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

A Theory for Everything, J. Bernstein. Springer-Verlag, New York, 1996. Cloth, 328 pp, \$25.00, ISBN 0-387-94700-0.

Acoustical Imaging, Vol. 22, P. Tortoli and L. Masotti, eds., Plenum Press, New York, 1996. Cloth, 850 pp, \$165.00, ISBN 0-306-45364-9.

Advanced Catalysts and Nanostructured Materials: Modern Synthetic Methods, W.R. Moser, ed., Academic Press, San Diego, 1996. Cloth, 618 pp, \$85.00, ISBN 0-12-508460-9.

Advances in Rapid Thermal and Integrated Processing, F. Roozeboom, ed., Kluwer Academic Publishers, Dordrecht, 1996. Cloth, 577 pp, \$265.00, ISBN 0-7923-4011-6.

An Introduction to Composite Materials, 2d ed., D. Hull and T.W. Clyne, Cambridge University Press, New York, 1996. Cloth, \$90.00, ISBN 0-521-38190-8; paper, \$34.95, ISBN 0-521-38855-4, 342 pp.

Corrosion of Stainless Steels, 2d ed., A.J. Sedriks, John Wiley & Sons, New York, 1996. Cloth, 457 pp, \$69.95, ISBN 0-471-00792-7.

The Craft of Scientific Writing, 3d ed., M. Alley, Springer-Verlag, New York, 1996. Paper, 298 pp, \$24.95, ISBN 0-387-94766-3.

Ferroelectric Thin Films: Synthesis and Basic Properties, C.P. De Araujo, J.F. Scott, and G.W. Taylor, eds., Gordon & Breach Publishers, Amsterdam, 1996. Cloth, \$139.00, ISBN 2-88449-189-9; paper, \$79.00, ISBN 2-88449-197-X, 590 pp.

Forward Recoil Spectrometry: Applications to Hydrogen Determination in Solids, J. Tirira, Y. Serruys, and P. Trocellier, Plenum Press, New York, 1996. Cloth, 462 pp, \$110.00, ISBN 0-306-45249-9.

Fragile Objects: Soft Matter, Hard Science, and the Thrill of Discovery, P-G. De Gennes and J. Badoz, trans. by A. Reisinger, Springer-Verlag, New York, 1996. Cloth, 205 pp, \$24.00, ISBN 0-387-94774-4.

Fundamentals of Ceramics, M. Barsoum, McGraw-Hill, New York, 1997. Cloth, 20 pp, \$66.90, ISBN 0-07-005521-1.

Fundamentals of Ceramic Powder Processing and Synthesis, T.A. Ring, Academic Press,

San Diego, 1996. Cloth, 983 pp, \$150.00, ISBN 0-12-588930-5.

Fundamentals of Metal Forming, R.H. Wagoner and J-L. Chenot, John Wiley & Sons, New York, 1996. Cloth, 403 pp, \$79.95, ISBN 0-471-57004-4.

High-Pressure Effects in Molecular Biophysics and Enzymology, J.L. Markley, D.B. Northrop, and C.A. Royer, eds., Oxford University Press, New York, 1996. Cloth, 395 pp, \$95.00, ISBN 0-19-509722-X.

The Infamous Boundary: Seven Decades of Heresy in Quantum Physics, D. Wick, Springer-Verlag, New York, 1995. Paper, 328 pp, \$19.00, ISBN 0-387-94726-4.

Insights of Genius: Imagery and Creativity in Science and Art, A.I. Miller, Springer-Verlag, New York, 1996. Cloth, 504 pp, \$27.00, ISBN 0-387-94671-3.

Interfacial Transition Zone in Concrete, J.C. Maso, ed., Chapman & Hall, London, 1996. Cloth, 195 pp, \$95.00, ISBN 0-419-20010-X.

Ion-Solid Interactions: Fundamentals and Applications, M. Nastasi, J.W. Mayer, and J.K. Hirvonen. Cambridge University Press, New York, 1996. 568 pp, \$110.00, ISBN 0-521-37376-X.

Many-Body Tree Methods in Physics, S. Pfalzner and P. Gibbon, Cambridge University Press, New York, 1996. Cloth, 178 pp, \$49.95, ISBN 0-521-49564-4.

Mössbauer Spectroscopy Applied to Magnetism and Materials Science, Vol. 2, G.J. Long and F. Grandjean, eds., Plenum Press, New York, 1996. Cloth, 379 pp, \$89.50, ISBN 0-306-45398-3.

Optical Diagnostics for Thin Film Processing, I.P. Herman, Academic Press, San Diego, 1996. Cloth, 813 pp, \$89.00, ISBN 0-12-342070-9.

Particle Detectors, C. Grupen, Cambridge University Press, New York, 1996. Cloth, 469 pp, \$100.00, ISBN 0-521-55216-8.

Particle Strengthening of Metals and Alloys, E. Nembach, John Wiley & Sons, New York, 1996. Cloth, 305 pp, \$64.95, ISBN 0-471-12072-3.

Physics and Chemistry at Oxide Surfaces, C. Noguera, Cambridge University Press, New York, 1996. Cloth, 239 pp, \$64.95, ISBN 0-521-47214-8.

Principles of Abrasive Processing, M.C. Shaw, Oxford University Press, New York, 1996. Cloth, 592 pp, \$165.00, ISBN 0-19-859021-0.

Relativistic Quantum Mechanics and Introduction to Field Theory, F.J. Ynduráin, Springer-Verlag, New York, 1996. Cloth, 344 pp, \$59.00, ISBN 3-540-60453-7.

The Science of Polymer Molecules, R.H. Boyd and P.J. Phillips, Cambridge University Press, New York, 1996. Cloth, \$94.95, ISBN 0-521-32076-3; paper, \$32.95,

ISBN 0-521-56508-1, 428 pp.

Stability of Materials, A. Gonis, P.E.A. Turchi, and J. Kudrnovsky, eds., Plenum Press, New York, 1996. Cloth, 760 pp, \$159.50, ISBN 0-306-45311-8.

Thermodynamics, 2d ed., N.A. Gokcen and R.G. Reddy, Plenum Press, New York, 1996. Cloth, 416 pp, \$59.50, ISBN 0-306-45380-0.

Transmission Electron Microscopy, Vols. 1–4, D.B. Williams and C.B. Carter, Plenum Press, New York, 1996. Paper, 759 pp, \$55.00, ISBN 0-306-45324-X.

Transport Properties of Fluids: Their Correlation, Prediction and Estimation, Cambridge University Press, New York, 1996. Cloth, 497 pp, \$90.00, ISBN 0-521-46178-2.

Understanding Molecular Simulation: From Algorithms to Applications, D. Frenkel and B. Smit, Academic Press, San Diego, 1996. Cloth, 461 pp, \$65.00, ISBN 0-12-267370-0.

UV Lasers: Effects and Applications in Materials Science, W.W. Duley, Cambridge University Press, New York, 1996. Cloth, 419 pp, \$95.00, ISBN 0-521-46498-6. □

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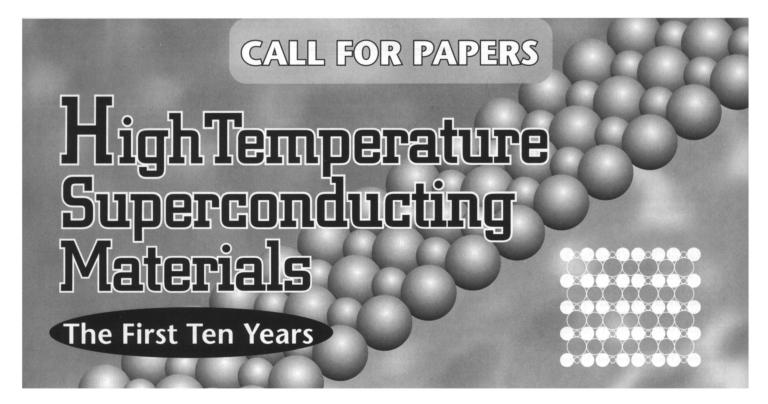
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Journal of Materials Research (JMR) will feature a special section of original research papers on high temperature superconducting materials in the November 1997 issue.

Since the discovery of high temperature superconductivity by Bednorz and Muller was reported in 1986, the field has been a popular and exciting area of research. Some of the earliest results were reported at the 1986 Fall Meeting of the Materials Research Society. Since that time, each MRS meeting has featured well attended symposia on the topic. JMR has become an important venue for reporting research results on this important class of materials.

In the decade since its discovery, high temperature superconductivity has received considerable attention, both from scientific researchers and from the public. The tremendous early promise of these exciting materials has yet to be realized, due in large part to serious issues surrounding the properties and processing of these complex materials. Nevertheless, progress in understanding and controlling high temperature superconducting materials has been impressive. A decade after the discovery of the phenomenon it is appropriate to take stock of the notable progress that has been made and to assess the further steps that are required for these materials to reach their considerable early promise.

The November 1997 issue will focus on the scientific basis that underlies the synthesis and processing of high temperature superconducting materials. Papers on all aspects of synthesis and processing of high temperature superconducting materials are solicited. Contributions concerned with controlling materials properties for specific applications are particularly encouraged, for example, vortex structure, pinning, and dynamics; control of critical current; issues for high frequency applications; single crystal, wire, tape, bulk, and film processing and properties; scale-up to large areas and https://doi.org/10.1557/S0883769400032632 Published online by Cambridge University Press

long lengths; heterostructures; and new materials. Editors of the special issue are Dr. Koichi Kugimiya of Matsushita, Dr. Julia M. Phillips of Sandia National Laboratories, and Professor Shoji Tanaka of SRL-ISTEC. Dr. Yuh Shiohara, of SRL-ISTEC, will serve as issue co-editor.

To be considered for this issue, manuscripts must be received at the USA Editorial Office by April 14, 1997. Manuscripts received after this deadline will have too little time for adequate reviewing in order for them to be included in this issue. No extensions of the deadline will be granted. All manuscripts submitted for this special section of the November 1997 issue will be reviewed in a normal but expedited fashion. The top 15-20 manuscripts of all those accepted will be scheduled for publication in the November 1997 issue of JMR, appearing in the standard JMR format in a separate section of the issue. Any manuscripts that are accepted for publication but cannot be included in the group scheduled for publication in the November 1997 issue will be scheduled to appear in the next available issue of IMR.

Send your manuscripts (one original plus four copies) for consideration to:

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Please be sure to indicate that the manuscript you are submitting is intended for the *JMR* November 1997 special section on "High Temperature Superconducting Materials: The First Ten Years."