

MARCH 1983

- 3-5 **Int Symp on Molecular Scattering Theory and Quantum Chemistry** Palm Coast, FL 7/82
- 7-9 **Workshop on Non-Perturbative QCD** Stillwater, OK 7/82
- 7-10 **Crystallography Mtg** Tubingen, FRG 1/83
- 7-10 **Polymer Physics Mtg** Ulm, FRG 1/83
- 7-11 **Short Course in Laser Safety: Hazard, Inspection & Control** San Antonio, TX (Education Director, Laser Inst. of America, 5151 Monroe St., Ste. 103W, Toledo, OH 43623 [(419)882-8706])
- 7-12 **Int Symp on Atomic Molecular and Solid-State Theory, Many-Body Phenomena and Computational Quantum Chem** Palm Coast, FL 7/82
- 11-12 **Zone 9 SPS Mtg** Lawrence, KS 1/83
- 14-15 **5th Biennial Carl S. Marvel Symp on Conductive and Photoconductive Polymers and Polymer Surface Analysis** Tucson, AZ 9/82
- 14-16 **Int Symp on Quantum Biology and Quantum Pharmacology** Palm Coast, FL 7/82
- 14-16 **2nd Phoenix Conf on Computers and Communications** Phoenix, AZ 11/82
- 14-18 **Ann Mtg of ACA** Columbia, MO 1/82
- 14-18 **47th DPG Physics Cong** Regensburg, FRG 1/83
- 14-18 **Short Course on Fundamentals & Applications of Lasers** San Diego, CA (Education Director, Laser Inst. of America, 5151 Monroe St., Ste. 103W, Toledo, OH 43623 [(419)882-8706])
- 18-19 **Zone 5 SPS Mtg** Boone, NC 1/83
- 21-23 **3rd Oxford Conf on Microscopy of Semiconducting Materials** Oxford 7/82
- 21-23 **Symp on Int Facilities for Phys Res** Copenhagen 9/82
- 21-23 **Int Symp on Still Camera Technology** Las Vegas, NV 11/82
- 21-24 **Short Course on Personal Microcomputer Interfacing and Scientific Instrumentation Automation** Blacksburg, VA 1/83
- 21-25 **APS Mtg** Los Angeles 9/82
- 21-25 **DPG Mtg** Freudenstadt, FRG 1/83
- 21-25 **Nuclear Phys Mtg** Münster, FRG 1/83
- 21-25 **Short Course on Laser Spectroscopy** Dallas, TX 1/83

- 21-26 **Int Conf on Heavy-Ion Phys and Nuclear Phys** Catania, Italy 9/82
- 21-31 **Short Course on Non-Crystalline Materials** 1/83
- 22-23 **5th Ann BEA-CON Conf and Exhibits** Minneapolis 9/82
- 23-25 **Extraterrestrial Phys** Konstanz, FRG 1/83
- 23-25 **Teaching Phys Mtg** Giessen, FRG 1/83
- 23-25 **Cybernetics Cong** Tubingen, FRG 1/83
- 23-25 **Conf on Nuclear Structure and Particle Phys [IOP]** Liverpool (The Meetings Officer, The Inst. of Phys., 47 Belgrave Square, London SW1X 8QX, England)
- 25-26 **Zone 6 SPS Mtg** University, AL 1/83
- 28-30 **Particles Phys Mtg** Wuppertal, FRG 1/83
- 28-31 **Low Energy Ion Beams** Loughborough, UK 7/82
- 28-1 **Short Course on Electronic Devices & Systems** Las Cruces, NM (Eng. Tech., Inc., P.O. Box 9000, Waco, TX 76710 [(817)772-0082])

APRIL 1983

- 4-8 **SPIE Technical Symp East '83** Arlington, VA (SPIE, P.O. Box 10, Bellingham, WA 98227 [(206)676-3290])
- 5-7 **Course on Millimeter Wave Technology** San Francisco (M. Goldfarb, Div. of Conf. and Seminars, Palisades Inst. for Research Services, Inc., 201 Varick St., New York, NY 10014 [(212)620-3445])
- 5-8 **21st Int Magnetism Conf** Philadelphia 1/83
- 5-8 **Short Course on Designing VLSI** Washington, D. C. (R. Dordick, Integrated Computer Systems, 3304 Pico Blvd., P. O. Box 5339, Santa Monica, CA 90405 [(213)450-2060])
- 6-7 **19th Ann Mtg of the Nat Council on Radiation Protection and Measurements** Washington, DC 9/82
- 6-8 **15th Nat Atomic and Molecular Phys Conf [IOP]** Univ. of Manchester, England (J. Comer, Phys. Dept., Univ. of Manchester, Oxford Rd., Manchester M13 9PL, England)

Coding: date title [sponsor] location (contact) [abstract deadline] PHYSICS TODAY issue containing full listing

Please note: A calendar entry preceded by an ➔ is a new and complete listing. A • denotes an entry that contains additional or revised information. An entry not preceded by either symbol is an abridged version of a complete listing previously published in PHYSICS TODAY. The date at the end of an abridged entry specifies the issue in which the item originally appeared.

Abbreviations:

AAAS	American Association for the Advancement of Science	IEEE	Institute of Electrical and Electronics Engineers
AAPM	American Association of Physicists in Medicine	IOP	The Institute of Physics
AAPT	American Association of Physics Teachers	IUPAC	International Union of Pure and Applied Chemistry
AAS	American Astronomical Society	IUPAP	International Union of Pure and Applied Physics
ACA	American Crystallographic Association	LBL	Lawrence Berkeley Laboratory
AGU	American Geophysical Union	LLL	Lawrence Livermore Laboratory
ANS	American Nuclear Society	NAS	National Academy of Sciences
APS	American Physical Society	NBS	National Bureau of Standards
ASA	Acoustical Society of America	NRC	Nuclear Regulatory Commission
AVS	American Vacuum Society	NRL	Naval Research Laboratory
CNRS	Centre National de la Recherche Scientifique	NSF	National Science Foundation
DOE	Department of Energy	ONR	Office of Naval Research
DPG	Deutsche Physikalische Gesellschaft	ORNL	Oak Ridge National Laboratory
IAEA	International Atomic Energy Agency	OSA	Optical Society of America
IAU	International Astronomical Union	S of R	Society of Rheology
		SPS	Society of Physics Students

A calendar of physics-related meetings is included only in alternate (odd-numbered) months. Send information to: Calendar, PHYSICS TODAY, 335 East 45th Street, New York, N.Y. 10017. A notice should be timed to arrive three months before the listing should appear.



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THE G.G. FORUM, Thessaloniki, Greece, 031/527.039; JAPAN LASERS, Tokyo, Japan, 03-585-6911;
PHOTOCHEMICAL RESEARCH ASSOCIATES AG, Bellevue, Switzerland, 022/55 56 87.

Circle number 50 on Reader Service Card

- 6-8 → **Short Course on Introduction to Interfacing Electronic Instrumentation & Computers** Rolla, MO (B. Kratzer, 111 Eng. Res. Lab., Univ. of Missouri-Rolla, Rolla, MO 65401 [(314)341-4200])
- 9 **Rochest Symp for Phys Students** Rochester, NY 1/83,3/83,5/83,7/83,9/83,11/83
- 10-20 → **NATO Adv Study Instit on Multi-critical Phenomena** Geilo, Norway (R. Pynn, Inst Laue-Langevin, 156 X Centre de Tri, 38042 Grendole, Cedex, France)
- 11-15 **Conf on Optics '83** Santa Fe, NM 11/82
- 11-15 **Int Symp on Quantum Fluids and Solids** Sanibel Island, FL 11/82
- 11-15 → **Short Course on Measurement of Laser Output Characteristics** Albuquerque, NM (Eng. Tech., Inc., P.O. Box 9000, Waco, TX 76710 [(817)772-0082])
- 13-15 **Electrostatics 83** Oxford 7/82
- 13-15 → **2nd Int Workshop on Molecular Electronics Devices [NRL]** Washington, DC (F. L. Carter, Code 6175, Chemistry Div., Dept. of the Navy, NRL, Washington, DC 20375 [(202)767-2100])
- 13-15 → **4th APS Topical Conf on Atomic Processes in High Temperature Plasmas [APS, DOE]** Princeton, NJ (R. Hulse, Princeton Univ., Plasma Phys. Lab., P.O. Box 451, Princeton, NJ 08544)
- 14-16 **7th Int Conf on Experimental Meson Spectroscopy** BNL 5/82
- 17 → **APS/AAPT Short Course on Arms Control** Baltimore, MD (D. Schroer, Univ. of North Carolina, Chapel Hill, NC 27514 [(919)962-3019])
- 17-20 → **Application of Optical Instrumentation in Medicine XI** Atlanta (SPIE/Medicine XI Program Comm., P.O. Box 10, Bellingham, WA 98227 [(206)676-3290])
- 17-22 → **Scanning Electron Microscopy 1983** Dearborn, MI (O. Johari, SEM Inc., P.O. Box 66507, AMF O'Hare, Chicago, IL 60666)
- 18-21 **APS Spring Mtg** Baltimore, MD 1/82
- 18-21 **16th Rare Earth Res Conf** Tallahassee, FL 7/82
- 18-21 **3rd Int Symp on the Sci and Tech of Light Sources** Toulouse, France 7/82
- 18-21 **29th Ann Tech Mtg** Los Angeles 9/82
- 18-21 **Joint Mtg of Cosmic Phys. Div APS/High Energy Phys Div AAS** Baltimore 11/82
- 18-22 **6th Tandem Accelerator Conf** Chester, UK 5/82
- 18-22 **1983 Yamada Conf on Muon Spin Rotation and Association Problems** Shimoda, Japan 9/82
- 18-22 **Optical Electro-Optical Tech** Geneva 9/82
- 18-22 → **Short Course on Laser Applications in Materials Processing** Boston, MA (Education Director, Laser Inst. of America, 5151 Monroe St., Ste. 103W, Toledo, OH 43623 [(419)882-8706])
- 18-22 → **Int Conf on Metallurgical Coatings** San Diego (H. A. Beale, 1307

- Windham Road, Columbus, OH 43220 [(614)425-7458])
- 19-20 **SPS Programs at APS Mtg** Baltimore, MD 1/83
- 19-21 **14th Symp on Nondestructive Testing Evaluation** San Antonio, TX 7/82
- 19-23 **Energy '83** Hamburg 11/82
- 21-22 **14th Ann Modeling and Simulation Conf** Pittsburgh, PA 9/82
- 21-23 **4th Workshop on Grand Unification** Philadelphia 9/82
- 22-23 **Joint Mtg of CPS-AAPT Sec and SPS Zone 3** Wilkes-Barre, PA 11/82
- 22-23 **Zone 8 SPS with Wisconsin Sec AAPT** Kenosha, WI 1/83
- 24-27 → **85th Ann Mtg and Expos Amer Ceramic Soc.** Chicago (S. Robb, The American Ceramic Soc., Inc., 65 Ceramic Dr., Columbus, OH 43214 [(614)268-8645])
- 25-27 **1983 Spring Seminar of the SC Chap of the AAPM** Las Vegas, NV 1/83
- 25-29 **3rd Eur Nuclear Conf** Brighton, UK 5/82
- 26-28 **Smoke/Obscurants Symp VII** Adelphi, MD 1/83
- 28-29 → **Regional Symp on the Neutron** [Health Physics Soc] Detroit, MI (C. Orton, Radiation Therapy-Harper Hospital, 3990 John Rd., Detroit, MI 48201 [(313)494-9175])
- 29-3 → **4th Int Symp on Gaseous Dielectrics** [IEEE] Knoxville, TN (D. W. Bouldin, ORNL, 45005, H-158, P.O. Box X, Oak Ridge, TN 37830 [(615)574-6199])
- MAY 1983**
- 2-4 → **Symp on Delto-Nucleus Dynamics** [ANL] Argonne, IL (T. S. H. Lee, Physics Div, ANL, Argonne, IL 60439 [(314)972-4094]) [3/31/83]
- 2-6 → **29th Int Instrumentation Symp** Albuquerque, NM (R. F. Clark, Endevco, 1717 So. State College Blvd., #180, Anaheim, CA 92806 [(714)493-8181] ext. 273)
- 2-6 → **Int. Conf on Fronts, Interfaces and Patterns** Los Alamos, NM (A. Bishop, Center for Nonlinear Studies, Los Alamos Natl. Lab., Los Alamos, NM 87545 [(505)667-6491])
- 2-6 → **Short Course on Laser Design and Beam Control** Albuquerque, NM (Education Director, Laser Institute of America, 5151 Monroe St., Ste. 103W, Toledo, OH 43623 [(419)882-8706])
- 2-6 → **Acousto-Optic, Electro-Optic, and Guided Wave Devices Short Course** Paramus, NJ (Education Director, Laser Institute of America, 5151 Monroe St., Ste. 103W, Toledo, OH 43623 [(419)882-8706])
- 5-7 → **4th Conf on Acoustics and the Physics of Sound and Music** Iowa City, IA (W. R. Savage, Univ. of Iowa, Dept. of Phys. and Astron., Iowa City, IA 52242 [(319)353-4343]) [3/30/83]
- 6-7 **Zone 7 SPS with Ohio Sec APS** Columbus, OH 1/83
- 8-13 **Symp on Silicon Nitride Thin Insulating Films** San Francisco 9/82
- 8-13 **31st Ann Conf on Mass Spectrometry and Applied Topics** Boston, MA 1/83
- 8-14 **ASA 105th Mtg** Cincinnati, OH 9/81
- 9-12 **6th Princeton Conf on Space Manufacturing** Princeton, NJ 1/83
- 9-13 → **Short Course on Laser Beam Propagation and Interaction Effects** Las Cruces, NM (Eng. Tech., Inc., P.O. Box 9000, Waco, TX 76710 [(817)772-0082])
- 9-13 → **Short Course on Advances in Polymer Synthesis, Modification and Characterization** New Paltz, NY (A. V. Patsis, Chem. Dept., S.U.N.Y., New Paltz, NY 12561 [(914)257-2175])
- 10-12 **Laboratory Instrument and Equipment Conf and Exhibition** San Jose, CA 11/82
- 11-14 → **11th Western Regional Mtg of Electron Microscopists** Pacific Grove, CA (H. Thomas, Registrar, Hewlett Packard, 10900 Wolfe Rd., Cupertino, CA 95014 [(408)257-7000, ext. 2391])
- 16-18 **33rd Electronics Components Conf** Orlando, FL 11/82
- 16-18 → **Conf on Inverse Scattering: Theory and Applications** Tulsa, OK (R. Redner, Univ. of Tulsa, 600 South College Ave., Tulsa, OK 74104 [(918)592-6000])
- 16-19 → **Int Conf and Exhibition of Fiber Optics, Materials, Processes and Applications** Paris, France (J. Boudot, Quartz Productions Corp., P.O. Box 1347, Plainfield, NJ 07061 [(201)757-4545])
- 16-20 **5th Nat Conf and School on X-ray Analysis** Melbourne, Australia 9/82
- 16-20 **Int Conf on Radioactive Waste Management** Seattle, WA 9/82
- 16-27 → **Optical Science & Eng Short Course** Tucson, AZ (P. N. Slater, Optical Systems & Eng. Short Courses Inc., P.O. Box 18667, Tucson, AZ 85731 [(602)885-3798])
- 17-19 **Nat Aerospace and Electronics Conf (NAECON)** Dayton, OH 11/82
- 17-20 **Conf on Lasers and Electro-optics** Baltimore 1/82
- 18-20 **2nd Int Whitsun Mtg on Self-Organization and Dissipative Structures** Austrian Raiffeisen Bank 1/83
- 19-20 **Applications and Techniques of Modern Spectrochemistry** Los Alamos, NM 9/82
- 22-8 **Phenomenology of Unified Theories from Standard Model to Supersymmetries** Dubrovnik, Yugoslavia 9/82
- 23-25 **Int Conf on Plasma Sci** San Diego 9/82
- 23-25 **Mtg of APS Div of Electron and Atomic Phys** Boulder, CO 5/82
- 23-25 **Short Course on RF Heating and Current Drive in Magnetic Fusion Plasmas** San Diego, CA (1/83)
- 23-27 **6th Int Conf on Ion Beam Analysis** Tempe, AZ 1/83
- 23-4 → **NATO Adv Study Inst in Electrodynamics and Quantum Optics** Aspen, CO (A. O. Barut, Dept. of Physics, Univ. of Colorado, Boulder, CO 80309)
- 24-27 → **Short Course on Designing VLSI** San Diego (R. Dordick, Integrated Computer Systems, 3304 Pico Blvd., P.O. Box 5339, Santa Monica, CA 90405 [(213)450-2060])
- 25-28 **Quantum Theory and Gravitation II** New Orleans 11/82
- 26-31 **AAAS Ann Mtg** Detroit 9/81
- 29-3 **4th Int Conf on Fluidization** Kashikojima, Japan 9/81
- 30-2 **Conf on the Computation of Electromagnetic Fields** Santa Margherita Ligure, Italy 11/82
- 30-3 **2nd Int Conf on Radiation Effects in Insulators** Albuquerque, NM 9/82
- 30-3 → **Int Symp on Electron, Ion and Photon Beams** [IEEE, AVS] Los Angeles (M. Hatzakis, IBM T. J. Watson Research Center, P.O. Box 218, Yorktown Heights, NY 10598 [(914)945-1836])
- 31-3 **1983 IEEE Microwave and Millimeter Monolithic Circuits Symp** Boston, MA 1/83
- 31-2 **Dynamics Days: Twente** Enschede, The Netherlands 11/82
- 31-3 **Symp on Microwave Theory and Technique** Boston 9/81
- JUNE 1983**
- 1-3 **37th Ann Frequency Control Symp** Philadelphia 11/82
- 5-8 → **8th Int Symp on Ultrasonic Imaging and Tissue Characterization** [NBS] Washington, DC (M. Linzer, A366 Materials, NBS, Washington, DC 20234 [(301)921-2611])
- 5-10 → **Electronic Excitations and Interaction Processes in Organic Molecular Aggregates** Bavaria, FRG (P. Reineker, Abteilung für Theor. Physik, Universität Ulm, 7900, Ulm, FRG)
- 6-7 **Short Course on Techniques for Surface Analysis** Dayton, OH 1/83
- 6-8 **4th IEEE Int Pulsed Power Conf** Albuquerque, NM 5/82
- 6-9 **Milestones and Trends in Polymer Sci: A Tribute to Turner Alfrey** Midland, MI 5/82
- 6-10 **2nd Int Symp on Optical Mass Data Storage** Arlington, VA 9/82
- 7-10 → **Short Course on VLSI Process and Device Modeling** Heverlee, Belgium (K. De Meyer, Kardinal Mercierlaan 94, B-3030 Heverlee, Belgium)
- 8-10 **5th Symp on Applied Surface Analysis** Dayton, OH 1/83
- 12-16 **EUCHEM Conf on High Resolution Electron Microscopy in Solid State Chem** Stockholm 11/82
- 12-16 → **EUCHEM Conf on High Resolution Electron Microscopy in Solid State Chemistry** Stockholm, Sweden (P. Stenson, Conf. Secy, The Swedish National Comm. for Chem., Upplandsgatan 6 A, S-111 23 Stockholm, Sweden)
- 12-17 **ANS Ann Mtg** Detroit 1/82

- 12-18 → **Asia Pacific Physics Conf** [IOP, Int. Centre for Theoretical Phys] Singapore (P. P. Ong, Dept. of Phys., National Univ. of Singapore, Kent Ridge, Singapore 0511)
- 13-14 → **Int Short Course on Finite Element Programming: Semiconductor Device and Process Modeling** Galway, Ireland (NASECODE III Secretariat, C/O Boole Press Ltd., P.O. Box 5, 51 Sandycove Rd., Dun Laoghaire, County Dublin, Ireland)
- 13-15 **5th Rochester Conf on Coherence and Quantum Optics** Rochester, NY 9/82
- 13-15 → **1st World Forum of the Int. Academy of Astronautics** Montreal (IAA, Office of the President, 2500 Colorado Ave., Santa Monica, CA 90406 [(213)820-4111])
- 13-17 → **Short Course on the Personal Computer** Ann Arbor, MI (Eng. Summer Conf., 200 Chrysler Ctr., North Campus, Univ. of Michigan, Ann Arbor, MI 48109 [(313)764-8490])
- 14-16 **94th Ann Sci Mtg of the Astronomical Soc of the Pacific** Kona Coast of Hawaii 11/82
- 14-17 → **Short Course on Designing VLSI** Boston (R. Dordick, Integrated Computer Systems, 3304 Pico Blvd., P.O. Box 5339, Santa Monica, CA 90405 [(213)450-2060])
- 15-17 **3rd Conf on Numerical Analysis of Semiconductor Devices and Integrated Circuits** (NASECODE III) Galway, Ireland 1/82
- 15-17 **AAPT Mtg** Memphis, TN 9/82
- 15-17 → **Short Course on Conducting Polymers** New Paltz, NY (A. V. Patsis, Chem. Dept., S.U.N.Y., New Paltz, NY 12561 [(914)257-2175])
- 15-18 **Top Mtg on Optical Bistability** Rochester, NY 9/82
- 15-25 **NATO Adv Study Inst on Modulated Structure Materials** Crete, Greece
- 15-30 → **NATO Adv Study Inst on Energy Transfer Processes in Condensed Matter** Erice, Italy (B. Di Bartolo, Dept. of Physics, Boston College, Chestnut Hill, MA 02167)
- 16-18 → **AAS Div on Dynamical Astronomy** Chicago (E. Myles Standish Jr., JPL, 264-664, Pasadena CA 91109)
- 16-30 **NATO Adv Study Inst on Energy Transfer Processes in Condensed Matter** Erice, Italy 11/82
- 18-30 **Magneto-Structural Correlations in Exchange Coupled Systems** Castiglione della Pescaia, Italy 1/83
- 19-22 **AAS 162nd Ann Mtg** Minneapolis, MN 9/82
- 19-1 → **NATO Adv. Study Institute on Percolation, Localization and Superconductivity** Les Arcs, France (A. M. Goldman, School of Phys. and Astron., Univ. of Minn., 116 Church St. S.E., Minneapolis, MN 55455)
- 20-22 **43rd Ann Conf on Physical Electronics** Santa Fe, NM 9/82
- 20-24 → **Summer Program on Optical Signal Processing** Troy, NY (Office of Continuing Studies, Rensselaer Polytechnic Inst., Troy, NY 12181 [(518)270-6442])
- 20-24 → **Advances in the Stabilization and Controlled Degradation of Polymer** New Paltz, NY (A. V. Patsis, Chem. Dept., S.U.N.Y., New Paltz, NY 12561 [(914)257-2175])
- 20-25 **Quantum Chaos** Como, Italy 9/82
- 20-25 **Int CNRS Colloquium on Optogalvanic Spectroscopy and Its Applications** Aussios, France 1/83
- 21-23 **9th Int Symp on Machine Processing of Remotely Sensed Data** West Lafayette, IN 1/83
- 21-23 → **41st Ann Device Research Conf** [IEEE] Burlington, VT (P. Chattersee, Comm. Chairman, Texas Instruments, Dallas, TX [(214)995-7914])
- 21-24 **5th Conf on the Phys of the Jovian and Saturnian Magnetospheres** Cambridge, MA 9/82
- 22-24 → **AAS Div. of Solar Physics** Pasadena (J. Harvey, P. O. Box 26732, Tucson, AZ 85726)
- 23-24 **9th West Coast Statistical Mechanics Conf** Los Alamos, NM 1/83
- 23-24 → **Jt Topical Mtg on Information Processing in Astronomy and Optics** [OSA, AAS] St. Paul, MN (OSA, Information Processing Meeting, 1816 Jefferson Pl., N.W., Washington, D.C., 20036 [3/1/83])
- 23-24 → **Symp on Molecular Mechanics** Indianapolis (K. B. Lipkowitz, Dept. of Chem., I.U.P.U.I., P. O. Box 647, Indianapolis, IN 46223 [(317)923-1321])
- 23-25 **9th Can Sem on Surfaces** Vancouver 11/82
- 26-1 **1983 Conf on the Dynamics of Molecular Collisions** Gull Lake, MN 11/82
- 26-1 **3rd Int Symp on Magnetic Resonance in Colloid and Interface Science** Torun, Poland 1/83
- 27-30 **4th Int Conf on Integrated Optics and Optical Fiber Communication** Tokyo, Japan 9/82
- 27-1 **3rd Symp on Separation Sci and Tech for Energy Applications** Gatlinburg, TN 9/82
- 27-1 **6th Int Conf on Laser Spectroscopy** Interlaken, Switz. 9/82
- 27-1 **Int Conf on Phase Transformations in Solids [MRS]** Crete, Greece
- 27-1 → **Europhysics Study Conf on Frontiers of γ and X-ray Spectroscopy** Crete, Greece (G. Vourvopoulos, Nuclear Res. Center "Demokritos," Aghia Paraskevi, Attiki, Greece)
- 27-1 → **Synthetic Aperture Radar Short Course** Ann Arbor, MI (Eng. Summer Conf., 200 Chrysler Ctr., North Campus, Univ. of Michigan, Ann Arbor, MI 48109 [(313)764-8490])
- 27-8 **Short Course on Relativity, Groups and Topology** Les Houches, France 11/82
- 28-1 → **6th High Energy Heavy Ion Study-Workshop on Anomalous** Berkeley (H. G. Pugh, 70A/3307, LBL, Berkeley, CA 94720 [(415)486-4119])
- 2-14 → **NATO Adv Study Inst on Regular and Chaotic Motions in Dynamical Systems** Erice, Italy (G. Velo, Ist di Fisica, Via Imerio, 46, 40126 Bologna, Italy)
- 3-16 **Magnetic Resonance Techniques in Fossil Energy Problems** Crete, Greece 1/83
- 4-5 **4th Top Mtg on Gradient Index Optical Systems** Kobe, Japan 9/82
- 4-8 **9th Int Colloquium on Dynamics of Explosions and Reactive Systems** Poitiers, France 9/82
- 4-8 **1st Int Conf on Conduction and Breakdown in Solid Dielectrics** Toulouse, France 9/82
- 4-9 **10th Int Conf on General Relativity and Gravitation** Venice 1/82
- 6-22 → **NATO Adv Study Inst on Particles and Fields** Cargèse, Corsica, France (M. Levy, Lab. Physique Théor., Univ. P. et M. Curie, 4 Place Jussieu, 75230 Paris Cedex 05, France)
- 9-13 → **3rd Int Symp on Small Particles and Inorganic Clusters** Berlin, FRG (J. Koutecky, Freie Universität Berlin, D-1000 Berlin 33, (West), West-Germany)
- 10-23 **NATO Advanced Study Inst on Phys on Submicron Semiconductor Devices** San Miniato, Italy 1/83
- 11-13 **1983 Summer Computer Simulation Conf** Vancouver, BC 9/82
- 11-14 **7th Int Symp on Nuclear Quadrupole Resonance** Queen's Univ., Kingston, Ontario 11/82
- 11-15 **Phys of Latent Image Formation in Silver Halides** Trieste 11/82
- 11-15 → **Short Course on Fiber Optic Communication Systems** Santa Barbara, CA (M. K. Barnoski, TRW Tech. Research Center, 2525 E. El Segundo Blvd., El Segundo, CA 90245 [(213)535-6088])
- 11-15 → **Summer Course in Optical System Design** Rochester, NY (K. J. Teegarden, Dir., The Inst. of Optics, Univ. of Rochester, Rochester, NY 14627 [(716)275-2314])
- 11-16 → **Short Course in Design and Analysis of Scientific Experiments** MIT (Dir. of Summer Session, Rm. E19-356, MIT, Cambridge, MA 02139)
- 11-22 → **Santa Cruz Summer Workshop in Astronom & Astrophys (High Energy Transients)** Santa Cruz, CA (S. E. Woosley, Lick Observatory, Univ. of California, Santa Cruz, CA 95064 [(408)429-2201])
- 11-22 → **Short Course on Lasers and Optics for Applications** Cambridge, MA (Dir. of Summer Session, MIT, Rm. E19-356, Cambridge, MA 02139)
- 11-22 → **Summer Course in Contemporary Optics** Rochester, NY (K. J. Teegarden, Dir., The Inst. of Optics, Univ. of Rochester, Rochester, NY 14627 [(716)275-2314])
- 13-15 **Internoise '83** Univ. of Edinburgh 9/82
- 13-15 → **Int Workshop in X- and γ -ray Imaging Techniques** Southampton Univ., U. K. (D. Ramsden, R25,

Rutherford Appleton Lab., Chilton, Didcot, Oxfordshire OX11 0QX, England)

- 17-22 **1983 Summer Mtg IEEE Power Eng Soc** Los Angeles 1/83
- 18-22 **10th Int Conf in Atomic Collisions in Solids** Bad Iburg, FRG (H. E. Roosendaal, Fakultät für Physik, Univ. Bielefeld, D-4800 Bielefeld 1, FRG) [3/31/83]
- 18-22 **Principles of Microcomputers and Microprocessors** Ann Arbor, MI (Eng. Summer Conf., 200 Chrysler Ctr.-North Campus, Univ. of Michigan, Ann Arbor, MI 48109 [(313)764-8490])
- 18-22 **Course in Digital and Optical Image Processing** Rochester, NY (K. J. Teegarden, Dir., The Inst. of Optics, Univ. of Rochester, Rochester, NY 14627 [(716)275-2314])
- 18-22 **Short Course on Computer Image Analysis** Ann Arbor, MI (Eng. Summer Conf., 200 Chrysler Ctr.-North Campus, Univ. of Michigan, Ann Arbor, MI 48109 [(313)764-8490])
- 18-22 **Short Course in Guided Wave Optics** Rochester, NY (K. J. Teegarden, Dir., The Inst. of Optics, Univ. of Rochester, Rochester, NY 14627 [(716)275-2314])
- 18-22 **Short Course in Applied Molecular Spectroscopy: Infrared** Tempe, AZ (J. Fuehs, Dept. of Chem., Ariz. State Univ., Tempe, AZ 85287)
- 18-22 **Summer Program on Plasma Processing for Microelectronic Fabrication** Cambridge, MA (Dir. of Summer Session, MIT, Rm E19-356, Cambridge, MA 02139)
- 18-29 **1983 SLAC Summer Inst on Particle Phys** Stanford, CA 1/83
- 19-21 **Inter/Micro-83** Cambridge, England (S. Mark, McCrone Res. Assoc. Ltd., 2 McCrone Mews, Belsize Lane, London NW3 5BG, England)
- 20-30 **School on Direct Methods and Macromolecular Crystallography** Buffalo, NY (J. F. Griffin, Medical Foundation of Buffalo, Inc., 73 High St., Buffalo, NY 14203)
- 24-29 **Conf on the Undergraduate Engineering Lab** Henniker, NH (Eng. Foundation Conf., 345 E. 47 St., New York, NY 10017 [(212)705-7835])
- 25-28 **9th Intl High-Pressure Conf** Albany, NY 9/82
- 25-29 **Computer Simulation of Quantum Systems** Trieste 11/82
- 25-29 **15th IUPAP Int Conf on Thermodynamics and Statistical Mechanics** Edinburgh, Scotland 1/83
- 25-29 **Short Course on Written Communications for Engineers, Scientists and Technical Writers** Ann Arbor, MI (Eng. Summer Conf., 200 Chrysler Ctr.-North Campus, Univ. of Michigan, Ann Arbor, MI 48109 [(313)764-8490])
- 25-29 **Short Course on the Detection of Infrared Radiation** Santa Barbara, CA (M. K. Barnoski, TRW Tech. Research Center, 2525 E. El Segundo Blvd., El Segundo, CA 90245 [(213)535-6088])
- 26-7 **NATO Advanced Study Inst on NMR of Liquid Crystals** San Miniato, Italy 1/83

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