

The following books have been received in the offices of *The Industrial Physicist*. Comments and questions may be addressed to Cynthia Cummings, One Physics Ellipse, College Park, MD 20740-3843; tel. 301-209-3004; fax 301-209-0842; e-mail ccumming@aip.org.

Air Quality. G. V. Rao, S. Raman, M. P. Singh, eds. Birkhäuser Verlag, Boston, 2003. 438 pp. \$59.95 *pb* ISBN 3-7643-7005-X.

Coherent Optics: Fundamentals and Applications. 2nd edition. W. Lauterborn, T. Kurz. Springer-Verlag, Berlin, New York, 2003. 346 pp. \$59.95 *hb* ISBN 3-540-43933-1.

Digital Soul: Intelligent Machines and Human Values. T. M. Georges. Westview Press, Boulder, Colo., 2003. 285 pp. \$26.00 *hb* ISBN 0-8133-4057-8.

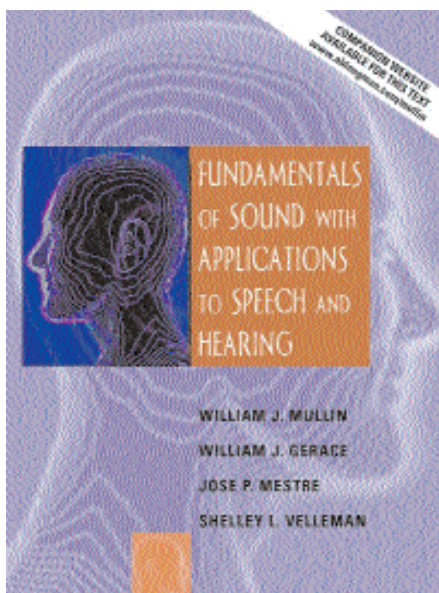
Finite Element Methods with B-Splines. K. Höllig. Society for Industrial and Applied Mathematics, Philadelphia, 2003. 145 pp. \$65.00 *hb* ISBN 0-89871-533-4.

Fundamentals of Ocean Acoustics. 3rd edition. L. M. Brekhovskikh, Yu. P. Lysanov. Springer-Verlag, New York, 2003. 278 pp. \$99.00 *hb* ISBN 0-387-95467-8.

Fundamentals of Sound with Applications to Speech and Hearing. W. J. Mullin, W. J. Gerace, J. P.

Mestre, S. L. Velleman. Allyn and Bacon, Boston, 2003. 225 pp. \$49.00 *pb* ISBN 0-205-37087-X.

Handbook of Nanophase and Nanostructured Materials. Volumes 1-4. Z. L. Wang,



Y. Liu, Z. Zhang, eds. Kluwer Academic/Plenum Publishers, New York, 2003. 1,494 pp. \$1,250.00 *hb* ISBN 0-306-47249-X.

Handbook of Optical Materials. M. J. Weber. CRC Press, Boca Raton, Fla., 2003. 512 pp. \$129.95 *hb* ISBN 0-8493-3512-4.

High-Pressure Shock Compression of Solids VI: Old Paradigms and New Challenges. Y. Horie, L. Davison, N. N. Thadhani, eds. Springer-Verlag, New York, 2003. 351 pp. \$139.00 *hb* ISBN 0-387-95532-1.

Industrial Hazards and Plant Safety. S. Banerjee. Taylor & Francis, New York, 2003. 468 pp. \$99.95 *hb* ISBN 1-56032-069-9.

Laser Doppler and Phase Doppler Measurement Techniques. H.-E. Albrecht, M. Borys, N. Damaschke, C. Tropea. Springer-Verlag, Berlin, New York, 2003. 738 pp. \$149.00 *hb* ISBN 3-540-67838-7.

Machine Vision for the Inspection of Natural Products. M. Graves, B. Batchelor, eds. Springer-Verlag, London, New York, 2003. 471 pp. \$119.00 *hb* ISBN 1-85233-525-4.

Nanoelectrodynamics: Electrons and Electromagnetic Fields in Nanometer-Scale Structures. H. Nejo, ed. Springer-Verlag, Berlin, New York, 2003. 181 pp. \$99.00 *hb* ISBN 3-540-42847-X.

Nanoscale Phase Separation and Colossal Magneto-resistance: The Physics of Mangan-

ites and Related Compounds. E. Dagotto. Springer-Verlag, Berlin, New York, 2003. 456 pp. \$119.00 *hb* ISBN 3-540-43245-0.

Neural Engineering: Computation, Representation, and Dynamics in Neurobiological Systems. C. Eliasmith, C. H. Anderson. MIT Press, Cambridge, Mass., 2003. 356 pp. \$49.95 *hb* ISBN 0-262-05071-4.

Neutron Spin Echo Spectroscopy: Basics, Trends and Applications. F. Mezei, C. Pappas, T. Gutberlet, eds. Springer-Verlag, Berlin, New York, 2003. 345 pp. \$67.00 *hb* ISBN 3-540-44293-6.

Numerical Simulations of Incompressible Flows. M. M. Hafez, ed. World Scientific, River Edge, N.J., 2003. 680 pp. \$98.00 *hb* ISBN 981-238-317-4.

Optical Processes in Solids. Y. Toyozawa. Cambridge University Press, New York, 2003. 422 pp. \$120.00 *hb* \$60.00 *pb* ISBN 0-521-55447-0 *hb* ISBN 0-521-55605-8 *pb*.

Optical Solitons: Theoretical and Experimental Challenges. K. Porsezian, V. C. Kuriakose, eds. Springer-Verlag, Berlin, New York, 2003. 406 pp. \$74.00 *hb* ISBN 3-540-00155-7.

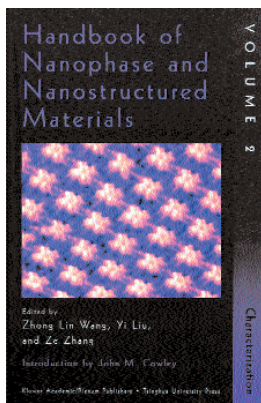
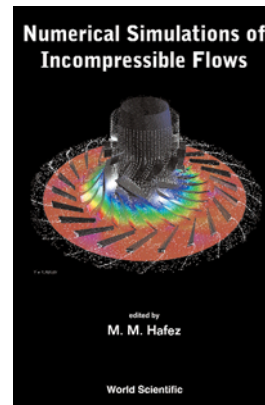
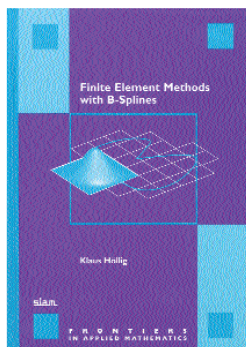
Photoacoustic Infrared Spectroscopy. K. H. Michaelian. Wiley-Interscience, Hoboken, N.J., 2003. 335 pp. \$125.00 *hb* ISBN 0-471-13477-5.

The Physics of Plasmas. T. J. M. Boyd, J. J. Sanderson. Cambridge University Press, New York, 2003. 532 pp. \$120.00 *hb* \$50.00 *pb* ISBN 0-521-45290-2 *hb* ISBN 0-521-45912-5 *pb*.

The Physics of Superconductors. Volume I. Conventional and High- T_c Superconductors. K. H. Bennemann, J. B. Ketterson, eds. Springer-Verlag, Berlin, New York, 2003. 966 pp. \$199.00 *hb* ISBN 3-540-43883-1.

Plasma Waves. 2nd edition. D. G. Swanson. Institute of Physics Publishing, Bristol, Philadelphia, 2003. 456 pp. \$75.00 *hb* ISBN 0-7503-0927-X.

Radiation and Health. T. Henriksen, H. D. Maillie. Taylor & Francis, New York,



2003. 226 pp. \$64.00 *hb* \$32.00 *pb* ISBN 0-415-27161-4 *hb* ISBN 0-415-27162-2 *pb*.

Soft Matter Physics: An Introduction.

M. Kleman, O. D. Lavrentovich. Springer-Verlag, New York, 2003. 637 pp. \$79.95 *hb* ISBN 0-387-95267-5.

Space Technology and Applications International Forum—STAIF 2003.

AIP Conference Proceedings, Volume 654. Albuquerque, N.M., Feb. 2-5, 2003. M. S. El-Genk, ed. American Institute of Physics, Melville, N.Y., 2003. 1,301 pp. \$280.00 *hb* ISBN 0-7354-0114-4.

Structural Classification of Minerals. Volume 2: Minerals with $A_p B_q C_r D_s$ to

$A_p B_q C_r D_s E_x F_y G_z \dots$ General Chemical Formulas. J. Lima-de Faria. Kluwer Academic Publishers, Boston, 2003. 151 pp. \$58.00 *hb* ISBN 1-4020-1119-9.

Thermophotovoltaic Generation of Electricity.

AIP Conference Proceedings, Volume 653. Fifth Conference on Thermophotovoltaic Generation of Electricity, Rome, Italy, Sept. 16-19, 2002. T.J. Coutts, G. Guazzoni, J. Luther, eds. American Institute of Physics, Melville, N.Y., 2003. 511 pp. \$182.00 *hb* ISBN 0-7354-0113-6.

UV Effects in Aquatic Organisms and Ecosystems.

E. W. Helbling, H. Zagarese, eds. Royal Society of Chemistry, Cambridge, U.K., 2003. 575 pp. \$290.00 *hb* ISBN 0-85404-301-2.

Van der Waals Complexes in Supersonic Beams: Laser Spectroscopy of Neutral-Neutral Interactions.

J. Koperski. Wiley-VCH, Weinheim, 2003. 216 pp. \$115.00 *hb* ISBN 3-527-40384-1.

Vertical-Cavity Surface-Emitting Laser

Devices. H. E. Li, K. Iga, eds. Springer-Verlag, Berlin, Heidelberg, New York, 2003. 385 pp. \$74.95 *hb* ISBN 3-540-67851-4.

Vital Signs 2003: The Trends That Are Shaping Our Future.

The Worldwatch Institute. W. W. Norton & Company, New York, 2003. 153 pp. \$14.95 *pb* ISBN 0-393-32440-0. 