.00, ISBN 0-8155-1437-9.

**Handbook of Ceramics Grinding and Polishing, Properties, Processes, Technology, Tools and Typology,**

Ioan D. Marinescu, Hans Kurt Tonshoff, and Ichiro Inasaki, William Andrew Publishing, Norwich, 2000, 450 pp., \$145.00, ISBN 0-8155-1424-7.

**Handbook of Chemical Vapor Deposition,**

Hugh O'Pierson, Noyes Publication, Norwich, 1999, 482 pp., \$139.00, ISBN 0-8155-1432-8.

**Handbook of Plasma Immersion Ion Implantation and Deposition,**

Andre Anders, ed., John Wiley & Sons, New York, 2000, 736 pp., \$150.00, ISBN 0-471-24698-0.

**Handbook of Thermoset Plastics,**

Sidney H. Goodman, William Andrew Publishing, Norwich, 1999, 525 pp., \$139.00, ISBN 0-8155-1421-2.

**Handbook of Thin Film Devices, Frontiers of Research, Technology, and Applications,**

Maurice H. Francombe, Academic Press, Atlanta, 2000, \$1800.00, ISBN 0-12-265320-3.

**Handbook of VLSI Lithography: Principles, Technology and Applications, 2d ed.,**

John Helbert, Noyes Publications, Norwich, 2000, 700 pp., \$179.00, ISBN 0-8155-1441-1.

**Hermeticity of Electronic Packages,**

Hal Greenhouse, Noyes Publications, William Andrew Publishing, Norwich, 2000, 400 pp., \$139.00, ISBN 0-8155-1435-6.

**Hydrothermal Technology for Crystal Growth,**

K. Byrappa, William Andrew Publishing, Norwich, 2000, 525 pp., \$155.00, ISBN 0-8155-1445-X.

**Imaging and Image Analysis Applications for Plastics,**

Benham Pourdeyhimi, William Andrew Publishing, Norwich, 1999, 308 pp., \$160.00, ISBN 1-884207-81-2.

**Interfacial Forces and Fields: Theory and Applications,**

Jyh-Ping Hsu, Marcel Dekker, New York, 1999, 680 pp., \$225.00, ISBN 0-8247-1964-6.

**Intermetallic Compounds: Basic Mechanical Properties and Lattice Defects of Intermetallic Compounds; Crystal Structures of Intermetallic Compounds; Magnetic, Electrical and Optical Properties and Applications of Intermetallic Compounds;**

**Magnetic, Electrical and Optical Properties and Applications of Intermetallic Compounds,** J.H. Westbrook and R.L. Fleischer, eds., John Wiley & Sons, West Sussex, 2000, \$200.00/4-vol. set, ISBN 0-471-60880-7.

**Joining of Plastics: Handbook for Designers and Engineers,**

Jordan Rotheiser, Hanser Gardner Publications, Cincinnati, 1999, 535 pp., \$129.00, ISBN 1-56990-253-4.

**Laser Cooling and Trapping,**

Harold J. Metcalf and Peter van der Straten, Springer-Verlag, New York, 1999, 323 pp., \$69.95, ISBN 0-387-98747-9.

**Lasers in Materials Science**, R.P. Agarwala, ed., Trans Tech Publications, Enfield, 1999, 324 pp., \$99.50, ISBN 0-87849-826-5.

**LIA Handbook of Laser Materials Processing**, John F. Reedy and Dave F. Farson, Laser Institute of America, Orlando, 600 pp., \$240.00, ISBN 0-912035-15-3.

**Magnetic Fields, A Comprehensive Theoretical Treatise for Practical Use**, Heinz E. Knoepfel, John Wiley & Sons, New York, 2000, 619 pp., \$125.00, ISBN 0-471-32205-9.

**Managing Science: Management for R&D Laboratories**, Claude Geles, Gilles Lindecker, Mel Month, and Christian Roche, John Wiley & Sons, New York, 2000, 359 pp., \$79.95, ISBN 0-471-18508-6.

**Mechanical Response of Polymers: An Introduction**, Alan S. Wineman and K.R. Rajagopal, Cambridge University Press, Cambridge, 2000, 317 pp., \$120.00, ISBN 0-521-64409-7.

**Mechatronic Systems Techniques and Applications: Vol. 1, Industrial Manufacturing**, Cornelius T. Leondes, Gordon & Breach Science Publishers, Amsterdam, 2000, 416 pp., \$139.00, ISBN 90-5699-670-3; **Vol. 2, Transportation and Vehicular Systems**, Cornelius T. Leondes, Gordon & Breach Science Publishers, Amsterdam, 2000, 410 pp., \$139.00, ISBN 90-5699-672-X.

**Mesoscopic Quantum Optics**, Yoshihisa Yamamoto and Atac Imamoglu, John Wiley & Sons, New York, 1999, 301 pp., \$79.95, ISBN 0-471-14874-1.

**Metalocene Technology in Commercial Applications**, George M. Benedikt, William Andrew Publishing, Norwich, 1999, 325 pp., \$160.00, ISBN 1-884207-76-6.

**Mold Shrinkage and Warpage Handbook**, Clive Maier, William Andrew Publishing, Norwich, 2000, 400 pp., \$285.00, ISBN 1-884207-72-3.

**National Trade and Professional Associations of the United States**, Buck Downs, Sarah E. White, Andrew G. Wood, and Nkosi O. Yearwood, Columbia Books Inc., Washington DC, 1999, 827 pp., \$99.00, ISBN 1-880873-33-8.

**New Carbons—Control of Structure and Functions**, Michio Inagaki, Elsevier Science,

Amsterdam, 2000, 240 pp., \$102.00, ISBN 0-08-043713-3.

**Nonlinear Interactions**, Ali H. Nayfeh, John Wiley & Sons, New York, 2000, 760 pp., \$110.00, ISBN 0-471-17591-9.

**Optoelectronic Properties of Semiconductors and Superlattices**, E. Herbert Li, Gordon & Breach Science Publishers, Amsterdam, 2000, 695 pp., \$110.00, ISBN 90-5699-689-4.

**Paint and Surface Coatings, 2d ed.**, R. Lambourne and T.A. Strivens, William Andrew Publishing, Norwich, 1999, 950 pp., \$285.00, ISBN 1-884207-73-1.

**Perturbation Methods**, Ali Hasan Nayfeh, John Wiley & Sons, New York, 1973, 425 pp., \$59.95, ISBN 0-471-39917-5.

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**Physics for Radiation Protection**, James E. Martin, John Wiley & Sons, New York, 2000, 713 pp., \$150.00, ISBN 0-471-35373-6.

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**Properties, Processing and Applications of Indium Phosphide**, T.P. Pearsall, ed., The Institution of Electrical Engineers, London, 2000, 279 pp., \$175.00, ISBN 0-85296-949-X.

**Rheology in Plastics Quality Control**, John M. Dealy and Peter C. Saucier, Hanser Gardner Publications, Cincinnati, 2000, 140 pp., \$78.00, ISBN 1-56990-286-0.

**Rheology Modifiers Handbook**, David B. Braun and Meyer R. Rosen, William Andrew Publishing, Norwich, 2000, 514 pp., \$285.00, ISBN 0-8155-1441-7.

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**The Rubber Formulary**, Peter A. Ciullo and Norman Hewitt, William Andrew Publishing, Norwich, 1999, 743 pp., \$285.00, ISBN 0-8155-1434-4.

**Science and Engineering of Droplets**, Huimin

Liu, William Andrew Publishing, Norwich, 2000, 225 pp., \$139.00, ISBN 0-8155-1436-0.

**Soft and Fragile Matter: Nonequilibrium Dynamics, Metastability and Flow**, M.E. Cates and M.R. Evans, eds., The Scottish Universities Summer School in Physics and Institute of Physics Publishing, Bristol and Philadelphia, 2000, 393 pp., \$57.00, ISBN 0-7503-0724-2.

**Statistical Optics**, Joseph W. Goodman, John Wiley & Sons, New York, 1985, 550 pp., \$59.95, ISBN 0-471-39916-7.

**Sub-Half-Micron Lithography for ULSIs**, Katsumi Suzuki, Shinji Matsui, and Yukinori Ochiai, eds., Cambridge University Press, Cambridge, 2000, 323 pp., \$110.00, ISBN 0-521-57080-8.

**Supramolecular Polymers**, Alberto Ciferri, Marcel Dekker, New York, 682 pp., \$195.00, ISBN 0-8247-0252-2.

**Surfactants: A Practical Handbook**, K. Robert Lange, ed., Hanser Gardner Publications, Cincinnati, 1999, 237 pp., \$79.00, ISBN 1-56990-270-4.

**Systems and Control Dictionary**, P. Borne, N. Quayle, O. Borne, and M. Singh, T. Editions Technip, Paris, 1998, 528 pp., \$129.58, ISBN 2-7108-0731-9.

**Texture Analysis, Macrotexture, Microtexture and Orientation Mapping**, Valerie Randle and Olaf Engler, Gordon & Breach Science Publishers, Amsterdam, 2000, 388 pp., \$95.00, ISBN 90-5699-224-4.

**Understanding Thermoplastic Elastomers**, Geoffrey Holden, Hanser Gardner Publications, Cincinnati, 2000, 110 pp., \$34.95, ISBN 1-56990-289-5.

**Water-Based Paint Formulations, Vol. 4**, Ernest W. Flick, William Andrew Publishing, Norwich, 1998, 252 pp., \$109.00, ISBN 0-8155-1415-8.

**Weathering of Plastics, Testing to Mirror Real Life Performances**, George Wypych, William Andrew Publishing, Norwich, 2000, 325 pp., \$160.00, ISBN 1-884207-75-8.

**Wettability at High Temperatures**, N. Eustathopoulos, M.G. Nicholas, and B. Drevet, Elsevier Science Review, Amsterdam, 1999, 437 pp., \$167.90, ISBN 0-08-04146-6. □

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