



Trends in Physics

EPS 6th General Conference, 27-31 August 1984

Why are the General Conferences of the European Physical Society so special? There are a number of reasons:

- 1) As physics becomes more and more specialised, the opportunities for obtaining a bird's eye view of developments in physics outside one's own particular discipline become more and more restricted.
- 2) Parallel to the specialisation there is a greater inter-dependence of disciplines as the techniques, both theoretical and experimental, that have been developed in one discipline become relevant to another.
- 3) Even the data generated in one field may have an immediate impact on another but there is always the risk that they remain unperceived.
- 4) Few areas of physics can retain a peak interest indefinitely: some will fall as others rise and it is neither productive nor intellectually rewarding to pursue in ever greater detail — or persuade students to follow — the minutiae of a subject that has already been worked through.
- 5) Although many good review journals are

published, the quantity of material that has to be read immediately leads to neglect of long-term information.

- 6) Because of mounting pressures, not least those of administration, the time for reflective and relaxed exchanges with colleagues from far afield becomes shorter.
- 7) International exchange, recognized everywhere as an invaluable stimulus, is so often confined to exchanges within a small circulating group that has less and less input from outside.
- 8) The generation gap is not merely a domestic problem but intellectual also, perpetuated often by the traditional structures that have grown up.

The EPS General Conferences are designed to counter these tendencies. Almost unique in the physics meetings calendar, they provide a genuine over-view of the high-points in physics through the Plenary Sessions and a more detailed insight into subjects of outstanding topicality through the Symposia. Nor is the impact of physics on the well-being of mankind ignored, with

special sessions devoted to educational and social problems. A generous participation of young physicists is encouraged through the support given by the EPS Young Physicists Fund and the different schemes operated by the various national societies.

Prague is a magnificent location and the Agricultural Faculty where the Conference will be held is particularly attractive, with wide lawns and flowers beds, ponds and fountains — a campus that combines modern buildings and facilities with a park-like charm. Altogether a setting which should provide the ideal conditions for maximum interchange. Because, as we are all aware, it is not just the Conference sessions, it is the interaction of minds in an intellectually stimulating yet relaxed environment which can bring so much to the participants and have such an important long-term impact on their work.

The first bulletin produced by the International Programme Committee under its chairman, Professor Leon Van Hove has now been published and is available together with preliminary registration forms at the EPS Secretariat. Members of EPS receive their individual copies with this issue of *Europhysics News*.

Guide to Entries

Europhysics News publishes annually three Meetings Issues: in March, June and November. In the March issue the information received to date is given in full; in the two subsequent issues some entries may be abbreviated and marked by an asterisk (*) indicating that full information can be found in the preceding Meetings Issue of *Europhysics News*.

The events listed are those for which details were received at the EPS Secretariat in Geneva by May 1983. In general, all events interesting European physicists which take place from six weeks after the date of publication are quoted. Most readers will already have taken their decision

regarding earlier events but like to have as long an advance notice as possible of future happenings.

The listings are in date order divided into two categories — Conferences and Schools. Europhysics Conferences, i.e. meetings organized by EPS, its Divisions and Sections, are printed in bold type and boxed; events sponsored by EPS are printed in bold type; Europhysics Study Conferences are marked by an Θ preceding the date.

For inclusion in the November 1983 issue, organizers should send available details to the EPS Secretariat by 17 October.

Organizers of conferences that are European in concept may apply for EPS sponsorship through the Secretariat.

Key to Abbreviations

- A: Application deadline
Ab: Abstracts deadline
inv.: restricted to invited applicants
NP: no proceedings will be published
P: Papers deadline (information on proceedings has not been received)
PP: proceedings will be published.

The information is given in this order:

- | Date | Venue |
|--|-------|
| Title | |
| Contact for information | |
| A: / Ab: / PP, NP or P: Papers deadline / Number of participants / inv. / languages other than English / Sponsorship / Conference fee. | |
| ◀ after the date indicates that there has been an important amendment to a previously published entry. | |

Conferences 1983

20-27 July Brighton, UK
Int. Europhysics Conf. on High Energy Physics
J. J. Thresher, Rutherford Appleton Lab., Chilton, Didcot, Oxon OX11 0QX
A: 1.3.83 / Ab: 20.5.83 / PP: 20.6.83 / 800 / inv. / £ 80.— IOM; 90.— mbrs 4b; 40.— students

24-25 July nr. Rome, Italy
 * Wave Functions and Mechanism from Electron Scattering Processes

24-25 July Bielefeld, FRG
 * Collisions in Strong Fields

24-26 July Münster, FRG
 * Polarization & Correlation in Electron-Atom Collisions

24-29 July Albany, NY, USA
 * 9th AIRAPT International High-Pressure Conf.

25-26 July Berlin-West
 * Int. Workshop on Atomic and Molecular Photoionization (Use of Synchrotron Radiation)

25-29 July Trieste, Italy
 * Computer Simulation of Quantum Systems

25-29 July Edinburgh, UK
 * Statistical Mechanics (STAT - PHYS 15)

27 July - 2 Aug. Berlin-West
 * 13th Int. Conf. on Physics of Electronic and Atomic Collisions (ICPEAC)

31 July - 4 Aug. New York, NY, USA
 * American Assoc. of Physicists in Medicine

1-4 Aug. Aspen, CO, USA
 * 2nd Topical Meeting on Coherent Laser Radar

1-5 Aug. St. Andrews, UK
 * 75th Jubilee Conference on Helium-4

1-10 Aug. Boulder, CO, USA
 * 7th Int. Conf. on Mathematical Physics

4-5 Aug. Kaiserslautern, FRG
 * 3rd Symp. on Dynamics of Molecular Collisions

4-5 Aug. nr. Utrecht, NL
 * Int. Seminar on Ion-Atom Collisions (ISIAC)

4-5 Aug. Innsbruck, Austria
 * International Swarm Seminar

4-5 Aug. Linz, Austria
 * 3rd Workshop: Inner - Shell Ionization by Light Ions

4-9 Aug. Ithaca, NY, USA
 * Lepton Photon Interaction at High Energies

8-11 Aug. College Park, MD, USA
 * Unstable Current Systems and Plasma Instabilities in Astrophysics (IAU)

8-12 Aug. Jerusalem, Israel
7th Int. Conf. on Vacuum Ultraviolet Radiation Physics
I.T. Steinberger, Racah Inst. of Physics, Hebrew University, Jerusalem
A: Spring 83 / PP: Spring 83 / 400 / IUPAP / approx. US \$ 130.— incl. proc.

8-12 Aug. Liège, Belgium
 * 8th European Crystallographic Meeting

11-16 Aug. Batavia, IL, USA
 * 12th Int. Conf. on High Energy Accelerators

15-19 Aug. Colorado Springs, CO, USA
 Cryogenic Engineering Conf. — Int. Cryogenic Materials Conf.
 T.M. Flynn, 773.1, National Bureau of Standards, I-4001, 325 Broadway, Boulder, CO 80303
 A: 15.8.83 / Ab: 1.3.83 / PP: 15.8.83 / 600

17-19 Aug. Lund, Sweden
 Atomic Spectra and Oscillator Strengths for Astrophysics and Fusion Research
 Atomic Spectroscopy, Physics Dept., Univ. of Lund, Sölvegatan 14, S-22362 Lund

18-26 Aug. Lyngby/Copenhagen, DK
 * IUPAC General Assembly

21-27 Aug. Karlsruhe, FRG
 * 10th Int. Conf. on Few-Body Problems in Physics

22-26 Aug. Stuttgart, FRG
 * 4th Int. Conf. on Phonon Scattering in Condensed Matter

22-26 Aug. Tokyo, Japan
 * 10th Int. Conf.: Amorphous and Liquid Semicond.

22 Aug. - 3 Sept. Bangalore, India
 * 18th Int. Cosmic Ray Conference

24-26 Aug. Copenhagen, Denmark
 * Thermal Analysis and Calorimetry

29-30 Aug. Como, Italy
 * Workshop on Search for Heavy Flavours

29-31 Aug. Athens, Greece
 * MECO 83: Measurement and Control
 6th IASTED Int. Symposium

29 Aug. - 2 Sept. Liège, Belgium
 * Computer Coupling of Phase Diagrams and Thermochemistry (CALPHAD XII)

29 Aug. - 2 Sept. Delft, NL
 Atmospheric Dispersion of Heavy Gases and Small Particles
 G. Ooms, Lab. for Aero- and Hydrodynamics, Dept. of Mechanical Engineering, Delft Univ. of Technology, Rotterdamseweg 145, NL-2628 AL Delft
 inv. / IUTAM, IUIGG

29 Aug. - 3 Sept. Florence, Italy
 * Int. Conf. on Nuclear Physics

29 Aug. - 3 Sept. Düsseldorf, FRG
16th Int. Conf. on Phenomena in Ionized Gases (ICPIG - XVII)
K. Suchy, Inst. f. Theor. Physik II, Universität Düsseldorf, Universitätsstr. 1, D-4000 Düsseldorf 1
PP: 8.4.83 / 500 / IUPAP / approx. DM 220.— incl. proc.

29 Aug. - 3 Sept. Altenberg, FRG
 * 3rd Int. Conf. on Recent Progress in Many-Body Theories

30 Aug. - 2 Sept. Asiago, Italy
 * Astronomy with Schmidt-Type Telescopes (IAU)

30 Aug. - 2 Sept. Guildford, UK
 * EMAG '83

31 Aug. - 2 Sept. Lake Como, Italy
Physics in Collisions III: High Energy ee, ep, pp Interactions
G. Bellini, Ist. di Scienze Fisiche "Aldo Pontremoli", Via Celoria 16, I-20133 Milano
A: 15.5.83 / PP / 150 / inv. / US \$ 85.— incl. proc.

1-4 Sept. Bucharest, Romania
Magnetism of Rare Earths and Actinides
E. Burzo, Central Inst. of Physics, POB MG-6, Bucharest-Magurele
A: 1.8.83 / PP: 15.6.83 / 250 / incl. proc. SFr. 100.— IOM; 200.— others

4-6 Sept. Herrsching, Ammersee, FRG
 Techniques in Studies of Biological Effects of Low Level Millimetre Waves
 F. Keilmann, Max-Planck Inst. f. Festkörperforschung, D-7000 Stuttgart 80
 Ab: 30.6.83 / NP / 40 / URSI

5-8 Sept. Tübingen, FRG
 * Structure and Evolution of the Magellanic Clouds

5-8 Sept. Orsay, France
 * Int. Symp.: Highly Excited States - Nuclear Structure

5-9 Sept. London, UK
 Advanced Technology Optical Telescopes II (5-6.9) Instrumentation in Astronomy V (7-9.9)
 SPIE, POB 10, Bellingham, WA 98227-0010, USA

5-9 Sept. Grenoble, France
 * Magnet Technology 8 (MT-8)

5-9 Sept. Durham, UK
 * Int. Conf. on Fourier Transform Spectroscopy

5-9 Sept. Toulouse, France
 * 10th Int. Conf.: Optics of X-Rays - Microanalysis

5-9 Sept. Aachen, FRG
11th European Conf. on Controlled Fusion and Plasma Physics
Mrs. H. Bongartz, KFA Jülich GmbH, Tagungsbüro, Postfach 1913, D - 5170 Jülich 1
A: 1.7.83 / Ab: 15.3.83 / PP: 1.6.83 / 300 / incl. proc. DM 300.— IOM; 330.— mbrs 4b; 380.— others; 150.— students

5-9 Sept. Bucharest, Romania
 * 29th Int. Symposium on Macromolecules

5-10 Sept. Trieste, Italy
 * 12th Int. Coll. on Group Theor. Methods in Physics

6-9 Sept. Peking, P.R. of China
 * 2nd Int. Conference on Lasers

6-9 Sept. Eger, Hungary
Europhysics Conf. on Soft Magnetic Materials 6 (SMM6)
K. Tompa, Central Res. Inst. f. Physics, POB 49, H-1525 Budapest
A: 15.12.82 (pre-reg.) / PP / 200 / inv. / US \$ 95.— IOM, mbrs 4b; 105.— others; 25.— students

6-13 Sept. Bratislava, CSSR
 11th Int. Symposium on Nuclear Electronics
 P. Povinec, Comenius Univ., Dept. of Nuclear Phys., Mlynska dolina F-1, CS-84125 Bratislava
 Ab: 15.3.83 / PP / 150 / Engl., Russian / Kcs 600.— incl. proc.

7-9 Sept. Ferrara, Italy
 Int. Conf. on Magnetic Recording Media
 A. Cecchetti, Ist. di Fisica, Università di Ferrara, Via Paradiso 12, I-44100 Ferrara
 A: 1.3.83 / Ab: 1.4.83 / PP: 28.5.83 / 40 / US \$ 170.—

7-17 Sept. Varenna, Italy
 * Course and Workshop: Mirror-Based and Field-Reversed Approaches to Magnetic Fusion

11-16 Sept. Antwerpen, Belgium
 * Joint Meeting: Deutsche Ges. f. Elektronenmikroskopie, Soc. Belge de Microscopie Electronique

12-14 Sept. BNL, Upton, NY, USA
 * 3rd Nat. Conf. on Synchrotron Rad. Instrumentation

12-14 Sept. San Francisco, CA, USA
 * 5th Int. Conf. on High Power Particle Beams

12-15 Sept. Villigen, Switzerland
 * Magnet Measurement Workshop (MMW-3)

12-16 Sept. Kyoto, Japan
 * Int. Ion Engineering Congress (ISIAT 83, IPAT 83)

12-16 Sept. Geneva, Switzerland
 * Observational Tests of the Stellar Evolution Theory

12-16 Sept. Lille, France
 * Int. Conf. on Dynamics of Interfaces

12-16 Sept. Stuttgart, FRG
7th Int. Conf. on Crystal Growth
K.W. Benz, Secretary ICCG-7, Kristall-Labor, Physikalisches Institut der Universität, Pfaffenwaldring 57, D-7000 Stuttgart - 80
A: 1.8.83 / Ab: 1.3.83 / PP: 1.3.83 / 650 / IUPAC, IUPAP, IUCr / DM 240.— before 1.8.83

12-16 Sept. Lauzelle (Ottignies), B
 * 16th Int. Symposium on Free Radicals

- 12-17 Sept.** Heraklion, Crete
* 6th Specialized Int. Colloque Ampère: Quadruple Interactions and Spatially Resolved NMR in Solids
- 13-15 Sept.** Bratislava, CSSR
Surface Analysis '83
Conf. Secr., Dom Techniky,
Skultétyha 1, CS-83227 Bratislava
Ab: 1.3.83 / P: 1.3.83 / Engl., Russian
- 13-15 Sept.** Trieste, Italy
Clusters and Groups of Galaxies
F. Mardirossian, Osservatorio Astronomico di Trieste, Via G.B. Tiepolo 11, I-34131 Trieste
A: 15.8.83 / Ab: 30.6.83 / PP: 15.8.83 / 100 / US \$ 50.—
- 13-16 Sept.** Canterbury, UK
13th European Solid State Device Research Conf. (ESSDERC)
8th Symposium on Solid State Device Technology (SSSDT)
Meetings Officer, Institute of Physics, 47 Belgrave Square, London SW1X 8 QX
Ab: 2.5.83 / PP / 300 / £ 95.— IOM, mbrs 4b; 115.— others, incl. proc.; 47.— students
- 13-16 Sept.** Strasbourg, France
Statistical Methods in Astronomy
C. Jaschek, Observatoire de Strasbourg,
11 rue de l'Université, F-67000 Strasbourg
- 14-16 Sept.** Orléans, France
Collisions et Rayonnement
P. Ranson, GREMI, Univ. d'Orléans,
F-45046 Orléans Cedex
- 14-16 Sept.** Loughborough, UK
* Concentrated Colloidal Dispersions
- 14-16 Sept.** Madrid, Spain
9th Symposium on Microprocessing and Microprogramming (Euromicro 83): Developments in Industry, Business and Education
Euromicro, TH Twente, POB 217, NL-7500 AE Enschede
- 14-16 Sept.** Reading, UK
* Physical Aspects of Polymer Science
- 15-17 Sept.** Blacksburg, VA, USA
Meeting of the Particles and Fields Div. (APS)
A. Abashian, Physics Dept., Virginia Polytechnic Inst. and State University, Blacksburg, VA 24061
- 16-18 Sept.** Peking, P.R. of China
* 7th Rare Earth - Cobalt Magnet Workshop
- 18-22 Sept.** Lisbon, Portugal
* 1st Iberian Symposium on Condensed Matter
- 18-22 Sept.** Hvar, Yugoslavia
* Rapid Variability of Early-Type Stars
- 18-23 Sept.** New Delhi, India
* 12th World Energy Conference
- 19-21 Sept.** Budapest, Hungary
* Hungarian Conf. on Crystal Growth
- 19-22 Sept.** Upton, NY, USA
OSA/BNL Topical Meeting: Free Electron Generation of Extreme Ultraviolet Coherent Radiation
Optical Society of America, 1816 Jefferson Place, N.W., Washington, DC 20036
Ab: 20.6.83 / P: 12.9.83 / before 19.8: US \$ 140.—; 50.— students; at meeting 160.—, 65.—
- 19-22 Sept.** Sussex Univ., UK
* 6th Nat. Quantum Electronics Conf.
- 19-23 Sept.** Paris, France
* Physical Chemistry of the Solid State — Applications to Metals and Their Compounds
- 19-23 Sept.** London, UK
* Conf. on Engineering Rheology — Meeting of European Rheologists
- 19-23 Sept.** Tours, France
* 8th Coll. High Resolution Molecular Spectroscopy
- 19-24 Sept.** Grenoble, France
* Congrès Général de la Société Française de Physique
- 20-22 Sept.** Manchester, UK
* Sensors and their Applications
- 20-22 Sept.** Budapest, Hungary
* 3rd Conf. of Technical Committee on Flow Measurement (FLOMEKO '83)
- 20-23 Sept.** Lausanne, Switzerland
9th European Solid-State Circuits Conf. (ESSCIRC '83)
V. Valencic, ESSCIRC 83, EPFL, 33 ave. de Cour,
CH-1007 Lausanne
A: 1.8.83 / Ab: 25.4.83 / PP / SFr. 200.—; 80.— students
- 20-23 Sept.** Berlin-West
Computing in Accelerator Design
(was Warsaw 1982)
W. Busse, Hahn-Meitner-Inst. f. Kernforschung, Glienicke Str. 100, Postfach 390128, D-1000 Berlin 39
A: 1.6.83 / Ab: 1.5.83 / PP: 20.9.83 / DM 300.—; 50.— students
- 20-23 Sept.** Hamburg, FRG
15th Europhysics Conf. on Macromolecular Physics and Hamburg Macromolecular Symp. on New Developments in the Characterization of Polymers in the Solid State
H.G. Zachmann, Abt. Angewandte Chemie, Univ. Hamburg, Martin-Luther-King-Platz 6, D-2000 Hamburg
A: 1.8.83 / Ab: 30.4.83 / NP / 150 / DM 200.— IOM, mbrs. 4b, 240.— others, 40.— students
- 20-26 Sept.** Sant Feliu de Guixols, E
1st Int. Meeting on the History of Scientific Ideas: Symmetries in Physics 1600-1980
M.G. Doncel, Dept. Fisica Teorica, U.A.B., Bellaterra (Barcelona)
A: 30.6.83 / Ab: 30.6.83 / PP: 20.9.83 / 100 / US \$ 100.—

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- 26-28 Sept. ◀** **Bordeaux, France**
Hertzian Optics and Dielectrics
Y. Servant, Lab. d'Optique Ultra-Hertzienne, Université de Bordeaux-I, F-33405 Talence Cedex
A: 30.6.83 / Ab: 28.5.83 / PP: 26.9.83 / 100 / Engl., French / FF 250. — incl. proc.
- 26-29 Sept.** Oxford, UK
 Anniversary Meeting: Office Automation
 C.J.M. Aarts, SEAS Headquarters,
 Toernooiveld, NL-6525 ED Nijmegen
 A: 1.9.83 / Ab: 15.5.83 / PP: 1.9.83 / 300 / hFl. 1000. —
- 26-29 Sept.** Upton, NY, USA
 3rd Int. Conf. on Ultrarelativistic Nucleus-Nucleus Collisions
 Mrs. R. Greenberg, Physics Dept., Bldg 510A,
 Brookhaven Nat. Lab., Upton, NY 11973
- 26-30 Sept.** London, UK
 * 16th European Conf. on Laser Interaction with Matter
- 26-30 Sept.** Liblice, CSSR
 * Int. Symposium on Jahn-Teller Effect
- 26 Sept. - 1 Oct.** **Torremolinos (Malaga), Spain**
5th European Meeting on Ferroelectricity EMF 5
E. Maurer, Instituto de Fisica de Materiales, Serrano 144, E-Madrid 6
A: 1.7.83 / Ab: 1.3.83 / PP: 26.9.83 / 500 / US \$ 100. —; 75. — students
- 26 Sept. - 1 Oct.** Madrid, Spain
 9th International Vacuum Congress (IX IVC)
 5th Int. Conf. on Solid Surfaces (V ICSS)
 IX IVC - V ICSS Secr., Inst. de Fisica de Materiales,
 CSIC, Serrano 144, Madrid-6
 A: 20.7.83 / Ab: 1.4.83 / IUUVSTA / US \$ 240. —
- 26 Sept. - 7 Oct.** Murcia, Spain
 4º Reunion del Grupo de Electricidad y Magnetismo
 P.E.M. Rodriguez, Catedra de Electricidad,
 Facultad de Ciencias, Murcia
- 27-29 Sept.** Hamburg, FRG
 DESY Workshop on Hadron and Jet Structure
 K. Schilling, Fachber. Physik, Gesamthochschule Wuppertal,
 Gauss-Str. 20, D-5600 Wuppertal
- 27-30 Sept.** Paris, France
 Int. Meeting: Phys. Chemistry of Colloids and Interfaces — Biotechnologies and Drug Research
 C. Troyanowsky, Soc. de Chimie Physique,
 10 rue Vauquelin, F-75231 Paris Cedex 03
 A: 20.9.83 / Ab: 1.3.83 / P: at mtg. / 250
- 28-30 Sept.** Nantes, France
 Congrès International sur le Comportement mécanique et physique des Matériaux sous sollicitations dynamiques
 Chiem-Chi-Yuen, ENSM, 1 rue de la Noë,
 F-44072 Nantes Cedex
 Ab: 1.3.83 / PP
- 28-30 Sept.** Linz, Austria
 Jahrestagung der Oesterreichischen Physikalischen Gesellschaft
 H. Paul, Inst. f. Experimentalphysik,
 Universität Linz, A-4040 Linz
- 29 Sept. - 1 Oct.** Tokyo, Japan
 High Energy Photonic Nuclear Reactions and Related Topics
 S. Homma, Inst. f. Nuclear Study, Univ. of Tokyo,
 Tanashi, Tokyo 188
 A: 30.7.83
- 1-7 Oct.** Erice, Italy
 Workshop on Induced Gravity
 S.L. Adler, School of Natural Sciences, Institute of Advanced Study, Princeton, NJ 08540
- 2-5 Oct.** Oak Brook, IL, USA
 Int. Conf. on Thermal Infrared Sensing for Diagnostics and Control (Thermosense VI)
 SPIE, POB 10, Bellingham, WA 98227-0010
 Ab: 2.5.83 / P: 1.8.83
- 3-5 Oct.** Capri, Italy
 Int. Seminar on Indoor Exposure to Natural Radiation and Related Risk Assessment
 Secr. Int. Sem., CEC, J. Sinnaeve DG XII-F-1,
 rue de la Loi 100, B-1049 Brussels
 Ab: 15.3.83 / PP: 3.10.83
- 4-6 Oct.** USSR
 3rd Symposium of Tech. Comm. on Technical Diagnostics
 IMEKO Secretariat, POB 457, H-1371 Budapest 5
- 4-6 Oct.** Cincinnati, OH, USA
 15th National Technical Conf. of SAMPE
 M. Smith, SAMPE, POB 613, Azusa, CA, 91702
 Ab: 1.2.83 / P: 1.7.83
- 4-7 Oct.** Toulouse, France
 Environmental and Thermal Control Systems for Space Vehicles
 CNES, Dépt des Affaires Universitaires,
 18 av. Edouard-Belin, F-31055 Toulouse Cedex
 Engl., French
- 5-7 Oct.** Toronto, Canada
 41st Int. Pittsburgh Diffraction Conf.
 3rd Canadian Crystallography Conf.
 R.H. Marchessault, Xerox Res. Centre of Canada,
 2480 Dunwin Drive, Mississauga, Ont. L5L 1J9
- 6-9 Oct.** Ann Arbor, MI, USA
 Monopole '83 Conference
 J. Stone, Monopole '83, Univ. of Michigan, Dept. of Physics, Ann Arbor, MI 48109
- 10-13 Oct.** Louvain-la-Neuve, B
 Int. Symposium Georges Lemaître (IAU)
 A. Berger, Inst. of Astronomy and Astrophysics G. Lemaître, Catholic Univ. of Louvain, chemin du Cyclotron 2, B-1348 Louvain-la-Neuve
- 10-13 Oct.** Albuquerque, NM, USA
 3rd Topical Meeting on Fusion Reactor Materials
 M.J. Davis, Dept. 5830, Sandia Nat. Laboratories,
 POB 5800, Albuquerque, NM 87185
 PP
- 10-14 Oct.** Trieste, Italy
 Perspectives in Nuclear Physics at Intermediate Energies
 Int. Centre f. Theor. Phys., POB 586, I-34100 Trieste
 A: 30.6.83
- 10-15 Oct.** Budapest, Hungary
 34th Congress of Int. Astronautical Federation
 Hungarian Astronautical Society,
 Kossuth Lajos tér. 6-8, H-1055 Budapest
- 11-13 Oct.** Lausanne, Switzerland
 Journées d'Electronique de l'EPFL 1983: Testing Complex Integrated Circuits — A Challenge
 Secr. Journées d'Electronique EPFL,
 ch. de Bellerive 16, CH-1007 Lausanne
 A: 15.9.83 / Ab: 15.3.83 / PP: 1.8.83 / Engl., French / incl. proc. SFR. 180. — before 15.9.83; 240. — after
- 11-14 Oct.** Albany, NY, USA
 36th Annual Gaseous Electronics Conf.
 G.A. Farrall, G.E. Res. and Development Center,
 POB 8, Schenectady, NY 12301
 Ab: 29.7.83
- 13-15 Oct.** Notre Dame, IN, USA
 Meeting of Nuclear Physics Division (APS)
 The American Physical Society,
 335 E. 45th., New York, NY 10017
- 13-16 Oct.** Delémont/Porrentruy, CH
 Réunion d'automne de la Société Suisse de Physique
 B. Vaucher, Société Suisse de Physique, Inst. de Physique de l'Université, Pérolles, CH-1700 Fribourg
 Ab: 15.8.83 / PP / 150 / Engl., French, German
- 16-20 Oct.** Bad Stuer, GDR
 Int. Workshop on Electroluminescence
 G.O. Müller, Akad. d. Wissenschaften d. DDR, Zentralinstitut f. Elektronenphysik, Mohrenstrasse 40/41,
 DDR-1086 Berlin
 A: 1.8.83 / Ab: 15.6.83 / P: 15.6.83 / 50 / US \$ 300. — incl. board, accomm.
- 17-18 Oct.** Florence, Italy
 2nd European Conf. on Integrated Optics (ECIO 2)
 G.C. Righini, EROE, Via Panciatichi 64, I-50127 Firenze
- 17-19 Oct.** Upton, NY, USA
 Brookhaven Conf.: Advances in Soft - X-Ray Science and Technology
 SPIE, POB 10, Bellingham, WA 98227-0010
 Ab: 16.5.83 / P: 15.8.83
- 17-20 Oct.** New Orleans, LA, USA
 Annual Meeting of Optical Society of America
 Optical Society of America, 1816 Jefferson Place,
 N.W., Washington, D-20036
 Ab: 10.6.83 / PP / US \$ 105. —
- 20-22 Oct.** Blacksburg, VA, USA
 Meeting of Particles and Fields Div. (APS)
 The American Physical Society,
 335 E. 45th Str., New York, NY 10017
- 20-25 Oct.** Madrid and Lisbon
 Primeras Jornadas Hispano-Portuguesas de Tribologia
 A. Rincon, Instituto Rocasolano,
 Serrano 119, Madrid-6, Spain
- 21-22 Oct.** Upton, NY, USA
 22nd Eastern Theoretical Physics Conference
 L. Trueman, Physics Dept., Brookhaven National Lab.,
 Upton, NY 11973
- 21-23 Oct.** Chester, UK
 Annual Conf. of British Assoc. for Crystal Growth
 F.W. Ainger, Plessey Research (Caswell) Ltd., Allen
 Clark Res. Centre, Caswell, Towcester, Northants.,
 NN12 8EQ
- 21-26 Oct.** Messina, Italy
 69th Nat. Congress of Italian Physical Society
 Ms. E. Mazzi, Società Italiana di Fisica,
 Via L. degli Andalò 2, I-40124 Bologna
 Ab: 30.6.83 / PP / 700 / Italian, Engl. / Lit. 10000
 (mbrs. SIF); 15000 (others)
- 22-24 Oct.** Srinagar, India
 6th Annual Conf. on Medical Physics
 S. Kaul, 6th AMPI Conf., Sher-I-kashmir, Inst. of Medical Sciences, Srinagar 190011
- 23-26 Oct.** Geneva, Switzerland
 9th European Conf. on Optical Communication
 Conf. Secr. ECOC 83, A. Sollberger, Inst. for Applied Physics, Swiss Fed. Inst. of Technology,
 CH-8093 Zurich
 Ab: 30.4.83 / PP / URSL / incl. proc. SFR. 550. — before 15.9.; 590. — after
- 24-26 Oct.** London, UK
 Advanced Infrared Detectors and Systems
 IEE Conf. Dept., Savoy Place, London WC2R 0BL
 Ab: 24.3.83 / P: 29.7.83
- 27-28 Oct.** Stanford, CA, USA
 10th Annual Stanford Synchrotron Rad. Lab. Users Group Meeting
 B. Patterson, Stanford Univ., SSRL/SLAC Bin 69,
 Stanford, CA 94035
- 31 Oct. - 4 Nov.** Boston, MA, USA
 1983 Symposium of American Vacuum Society
 Exec. Secr., American Vacuum Soc.,
 335 E. 45th Str., New York, NY 10017
- 2-4 Nov.** Bad Honnef, FRG
 Collective Excitations in Nuclei
 P. von Brentano, Inst. f. Kernphysik d. Universität,
 Zulpicher Str. 77, D-5000 Köln 41
 NP / 60 / inv.
- 6-11 Nov.** Pittsburgh, PA, USA
 Magnetism and Magnetic Materials Conference
 F.J. Werner, Westinghouse R. & D. Center,
 130 Beulah Rd., Pittsburgh, PA 15235
- 7-11 Nov.** Los Angeles, CA, USA
 Meeting of Plasma Physics Division (APS)
 The American Physical Society,
 335 E. 45th Str., New York, NY 10017
- 7-11 Nov.** Trieste, Italy
 Applications of Physics to Medicine and Biology
 P. Baxa, ICTP, POB 586, I-34100 Trieste
 A: 20.9.83 / Ab: 20.7.83 / IUPAP
- 7-11 Nov.** Toulouse, France
 Workshop: Problems of Collapse and Numerical Relativity
 Monique Signore, DEMIRM, Observatoire de Meudon,
 F-92190 Meudon
- 10-16 Nov.** Düsseldorf, FRG
 9th Int. Congress and Exhibition: Instrumentation and Automation (INTERKAMA 83)
 INTERKAMA 83, NOWEA,
 Postfach 320203, D-4000 Düsseldorf 30
- 13-19 Nov.** Osaka, Japan
 4th Int. Conf. on Secondary Ion Mass Spectrometry
 Jun Okano, SIMS IV, Inst. of Geological Sciences,
 Osaka Univ., 1-1 Machikaneyama-cho, Toyonaka,
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 A: 31.7.83 / Ab: 30.4.83 / PP: 13.11.83 / incl. proc. Y 30000. —; 20000. — students (before 31.7.); 35000. —, 25000. — (after)



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<i>Acustica</i>	<i>Acustica</i>	S. Hirzel Verlag
<i>Advances in Physics</i>	<i>Adv. Phys.</i>	Taylor & Francis
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<i>Computer Physics Communications</i>	<i>Comput. Phys. Comm.</i>	North Holland Pub. Co.
<i>Contemporary Physics</i>	<i>Contemp. Phys.</i>	Taylor & Francis
<i>Czechoslovak Journal of Physics</i>	<i>Czechoslovak J. Physics</i>	Czechoslovak Acad. of Sciences
<i>Journal de Physique</i>	<i>J. Physique</i>	Les Editions de Physique
<i>Journal of Magnetism and Magnetic Materials</i>	<i>J. Mag. Mag. Mat.</i>	North Holland Pub. Co.
<i>Journal of Optics</i>	<i>J. Optics</i>	S.P.P.I.F./Masson
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2. Professional status (position, institution, specialization)

3. Are you a member of a National Physical Society, Academy or Group which is affiliated to the European Physical Society or of a Collaborating Society? (Please check attached list)

YES NO

4. If your answer under 3) is YES, of which National Society, Academy, Group or Collaborating Society are you a member?

5. If your answer under 3) is NO, please ask two Individual Ordinary Members of the European Physical Society to sign this form. Kindly print the names and addresses of the referees supporting your application.

Signature of referee:
Name and address:

Signature of referee:
Name and address:

6. Address to which all documentation should be sent (if different from address under 1):

Date and place:

Signature:

Important: Please also fill in over-leaf!

Name:

First name:

Full address:

wishes to join the following Divisions and Sections:

DIVISIONS:

SECTIONS:

ASTRONOMY AND ASTROPHYSICS

Solar Physics

ATOMIC AND MOLECULAR PHYSICS

Atomic Spectroscopy (EGAS)

Chemical Physics

Electronic and Atomic Collisions

Molecular Physics

COMPUTATIONAL PHYSICS
(Interdivisional Group)

* CONDENSED MATTER

Low Temperature Physics

Macromolecular Physics

Magnetism

Metals

Semiconductors and Insulators

Surfaces and Interfaces

HIGH ENERGY AND PARTICLE PHYSICS

NUCLEAR PHYSICS

OPTICS DIVISION

PLASMA PHYSICS

QUANTUM ELECTRONICS

* For membership in the Division please note that enrolment into one (or more) Section(s) is necessary according to the rules of the Condensed Matter Division.



1984

14-16 Nov. Munich, FRG
3rd European Symposium on Semiconductor Detectors: New Developments in Si Detectors
R. Klanner, Max-Planck-Inst. f. Physik u. Astrophysik, Föhringer Ring 6, D-8000 München 40
A: 15.9.83 / Ab: 15.9.83 / PP: 15.9.83 / 75 / inv. / English / DM 150.— incl. proc.

14-18 Nov. Bratislava, CSSR
Hadron Structure '83
I. Lukac, Inst. of Physics, Electrophys. Res. Centre, Slovak Acad. of Sci., Dubravska cesta, CS-84228 Bratislava
100

20-22 Nov. Houston, TX, USA
Meeting of Fluid Dynamics Division (APS)
The American Physical Society,
335 E. 45th Str., New York, NY 10017

20-23 Nov. San Francisco, CA, USA
General Meeting: American Physical Society
The American Physical Society,
335 E. 45th Str., New York, NY 10017

21-25 Nov. Granada, Spain
5^o Asemblea Nacional de Geodesia y Geofisica
Secr. Gen., Instituto Geografico Nacional,
General Ibanez Ibero 3, Madrid-3
A: 21.11.83 / Ab: 15.5.83 / PP: 21.11.83 / Spanish / ptas. 1000.—

22-24 Nov. Grenoble, France
Dry Plasma Etching in Microelectronics
Mrs. J. Fauvet, 19 rue du Renard, F-75004 Paris
Ab: 20.4.83 / PP: 15.9.83 / 250 / Engl., French / FF 1050.—

December Trieste, Italy
5th Trieste Topical Meeting on Elementary Particle Physics
Int. Centre f. Theor. Phys., POB 586, I-34100 Trieste

5-9 Dec. Johnsbach, GDR
Int. Seminar on Localization in Disordered Systems
W. Weller, Sektion Physik, Karl-Marx-Universität,
Karl-Marx-Platz, DDR-7010 Leipzig
PP / 50 / inv. / English / M 360.—

5-9 Dec. Philadelphia, PA, USA
10th Symposium on Fusion Engineering
R.G. Mills, Plasma Physics Lab., Princeton Univ.,
POB 451, Princeton, NJ 08544

7-9 Dec. Bad Honnef, FRG
Forschungsmanagement in der Physik VIII
W. Heidrich, TTB der KFA Jülich,
Postfach 1913, D-5170 Jülich
A: 31.10.83 / PP / 80 / German / DM 120.— all incl.

8-9 Dec. Cambridge, UK
Molecular and Microstructural Basis of Viscoelasticity and Related Phenomena
Mrs. Y. Fish, The Royal Society of Chemistry,
Burlington House, London W1V 0BN
A: Nov. 83 / Ab: 29.10.82 / PP: 15.8.83 / 150 / £ 24.—

12-16 Dec. Florence, Italy
European Regional Astronomy Meeting (IAU)
F. Pacini, Osservatorio Astrofisico di Arcetri, Largo Enrico Fermi 5, I-50125 Firenze
Ab: 1.9.83 / Engl. / 300 / Lit. 75000

12-17 Dec. Miami Beach, FL, USA
8th Int. Conf. on Infrared and Millimeter Waves
K.J. Button, Nat. Magnet Lab., MIT,
Cambridge, MA 02139
Ab: 1.7.83 / URSI

14-16 Dec. Oxford, UK
20th Annual Solid State Conference
M.R. Wells, Clarendon Laboratory, Parks Road,
Oxford OX1 3PU

4-7 Jan. Tucson, AZ, USA
Protostars and Planets
D. Black, NASA Ames Research Center, Theoret. and Planetary Studies Branch, Code 245-3,
Moffett Field, CA 94035

9-12 Jan. Mérida, Venezuela
Astrometric Techniques (IAU)
H. Eichhorn, SSRB 211, Dept. of Astronomy, Univ. of Florida, Gainesville, FL 32611, USA

16-20 Jan. Toulouse, France
Microwave Signatures in Remote Sensing
Centre d'Etudes Spatiales, Dept. des Affaires Universitaires, 18 av. Edouard-Belin, F-31055 Toulouse
Ab: 1.7.83 / NP / Engl., French / FF 1000.—

23-25 Jan. New Orleans, LA, USA
Topical Meeting: Optical Fibre Communication
Optical Society of America, 1816 Jefferson Place,
N.W., Washington, DC 20036
Ab: 2.9.83 / P: 2.9.83

30 Jan. - 2 Feb. San Antonio, TX, USA
General Meeting: American Physical Society
The American Physical Society, 335 E. 45th Str.,
New York, NY 10017

1-13 March Erice, Italy
Flavour Mixing in Weak Interactions
Ling-Lie Chan, Physics Dept. 510A, Brookhaven Nat. Lab., Upton, NY 11973
A: 30.11.83 / PP / inv. / US \$ 600.— incl. board, lodging

5-7 March Boulder, CO, USA
Topical Meeting: Laser Techniques in Extreme Ultraviolet
Optical Society of America, 1816 Jefferson Place,
N.W., Washington, DC 20036
Ab: 30.11.83

5-8 March Berne, Switzerland
4th Topical Workshop: Proton-Antiproton Collider Physics
B. Hahn, High Energy Physics Lab., Univ. Bern,
Sidlerstr. 5, CH-3012 Bern

12-16 March Münster, FRG
48. Physikertagung: Festkörperphysik (DPG)
Deutsche Physikalische Gesellschaft,
Hauptstrasse 5, D-5340 Bad Honnef

19-23 March Giessen, FRG
Atomphysik, Massenspektrometrie, Quantenoptik
Deutsche Physikalische Gesellschaft,
Hauptstrasse 5, D-5340 Bad Honnef

19-23 March Kiel, FRG
Kurzzeit-, Plasmaphysik, Extraterrestrische Physik
Deutsche Physikalische Gesellschaft,
Hauptstrasse 5, D-5340 Bad Honnef

19-23 March The Hague, NL
4th EPS General Condensed Matter Conf.
F.M. Mueller, Physics Laboratory, Catholic Univ., Toernooiveld, NL-6525 ED Nijmegen
PP / 1000

21-23 March Zurich, Switzerland
2nd Int. Symposium on Performance of Computer Communications Systems
IBM Zurich Res. Lab.,
Säumerstr. 4, CH-8803 Rüschlikon
Ab: 1.7.83 / PP: 15.12.83 / Engl., French

21-28 March Rome, Italy
4th Int. Symposium: Heating in Toroidal Plasmas
H. Knoepfel, ENEA Centre, C.P. 65, I-00044 Frascati

22-24 March Detroit, MI, USA
Conf. on Defects in Amorphous Materials
W.W. Havens jr., 335 E. 45th Str., New York, NY 10017

26-30 March Detroit, MI, USA
General Meeting: American Physical Society
The American Physical Society, 335 E. 45th Str.,
New York, NY 10017

26-30 March Innsbruck, Austria
Frühjahrstagung Kernphysik (Austrian, German and Swiss Phys. Societies)
W. Breunlich, Inst. f. Radiumforschung u. Kernphysik, Univ. Wien, Boltzmanngasse 3, A-1090 Wien
Ab: Nov. 83 / NP / 600 / German, Engl.

27-29 March Darmstadt, FRG
Akustik (DAGA '84)
Deutsche Physikalische Gesellschaft,
Hauptstrasse 5, D-5340 Bad Honnef

1-4 April York, UK
Vacuum '84 — Technological Aspects of Surface Treatment and Analysis
J.S. Colligon, Thin Film and Surface Res. Centre, Dept. of Electronic and Electr. Engng, Univ. of Salford, Salford M5 4WT

1-5 April York, UK
6th European Conf. on Solid Surfaces (ECOSS-6)
The Meetings Officer, Institute of Physics,
47 Belgrave Square, London SW1X 8QX

3-5 April Reno, NV, USA
29th National SAMPE Symposium, Exhibition
M. Smith, National SAMPE Business Office,
POB 613, Azusa, CA 91702
Ab: 1.8.83 / P: 1.1.84

3-6 April London, UK
4th Int. Conf. on Energy Options
IEE Conf. Dept., Savoy Place, London WC2R 0BL

3-6 April Hertzdorf nr. Dresden, GDR
5th Int. Seminar on Magnetism (with Dresden Seminar on Theor. Physics)
K. Elk, Dept. of Physics, Coll. of Transport and Communications, POB 103, DDR-8072 Dresden
A: 15.12.83 / PP: 3.4.84 / 50 / inv. / Engl., Russian / M 150.— plus 70.— for accomm.

SUNY

Stony Brook

Post-doctoral position is available for an experimental physicist with a background in surface physics.

Experience in any or all of the following fields is desirable: ultra-high vacuum, LEED, AES, UPS, ISS.

Research in surface crystallography will involve correlated experiments at the storage ring (NSLS) and in the laboratory.

Please send résumé, list of publications and references to:

Dr. F. Jona,
Department of Materials
Science and Engineering,
SUNY Stony Brook,
Stony Brook,
N.Y. 11794, U.S.A.

AK 598 B

- 4-6 April** Edinburgh, UK
Working Group on Photographic Problems (IAU)
E. Sim, Royal Observatory, Blackford Hill,
Edinburgh EH9 3HJ
- 5-6 April** Berne, Switzerland
Spring Meeting of Swiss Physical Society
B. Vaucher, Dept. of Physics, Univ. of Fribourg,
CH-1700 Fribourg
Ab: Jan. 84 / PP / 150
- 9-11 April** Hull, UK
Interfacial Kinetics in Solution
Mrs. Y.A. Fish, The Royal Society of Chemistry,
Burlington House, London W1V 0BN
A: March 84 / Ab: 15.4.83 / PP: 15.12.83 / 200
- 9-12 April** Garching, FRG
Very Large Telescopes, their Instrumentation and Programs
M.-H. Ulrich, ESO, Karl-Schwarzschild-Str. 2,
D-8046 Garching b. München
- 9-12 April** Oxford, UK
3rd Int. Conf. on Mechanical Properties of Materials at High Rates of Strain
J. Harding, Dept. of Engineering Science, Univ. of Oxford, Parks Road, Oxford OX1 3PJ
Ab: 11.6.83 / PP
- 9-13 April** Knokke, Belgium
SEAS Spring Meeting: Processing Statistical Information
C.J.M. Aarts, SEAS Headquarters, Toernooiveld,
NL-6525 Nijmegen
A: 15.3.84 / Ab: 7.12.83 / PP: 1.3.84 / 200
- 9-13 April** Hamburg, FRG
Int. Magnetism Conference (INTERMAG)
W.E. Proebster, IBM Germany,
POB 800880, D-7000 Stuttgart 80
- 9-13 April** Eilat, Israel
Int. Symposium on Properties and Applications of Metal Hydrides IV
D. Shaltiel, Racah Inst. of Physics, Hebrew University,
91904 Jerusalem
Ab: Sept. 83 / PP: Jan. 84 / US \$ 150.— incl. proc.
- 11-13 April** Bradford, UK
Conference on Nuclear Structure Physics
The Meetings Officer, Institute of Physics,
47 Belgrave Square, London SW1X 8QX
- 16-20 April** Evora, Portugal
4th Nat. Conf. on Physics (Fisica 84)
J.C. Soares, CFNUL, Av. Gama Pinto 2,
P-1699 Lisboa, Codex
500 / Port., Spanish, French, Engl.
- 18-24 April** Monterey, CA, USA
Topical Meeting on Optical Data Storage
Optical Society of America, 1816 Jefferson Place,
N.W., Washington, DC 20036
Ab: 6.1.84
- 26-28 April** Washington, DC, USA
General Meeting: American Physical Society
The American Physical Society, 335 E. 45th Str.,
New York, NY 10017
- 7-11 May** Darmstadt-Seeheim, FRG
Linear Accelerator Conference (LINAC-84)
N. Angert, Ges. f. Schwerionenforschung (GSI),
Postfach 110541, D-6100 Darmstadt
A: 1.12.83 / Ab: 31.1.84 / PP: 7.5.84 / 150 / inv. / DM 200.— incl. proc.
- 14-18 May** Debrecen, Hungary
Int. Symposium on Ion-Beam Nuclear Spectroscopy
T. Fényes, Inst. of Nuclear Research, Hungarian Acad.
of Sciences, Bem tér 18/c, Pf. 51, H-4001 Debrecen
Ab: 1.2.84
- 14-18 May** Nagoya, Japan
6th Int. Conf. on Plasma Surface Interactions in Controlled Fusion
A. Miyahara, Inst. of Plasma Physics, Nagoya Univ.,
Nagoya 464
- 21-24 May** St. Louis, MO, USA
Int. Conf. on Plasma Science
T.J. Meene, McDonnell-Douglas Corp.,
POB 516, St. Louis, MO 63166
- 28-30 May** Storrs, CT, USA
Meeting of Electron and Atomic Physics Div. (APS)
American Physical Society,
335 E. 45th Str., New York, NY 10017
- June** Strasbourg, France
Cool Stars with Excess of Heavy Elements
M. Jaschek, Observatoire de Strasbourg,
11 rue de l'Université, F-67000 Strasbourg
- 4-6 June** Madison, WI, USA
The Local Interstellar Medium
Y. Kondo, Code 683, NASA-Goddard Space Flight Center,
Greenbelt, MD 20771
- 4-7 June** Paris, France
Capteurs 84 — Technologie et Applications
P. Thureau, CIAME, 9 rue Huysmans, F-75006 Paris
A: 1.10.83 / PP: 1.2.84 / 300 / Engl., French
- 4-7 June** Bruges, Belgium
Int. Symposium: Polymer Alloys — Structure and Properties
R. Fayt, Université de Liège, Institut de Chimie,
B-4000 Liège (Sart Tilman)
A: April 84 / Ab: 15.11.83 / PP: 15.2.84 / 150
- 5-7 June** Greenbelt, MD, USA
The Origin of Nonradiative Heating / Momentum in Hot Stars
A.B. Underhill, Code 680, Goddard Space Flight Center,
Greenbelt, MD 20771
- 11-15 June** Aussois, France
7th Int. Conference on Spectral Line Shapes
F. Rostas, DAPHE, Observatoire de Paris,
F-92195 Meudon
A: 1.3.84 / PP: 1.3.84 / 150
- 11-16 June** Lund, Sweden
15th Int. Symposium on Multiparticle Dynamics
B. Andersson, Dept. of Theor. Physics,
Soelvegatan 14A, S-22362 Lund
100 / inv.
- 17-21 June** Helsinki, Finland
4th Int. Symposium on the Physics of Quark-Gluon Plasmas
T. Toimela, Res. Inst. for Theor. Physics,
Siitavuorenpenger 20C, SF-00170 Helsinki 17
100 / inv.
- 18-20 June** Princeton, NJ, USA
44th Annual Conf. on Physical Electronics
American Physical Society,
335 E. 45th Str., New York, NY 10017
- 18-22 June** Anaheim, CA, USA
4th Conf. on Lasers and Electro-Optics (CLEO 84)
13th Int. Quantum Electronics Conf. (IQEC 84)
Optical Society of America, 1816 Jefferson Place, N.W.,
Washington, DC 20036
- 20-22 June** Dublin, Ireland
3rd Int. Conf. on Boundary and Interior Layers
BAIL III Conf., 39 Trinity College, Univ. of Dublin,
Dublin 2
- 25 June - 7 July** Graz, Austria
25th COSPAR Plenary Meeting (and associated events)
Z. Niemirówic, COSPAR, 51 bd de Montmorency,
F-75016 Paris
Ab: 1.2.84 / 1000 / Engl., French / US \$ 100.—
- 27-29 June** Cambridge, UK
11th Annual Conf. on Plasma Physics (IoP)
H.C. Barr, School of Mathematics and Computer Science,
Univ. of North Wales,
Bangor, Gwynedd LL57 2UW
- 27 June - 3 July** Lausanne, Switzerland
Int. Conf. on Plasma Physics
M.Q. Tran, Centre de Recherches en Physique des Plasmas, Ecole Polytechnique Fédérale,
21 av. des Bains, CH-1007 Lausanne
PP / 400 / SFr. 300.— incl. proc.
- End of June** Essen, FRG
IUTAM Symposium: Influence of Polymer Additives on Velocity and Temperature Fields
K. Kirschke, Deutsche Rheologische Ges. e.V.,
Unter den Eichen 87, D-1000 Berlin 45
- 2-6 July** Berlin-West
8th Int. Congress on Catalysis
A. Benninghoven, Physikal. Inst. der Universität,
Domagkstr. 75, D-4400 Münster
- 8-14 July** Durham, UK
7th European Symposium on Antiproton Physics
M.R. Pennington, Science Laboratories,
Dept. of Physics, University of Durham,
South Road, Durham DH1 3LE
- 9-13 July** Berlin-West
3rd Int. Symposium on Small Particles and Inorganic Clusters
J. Koutecky, Freie Univ. Berlin, Inst. f. Physikal. Chemie, Takustr. 3, D-1000 Berlin 33
A: 1.5.84 / Ab: 1.2.84 / DM 300.—
- 15-19 July** Linz, Austria
Laser Processing and Diagnostics: Applications in Electronic Materials
D. Bäuerle, Angewandte Physik, Johannes-Kepler Univ. Linz, A-4040 Linz
Ab: 15.3.84 / PP / 150 / English / öS. 2500.—
- 15-20 July** Toronto, Canada
5th World Hydrogen Energy Conference
Nat. Res. Council of Canada, Ottawa, Ont. K1A 0R9
- 19-25 July** Leipzig, GDR
22nd Int. Conf. on High Energy Physics
K. Lanus, Inst. f. Hochenergiephysik, Akad. d. Wissenschaften, Platanenallee 6, DDR-1615 Zeuthen
1050 / inv. / IUPAC
- 23-27 July** Chester, UK
4th Int. Conf. on Clustering Aspects of Nuclear Structure and Nuclear Reactions
Mrs. S.A. Lowndes, SERC, Daresbury Lab., Daresbury,
Warrington WA4 4AD
- 23-27 July** Zürich, Switzerland
3rd Int. Conf. on Infrared Physics (CIRP 3)
F. Kneubühl, CIRP - 3, Solid State Physics Lab., ETH,
Hönggerberg, CH-8093 Zurich
- 29 July - 4 Aug.** Bristol, UK
8th Int. Biophysics Congress
H.C. Watson, Dept. of Biochemistry,
University of Bristol, Medical School,
University Walk, Bristol BS8 1TD
- 30 July - 3 Aug.** Heidelberg, FRG
10th Int. Conf. on Particles and Nuclei
G. zu Putlitz, Physikalisches Institut
der Universität Heidelberg,
Philosophenweg 12, D-6900 Heidelberg 1
900
- 31 July - 3 Aug.** Espoo, Finland
10th Int. Conf. on Cryogenic Engineering (ICEC 10)
ICEC 10 Secretariat, Low Temperature Laboratory,
Helsinki University of Technology,
SF-02150 Espoo 15
- August** Auckland, New Zealand
7th IUPAC Conf. on Physical Organic Chemistry
B.R. Davis, Chemistry Dept., Univ. of Auckland,
Private Bag, Auckland
- 9-18 Aug.** Hamburg, FRG
13th Gen. Ass., Int. Congr. of Crystallography (IUG)
H. Saalfeld, Mineral-Petrograph. Inst., Univ. Hamburg,
Grindelallee 48, D-2000 Hamburg 13
- 13-17 Aug.** Stockholm, Sweden
6th Int. Conf. on Thin Films (ICTF-6)
S. Berg, ICTF-6, Inst. of Technology,
Uppsala Univ., Box 534, S-75121 Uppsala
- 13-18 Aug.** Budapest, Hungary
8th European Congress on Electron Microscopy (EUREM 84)
Mr. A. Csanady, Congress Bureau, MOTESZ,
POB 32, H-1361 Budapest
- 13-18 Aug.** Madison, WI, USA
Int. Conf. on Luminescence (ICL 84)
W.M. Yen, Dept. of Physics,
1150 University Ave., Madison, WI 53706
- 15-22 Aug.** Karlsruhe, FRG
17th Int. Conf. on Low Temperature Physics
H. Hirsch, LT 17, Kernforschungszentrum,
Postfach 3640, D-7500 Karlsruhe
1000 / English / IUPAC
- 19-25 Aug.** Lyngby, Denmark
16th Int. Congress of Theor. and Applied Mechanics
N. Olhoff, ICTAM 1984, Bldg. 404, Technical Univ. of Denmark, DK-2800 Lyngby
Ab: 6.2.84 / IUTAM

21-24 Aug. Brussels, Belgium
Europhysics Conf. on Software Engineering: Methods and Tools in Computational Physics
P. van Binst, Univ. of Brussels, c.p. 230, bd. du Triomphe, B-1050 Brussels
300

27-31 Aug. Prague, CSSR
6th EPS General Conference: Trends in Physics
J. Kaczér, Physical Section, Union of Czechoslovak Mathematicians and Physicists,
Na Slovance 2, CS-18200 Prague-Liben
PP / 700 / English / SFr. 140.— IOM; 180.— mbrs. nat. soc.; 220.— others; 40.— students

27-31 Aug. Würzburg, FRG
5th Int. Conf. on Rapidly Quenched Metals
H. Warlimont, Grüner Weg 37, D-6450 Hanau 1

27 Aug. - 1 Sept. Tokyo, Japan
9th Int. Conf. on Raman Spectroscopy
M. Tasumi, 9th ICORS, Dept. of Chemistry, Faculty of Science, Univ. of Tokyo, Bunkyo-ku, Tokyo 113
IUPAC, IUPAP

28 Aug. - 7 Sept. Varenna, Italy
Int. Course and Workshop on Plasma Astrophysics
C. Paizis, E. Sindoni, Istituto di Fisica, Via Celoria 16, I-20133 Milano

3-6 Sept. St. Pölten, Austria
Electronic Structure and Properties of Rare Earth and Actinide Intermetallics
G. Hilscher, Inst. of Exp. Physics, Tech. Univ. of Vienna, Karlsplatz 13, A-1040 Vienna
A: 1.3.84 / Ab: 1.3.84 / PP: 1.5.84 / 200 / SFr. 200.— IOM; 250.— others (incl. proc.)

3-7 Sept. Darmstadt-Seeheim, FRG
7th Int. Conf. on Atomic Masses and Fundamental Constants (AMCO-7)
E. Roedel, Ges. für Schwerionenforschung (GSI), Postfach 11 05 41, D-6100 Darmstadt
A: 1.5.84 / Ab: 1.5.84 / PP: 3.9.84 / 150 / inv. / approx. DM 200.— incl. proc.

3-7 Sept. Budapest, Hungary
Charge Density Waves in Solids
L. Mihaly, POB 49, H-1525 Budapest
A: 1.5.84 / Ab: 1.3.84 / PP: 7.9.84 / 100 / English / US \$ 80.—

4-6 Sept. Leicester, UK
Radicals in Condensed Phases
Mrs. Y.A. Fish, The Royal Society of Chemistry, Burlington House, London W1V 0BN
A: Aug. 84 / Ab: 15.9.83 / PP: 15.5.84 / 200

10-14 Sept. Lille, France
European Solid State Device Research Conf.
E. Constant, Univ. des Sciences et Techniques de Lille, UER IEEA, bât. P3, F-59655 Villeneuve d'Ascq Cedex
PP / 600

10-14 Sept. Oak Ridge, TN, USA
5th Int. Symposium on Capture Gamma Ray Spectroscopy and Related Topics
S. Raman, Oak Ridge Nat. Lab., Physics Division, POB X, Oak Ridge, TN 37830

10-15 Sept. Zurich, Switzerland
22nd Ampère Congress
R. Kind, Lab. Solid State Physics, ETH Hönggerberg, CH-8093 Zurich

12-19 Sept. London, UK
10th Int. Conf. on Plasma Physics and Nuclear Fusion Research
R. Najar, Conf. Service, IAEA, POB 100, A-1400 Vienna

17-21 Sept. Manchester, UK
9th European Conf. on Thermophysical Properties
The Meetings Officer, The Institute of Physics, 47 Belgrave Square, London SW1X 8QX

23-28 Sept. Balatonfüred, Hungary
12th Int. Hot Atom Chemistry Symposium
L. Vasaros, Central Res. Inst. f. Physics, POB 49, H-1525 Budapest

24-28 Sept. Garmisch-Partenkirchen, FRG
SEAS Anniversary Meeting
C.J.M. Aarts, SEAS Headquarters, Toernooiveld, NL-6525 ED Nijmegen
A: 1.9.84 / Ab: 15.5.84 / PP: 1.9.84 / 300

25-28 Sept. Dresden, GDR
Int. Conf. on Energy Pulse Modification of Semiconductors and Related Materials
H.U. Jäger, Akad. d. Wissenschaften der DDR, Zentralinstitut f. Kernforschung Rossendorf, POB 19, DDR-8051 Dresden
A: 31.3.84 / Ab: 1.2.84 / PP: 31.10.84 / 200 / English / M 350.—

1-3 Oct. Utrecht, NL
Triennial European General Meeting on Solar Physics: Hydromagnetism of the Sun
P. Hoyng, Sterrewacht Sonnenborgh, Zonnenburg 2, NL-3512 NL Utrecht
PP / 150

9-12 Oct. Amsterdam, NL
ECOOSA '84
J. Langelaar, Foundation Quantoptica, Lab. Phys. Chem., Nieuwe Achtergracht 127, NL-1018 ES Amsterdam
P: 1.5.84 / 350 / Advance fee hFl. 250.— ; current 325.— ; students 50.—

18-20 Oct. Nashville, TN, USA
Meeting of Nuclear Physics Div. (APS)
American Physical Society,
335 E. 45th Str., New York, NY 10017

24-29 Oct. Takarazuka, Osaka, Japan
9th Int. Conf. on Infrared and Millimetre Waves
H. Yoshinaga, Dept. of Applied Physics, Osaka Univ., Yamada-Oka, Suita, Osaka 565

27 Oct. - 3 Nov. Boston, MA, USA
Meeting of Plasma Physics Div. (APS)
American Physical Society,
335 E. 45th Str., New York, NY 10017

29 Oct. - 2 Nov. San Diego, CA, USA
Annual Meeting of Optical Society of America
Optical Society of America, 1816 Jefferson Place, N.W., Washington, DC 20036

18-20 Nov. Providence, RI, USA
Meeting of Fluid Dynamics Div. (APS)
American Physical Society,
335 E. 45th Str., New York, NY 10017

12-13 Dec. Cambridge, UK
Molecular Electronic Structure Calculations: Methods and Applications
Mrs. Y.A. Fish, The Royal Society of Chemistry, Burlington House, London W1V 0BN
A: Nov. 84 / Ab: 31.8.84 / PP: 15.8.84 / 150

16-21 Dec. Jerusalem, Israel
Int. Conf. on Engineering Ceramics
Ms. Sh. Cahana, Nat. Council for Research and Development, Prince Minister's Office, Jerusalem 91000
PP

1985

— Budapest, Hungary
Int. Conference on Phonon Physics
N. Kroo, POB 49, H-1525 Budapest
400

15-19 April Amsterdam, NL
2nd European Conf. on Atomic and Molecular Physics
M.J. van der Wiel, FOM Inst. f. Atomic and Molecular Physics, Kruislaan 407, NL-1098 SJ Amsterdam
Ab: Jan. 85 / hFl. 200.—

September Turin, Italy
9th European Crystallographic Meeting
M. Catti, Istituto di Mineralogia e Cristallografia dell'Università, Via Massimo 22, I-10123 Torino

Schools 1983

Scholarships for sponsored schools at Erice are available on application to the EPS Secretariat.

19-28 Aug. San Miniato, Italy
* Int. School for Intermediate Energy Nuclear Physics

22 Aug. - 2 Sept. Aspenåsgården, Sweden
Europhysics Summer School: Chemisorption and Surface Reactions
B. Lundqvist, Chalmers University, S-41296 Göteborg
PP / 70 / sKr. 3365.— IOM; 3430.— mbrs 4b; 3500.— others (incl. board & lodging)

25 Aug. - 6 Sept. Poiana Brasov, Romania
* Brasov Int. Summer School: Theoretical Aspects of Critical Phenomena

2-10 Sept. Pisa, Italy
* 5^e Ecole d'Été Méditerranéenne sur les Etats de Surface et la Liaison Chimique: Physorption, Chemisorption and Adhesion

3-10 Sept. Davos, Switzerland
* 5th Int. Summer School on Crystal Growth and Materials Research

4-16 Sept. Cambridge, UK
Advanced Study Inst.: Physics and Chemistry of Electrons and Related Ions in Condensed Matter
J.V. Acrivos, Dept. of Chemistry, San José State Univ., San José, CA 95192 USA

4-16 Sept. Erice, Italy
Int. School of Quantum Electronics: Laser Applications to Biology and Medicine
S. Martellucci, c/o Mrs. M. Fiorini, ENEA, c.p. 65, I-00044 Frascati
A: 30.6.83 / 90 / US \$ 650.— all incl.

4-30 Sept. USSR
Inter-regional Training Course, Study Tour: Neutron Physics, Nuclear Data Measurements with Accelerators, Research Reactors
IAEA, POB 100, A-1400 Vienna
English, Russian

5-9 Sept. Marseille, France
15^e Ecole d'Été de Physique des Particules
E. Perret, IN2P3, 20 rue Berber du Mets, F-75013 Paris

5-16 Sept. Munich, FRG
* Quarks, Leptons and Beyond

5-17 Sept. Mikolajki, Poland
15th Int. Summer School in Nuclear Physics
K. Siwek-Wilczynska, Inst. of Experim. Physics, Warsaw Univ., 69 Hoza St., PL-00-681 Warsaw

6-16 Sept. Maria Laach, FRG
Elektroschwache Wechselwirkung: Grundlagen, neue Ergebnisse, Vorbereitungen für LEP Experimente
J.K. Bienlein, DESY, Notkestr. 85, D-2000 Hamburg 52 50 / inv. / German / DM 300.—

7-17 Sept. Varenna, Italy
* Course and Workshop: Mirror-Based and Field-Reversed Approaches to Magnetic Fusion

12-16 Sept. Bombannes, France
Ecole Joliot-Curie de Physique Nucléaire: Structure nucléaire aux frontières de la stabilité
E. Perret, IN2P3, 20 rue Berber du Mets, F-75013 Paris
French

12-16 Sept. St. Andrews, UK
* 2nd British Postgraduate School in Nuclear Physics

12-22 Sept. Bechyne Castle, CSSR
* 4th Int. School of Coherent Optics

12-30 Sept. Antwerp, Belgium
* Workshop IV on Nonlinear Stability

18-24 Sept. Hajduszoboszló, Hungary
* 2nd Int. Summer School on Processes of Thin Film Formation

18 Sept. - 2 Oct. Kupar - Dubrovnik, YU
* Int. School of Elementary Particle Physics

19 Sept. - 8 Oct. Trieste, Italy

Autumn College on Soil Physics
Int. Centre f. Theor. Phys., POB 586, I-34100 Trieste

24-30 Sept. Amman, Jordan

2nd Petra School of Physics
A. Salem Saleh, Dept. of Physics,
Yarmouk Univ., Irbid, Jordan

3-14 Oct. Bad Honnef, FRG

DPG - Schule für Physik
Teil I: Strukturelle Festkörperumwandlungen u. ihre
Anwendungen (3-7.10.)

Teil II: Aufbau u. Entwicklung der Sterne (10-14.10.)
J. Debrus, Physikzentrum Bad Honnef, Hauptstrasse 5,
D-5340 Bad Honnef

A: 1.7.83 / NP / 60 / German / DM 250. — (I);
220. — (II) all incl.

11-21 Oct. CERN, Geneva, CH

CERN Accelerator School Course: Antiprotons for
Colliding Beam Facilities
Mrs. F. Tétu, DG Office, CERN Accelerator School,
CH-1211 Geneva 23

A: 1.9.83 / PP / 120 / SFr. 100. — incl. proc.

17-21 Oct. Lisbon, Portugal

5th Autumn School of Physics: Field Theory and Ele-
mentary Particles

J.C. Romao, IFM,
Av. Gama Pinto 2, P-1699 Lisbon Codex
NP / 40 / English

17 Oct. - 11 Nov. Trieste, Italy

Nuclear Physics Workshop
Int. Centre f. Theor. Phys., POB 586, I-34100 Trieste

15-25 Nov. Erice, Italy

School of Radiation Damage and Protection (A.
Rindi): Biological Effects and Dosimetry of Non-
ionizing Radiation — Static and ELF Electromagne-
tic Fields

M. Grandolfo, Ist. Superiore Sanità,
Viale Regina Elena 299, I-00161 Roma

20 Feb. - 1 March Schladming, Austria

23. Int. Universitätswochen f. Kernphysik
Org. Comm., Inst. f. Theor. Physik, Universitätplatz 5,
A-8010 Graz
A: 6.2.84 / PP / 150 / English

7-19 April Erice, Italy

Int. School of Crystallography: Direct Methods for
Solving Crystal Structures

T.L. Blundell, Dept. of Crystallography,
Birkbeck College, Univ. of London,
Malet Str., London WC1E 7HX, UK

A: 31.10.83 / 65 / SFr. 1250. — approx. all incl.

8-20 April Erice, Italy

Int. School of Nuclear Physics: Nuclear and Sub-
nuclear Degrees of Freedom and Lepton Nu-
cleus Scattering

A. Faessler, Universität Tübingen, Inst. f.
Theor. Physik, Auf der Morgenstelle 14,
D-7400 Tübingen

A: 1.3.84 / 120 / US \$ 600. — all incl.

26 April - 22 June Trieste, Italy

Spring College on Crystalline Semiconducting Materials
and Devices

Int. Centre f. Theor. Phys., POB 586, I-34100 Trieste

11-24 June Lofthus/Hardanger, N

1984 CERN School of Physics
D.A. Caton, Scientific Conference Secretariat,
CERN, CH-1211 Geneva 23, Switzerland
A: 23.3.84 / 80

1-15 July Erice, Italy

Int. School of Material Science and Technology: Sur-
face Dynamical Phenomena

B. Feuerbacher, Inst. f. Raumsimulation,
DF Linder Höhe, Postfach 906058, D-5000 Köln 90

September Spain

1984 CERN School of Computing
Mrs. I. Barnett, Scientific Conference Secretariat CERN,
CH-1211 Geneva 23, Switzerland

21-30 Sept. Varna, Bulgaria

3rd Int. School on Condensed Matter Physics: Non-
linear Phenomena in Solids — Modern Topics
A.F. Vavrek, Inst. of Solid State Physics, Lenin bul. 72,
BG-1184 Sofia

A: 31.5.84 / Ab: 31.5.84 / PP / 100 / Engl., Russian /
US \$ 60. —

European Journal of Physics

In the report on the EPS Council meeting published in the April issue of *Europhysics News*, a brief mention was made of the growing circulation of the *European Journal of Physics* which had resulted in the journal becoming self supporting. Experience with the first three volumes that have now appeared has brought to light two unexpected aspects.

In the first place, it seems that in Europe there is a certain reluctance on the part of lecturers in the higher educational establishments to share their teaching experience with others, and to put down on paper the techniques and methods they have devised and which have proved successful in practice. In part this is, of course, due to the heavy work load that most are carrying which results in their concentrating either on their teaching as such, or on their research and the publication of the results of that research. In part, however, it would seem that an excess modesty prevails and many do not appreciate that what they are doing would be of real interest to their colleagues.

The message from the Editorial Board is therefore not to be bashful. They are keen to receive contributions covering all aspects of the teaching of physics at undergraduate level — even to learn of schemes which have met unexpected pitfalls. They would also like to receive more contributions of a reflective nature which discuss the philosophical aspects of physics.

This raises the second point which is that the purpose of the journal is not everywhere fully understood. The *European Journal of Physics* is designed to be the European communication medium of all concerned with the intellectual advancement of physics — the "common room" of those engaged in developing the next generation of physicists.

Contributions should be sent to:

The Managing Editor,
European Journal of Physics
Techno House, Redcliffe Way,
Bristol BS1 6NX, England

1984

16 Jan. - 3 Feb. Trieste, Italy

Workshop on Nuclear Model Computer Codes
Int. Centre f. Theor. Phys., POB 586, I-34100 Trieste

7 Feb. - 30 March Trieste, Italy

Winter College on Fundamental Nuclear Physics
Int. Centre f. Theor. Phys., POB 586, I-34100 Trieste
A: 31.8.83

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