

The following recently published books and journals, 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**

**Chemical and Biochemical Sensing With Optical Fibers and Waveguides**, G. Boisdé and A. Harmer. Artech House, Boston, 1996. Cloth, 409 pp, \$99.00, ISBN 0-89006-737-6.

**The Crystal as a Supramolecular Entity**, G.R. Desiraju, ed. Wiley, New York, 1996. Cloth, 326 pp, \$125.00, ISBN 0-471-95015-7.

**Current Advances in Mechanical Design & Production, VI**, M.E. Elarabi and A.S. Wifi, eds. Elsevier Science, New York, 1996. Paper, 558 pp, \$62.00, ISBN 0-08-042138-5.

**Electron Energy-Loss Spectroscopy in the Electron Microscope**, 2d ed. R.F. Egerton. Plenum Press, New York, 1996. Cloth, 497 pp, \$110.00, ISBN 0-306-45223-5.

**Handbook of Chemical and Biological Sensors**, R.F. Taylor and J.S. Schultz, eds. Institute of Physics Publishing, Bristol, 1996. Cloth, 616 pp, \$229.00, ISBN 0-7503-0323-9.

**High-Temperature Structural Materials**, R.W. Cahn, A.G. Evans, and M. McLean, eds. Chapman & Hall, London, 1996. Cloth, 221 pp, \$90.00, ISBN 0-412-75010-4.

**Introduction to the Thermodynamics of Materials**, 3d ed. D.R. Gaskell. Taylor & Francis, Washington, DC, 1995. Cloth, 590 pp, \$69.95, ISBN 1-56032-432-5.

**Magnetic Resonance Imaging: Theory and Practice**, M.T. Vlaardingerbroek and J.A. den Boer. Springer-Verlag, Berlin, 1996. Cloth, 373 pp, \$98.50, ISBN 3-540-60080-9.

**Mechanical Properties of Ceramics**, J.B. Wachtman. Wiley, New York, 1996. Cloth, 472 pp, \$72.95, ISBN 0-471-13316-7.

**Multiply Bonded Main Group Metals and Metalloids**, R. West, F. Gordon, and A. Stone, eds. Academic Press, San Diego, 1996. Paper, 420 pp, \$65.00, ISBN 0-12-744740-7.

**Near-Field Optics: Theory, Instrumentation, and Applications**, M.A. Paesler and P.J. Moyer. Wiley, New York, 1996. Cloth, 367 pp, \$69.95, ISBN 0-471-04311-7.

**Physical Ceramics: Principles for Ceramic Science and Engineering**, Y-M. Chiang, D. Birnie, III, and W.D. Kingery. Wiley, New York, 1996. Cloth, 536 pp, \$77.95, ISBN 0-471-59873-9.

**Physical Metallurgy**, 3d ed. P. Haasen. Cambridge University Press, New York, 1996. Cloth, \$125.00, ISBN 0-521-55092-0; paper, \$44.95, ISBN 0-521-55925-1; 436 pp.

**The Physics of Polymers: Concepts for Understanding their Structures and Behavior**, G. Strobl. Springer-Verlag, Berlin, 1996. Paper, 451 pp, \$39.95, ISBN 3-540-60768-4.

**Post Processing Treatment of Composites**, M.M. Schwartz. SAMPE, Covina, 1996. Cloth, 250 pp, member \$40.00, nonmember \$50.00, ISBN 0-938994-75-1.

**Powder Metallurgy in Aerospace, Defense and Demanding Applications**, F.H. Froes, ed. Metal Powder Industries Federation, Princeton, 1995. Paper, 383 pp, \$150.00, ISBN 1-878954-57-1.

**Principles of Polymer Systems**, 4th ed. F. Rodriguez. Taylor & Francis, Washington, DC, 1996. Cloth, 746 pp, \$74.95, ISBN 1-56032-325-6.

**Reflecting Telescope Optics I: Basic Design Theory and Its Historical Development**, R.N. Wilson. Springer-Verlag, Berlin, 1996. Cloth, 557 pp, \$98.50, ISBN 3-540-58964-3.

**Review of Progress in Quantitative Nondestructive Evaluation, Vol. 15A-15B**, D.O. Thompson and D.E. Chimenti, eds., Plenum, New York, 1996. Cloth, 2410 pp, \$375, ISBN 0-306-45310-X.

**Surface Coatings: Science & Technology**, S. Paul, ed. Wiley, New York, 1996. Cloth, 947 pp, \$165.00, ISBN 0-471-95818-2.


**The Surface Science of Metal Oxides**, V.E. Henrich and P.A. Cox. Cambridge University Press, New York, 1996. Cloth, \$99.95, ISBN 0-521-44389-X, paper, \$39.95, ISBN 0-521-56687-8, 478 pp.

**Synthetic Polymers: Technology, Properties, Applications**, D. Feldman and A. Barbalata. Chapman & Hall, London, 1996. Cloth, 386 pp, \$89.95, ISBN 0-412-71040-4.

**Unified Constitutive Laws of Plastic Deformation**, A.S. Krausz and K. Krausz, eds. Academic Press, San Diego, 1996. Cloth, 477 pp, \$129.00, ISBN 0-12-425970-7.

**Journals**

**Innovations in Materials Research**, World Scientific Publishing Co. Inc., 1060 Main Street, River Edge, NJ 07661; 1-800-227-7562; 201-487-9655; fax 201-487-9656. Quarterly. Subscription rate: \$85.00. □



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**1996 MRS FALL MEETING/ICEM-96**  
**December 2-6**  
**Boston, Massachusetts**

**Student Mixer**  
 All graduate students and members of MRS University Chapters are invited to attend a reception on Sunday, December 1, 7:00-8:30 p.m. (location to be announced in the Meeting Guide on site). Student chapters are a vital part of MRS, providing discussion between students and faculty and promoting student interest in materials science. Don't miss this opportunity to meet with others involved in MRS student activities.

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