

europ physics news



BULLETIN OF THE EUROPEAN PHYSICAL SOCIETY

J.A. Volume 14

Number 3

Meetings Issue

March 1983

EPS Organized Conferences in 1983

CONFERENCES	ECA Volume *)	EPS Divisions
<p>9-11 March Int. Conference on Surface Studies with Lasers Salzburg (A) Prof. F.R. Aussenegg, Inst. für Experimentalphysik der Karl-Franzens-Universität Graz, Universitätsplatz 5, A - 8010 Graz</p>	7 A	Quantum Electronics
<p>28-30 March 3rd EPS General Condensed Matter Physics Conf. Lausanne (CH) Prof. E. Mooser, Institut de Physique Appliquée, Ecole Polytechnique Fédérale PHB - Ecublens, CH - 1015 Lausanne</p>	7 B	Condensed Matter
<p>5-8 July 15th EGAS Conference Madrid (E) Prof. Dr. E. Bernabeu, Sociedad Española de Optica, Serrano, 121, E - Madrid - 6</p>	7 C	Atomic & Molecular Physics Section: Atomic Spectroscopy (EGAS)
<p>20-27 July Int. Europhysics Conference on High Energy Physics Brighton (UK) Dr. J.J. Thresher, Rutherford Appleton Lab, Chilton, Didcot, UK - Oxfordshire OX11 0QX</p>	no abstracts booklet	High Energy & Particle Physics
<p>22 August - 2 September Europhysics School on: Chemisorption and Surface Reactions Aspenäsgrunden, Lerum (S) Prof. Bengt I. Lundqvist Institute of Theoretical Physics, Chalmers University of Technology, S - 412 96 Göteborg</p>	no abstracts booklet	Condensed Matter Section: Surfaces and Interfaces
<p>5-9 September 11th European Conference on Controlled Fusion and Plasma Physics Aachen (D) Mrs. Helga Bongartz, c/o KFA Jülich GmbH, Tagungsbüro, Postfach 1913, D - 5170 Jülich 1</p>	7 D	Plasma Physics
<p>6-9 September Soft Magnetic Materials 6 (SMM 6) Eger (H) Prof. K. Tompa Central Research Institute for Physics POB 49, H - 1525 Budapest</p>	7 E	Condensed Matter Section: Magnetism
<p>13-16 September 13th European Solid State Device Research Conference (ESSDERC) Canterbury (UK) Mr. C. Jones, Meetings Officer, The Institute of Physics, 47, Belgrave Square, UK - London SW1X 8QX</p>	7 F	Condensed Matter
<p>20-23 September 15th Europhysics Conf. on Macromolecular Physics and Hamburg Macromolecular Symposium 1983 on "New Developments in the Characterization of Polymers in the Solid State" Hamburg (D) Prof. Dr. H.G. Zachmann, Abt. Angew. Chemie Universität Hamburg, Martin-Luther-King-Platz 6, D - 2000 Hamburg 13</p>	7 G	Condensed Matter Section: Macromolecular Physics
<p>20-23 September Computing in Accelerator Design and Operation Berlin-West (D) Dr. W. Busse, Hahn-Meitner-Institut, Postfach 390128 D - 1000 Berlin 39</p>	7 H	Computational Physics Group

*) Europhysics Conference Abstracts, may be obtained on subscription
Price for Series 7 (A - H) Sw.Frs. 290.—
for previous subscribers Sw.Frs. 250.—

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 February 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 $\text{\textcircled{a}}$ preceding the date.

For inclusion in the June 1983 issue, organizers should send available details to the EPS Secretariat by 16 May.

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

6-8 May Antwerp, Belgium
9th Benelux Congress on History of Sciences: Antwerp and the Netherlands in 16th Century
D. Callebaut, Physics Dept., U.I.A., B-2610 Antwerp

$\text{\textcircled{a}}$ **9-11 May** Bad Honnef, FRG
Europhysics Study Conf.: Clusters of Atoms
H. Micklitz, Inst. f. Experimentalphysik,
Ruhr Universität Bochum, Postfach 102148,
D-4630 Bochum

60

16-22 May Balatongyörök, Hungary
Danube Seminar on Physics Education
G. Marx, Dept. of Atomic Physics, Eötvös University,
Puskin u. 5, H-1088 Budapest
A: 15.3.83 / Ab: 15.4.83 / PP: 21.5.83 / 100 / inv. / US \$ 100.— all incl.

17-19 May Copenhagen, Denmark
European High Pressure Research Group: Chemistry and Biology under Pressure
B. Andersen, Phys. Chem. Inst., Univ. of Copenhagen,
Chem. Lab IV, Universitetsparken 5,
Copenhagen Ø
NP / 150 / English

17-20 May Baltimore, MD, USA
3rd Conf. on Lasers and Electro-Optics (CLEO 83)
Optical Society of America, 1816 Jefferson Place,
N.W., Washington, DC 20036
Ab: 22.11.82 / US \$ 140.— before 29.4.83

17-20 May Montpellier, France
7th Int. Conf. on Noise in Physical Systems
3rd Int. Conf. on LF Noise
M. Savelli, USTL - CEES, place Eugène Bataillon,
F-34060 Montpellier
Ab: 15.1.83 / PP: 15.1.83 / 200 / Engl., French / FF 800.— incl. proc.

22-28 May Dubrovnik, Yugoslavia
The Phenomenology of Modern Unified Field Theories from Standard Model to Supersymmetries
S. Pallua, Theor. Phys. Dept., Univ. of Zagreb,
Marulicev trg 19/I, POB 162, YU-4100 Zagreb
A: 18.2.83 / Ab: 22.4.83 / P: 22.4.83 / 100 / US \$ 40.— IOM; 50.— others; 20.— students

23-27 May Arizona, USA
6th Int. Conf. on Ion Beam Analysis
W.A. Lanford, Physics Dept., 1 SUNY/Albany,
Albany, NY 12222
IUPAP

29 May - 3 June Eger, Hungary
4th "Lund" Int. Conf. on Deep - Level Impurities in Semiconductors
G. Ferenczi, Research Inst. for Technical Physics of the HAS, POB 76, H-1325 Budapest
Ab: 1.3.83 / NP / 120 / inv. / US \$ 400.— all incl.

30 May - 2 June Santa Margherita Ligure, I
Conf. on Computation of Electromagnetic Fields
G. Molinari, COMPUMAG, Electr. Engng. Dept.,
University of Genoa,
Viale Causa 13, I-16145 Genoa
A: April 83 / Ab: 10.10.82 / PP: 31.5.83 / 200 / £ 125.— incl. proc.

30 May - 3 June Groningen, NL
The Milky Way as a Galaxy
H. van Woerden, Kapteyn Laboratory,
POB 800, NL-9700 AV Groningen
150 / inv. / IAU

30 May - 4 June Rydzyzna, Poland
European Optical Conf. (EOC-83): Optics in Science and Practice
EOC-83 Org. Comm., Central Optical Lab.,
ul. Kamionkowska 18, PL-03-805 Warsaw
Ab: 31.1.83 / PP / 250 / Engl. / US \$ 120.— incl. proc.

31 May - 2 June Enschede, NL
Dynamics Days — Twente
R.H.G. Helleman, Theor. Physics Group, Twente Univ. of Technology, POB 217, NL-7500 AE Enschede
A: 24.5.83 / Ab: 2.5.83 / NP / 150 / Engl. / US \$ 10.—

31 May - 3 June Delft, NL
2nd Int. Conf. on Solid State Transducers
K. Beekhuizen, Electr. Engng. Dept., Delft Univ. of Technology, POB 5031, NL-2600 GA Delft
Ab: 1.2.83 / PP: 31.5.83 / 600 / hFl. 295.— incl. proc.; 85.— students

1-3 June Montreal, Quebec, Canada
18th Thermophysics Conference
Meetings Dept., American Inst. of Aeronautics and Astronautics, 1290 Avenue of the Americas,
New York, NY 10104

2-3 June Ghent, Belgium
Assemblée Scientifique Générale 1983 de la Société Belge de Physique
P. Fettweis, Boeretang 200, B-2400 Mol

3-7 June Castiglione della Pescaia, I
Frontier Detectors for Frontier Physics
A. Scribano, INFN, Lab. di S. Piero a Grado,
I-56010 Pisa
A: 30.4.82 / PP: 15.5.83 / 100 / inv. / SFr. 400.— all incl.

4-12 June Cologne, FRG
Congress of the International Union of Pure and Applied Chemistry
Gesellschaft Deutscher Chemiker, Postfach 900440,
D-6000 Frankfurt/Main 90

5-11 June Balatonfüred, L. Balaton, H
High Energy Heavy Ion and Hadron-Nucleus Collisions — 6th Int. Balaton Meeting on Nuclear Physics
J. Nemeth, Dept. of Theor. Phys., Eötvös Univ., Puskin u. 5-7, H-1088 Budapest
A: 15.3.83 / Ab: 15.3.83 / PP: 6.6.83 / 120 / inv.

5-15 June Dubrovnik, Yugoslavia
4th Adriatic Meeting on Particle Physics: Frontiers in Particle Physics 1983
Dj. Sijacki, Inst. of Phys., POB 57, YU-11000 Belgrade
A: 15.5.83 / 80 / Engl. / US \$ 50.— IOM, students; 70.— others

6-9 June Oslo, Norway
Annual Meeting of Norwegian Physical Society
B. Nøst, Dept. of Physics, Univ. of Oslo, Blindern, N-0slo 3
A: 20.4.83 / Ab: 20.4.83 / NP / 200 / Engl., Norwegian / nKr. 200.—

7-10 June Paris, France
Int. Conf. on Ellipsometry and other Optical Methods for Surface and Thin Film Analysis
F. Abelès, Laboratoire d'Optique des Solides, Université P. et M. Curie, 4, pl. Jussieu, F-75230 Paris Cedex 05
A: 1.5.83 / PP: 1.2.83 / 300 / Engl., Fr. / IUPAP / bef. 1.5. FF 1250.—; 1400.— after, incl. proc.

9-11 June Amsterdam, The Netherlands
Workshop on Experimentation at HERA
W. Hoogland, NIKHEF, 18 Oster Ringdijk,
Postbus 4395, NL-1009 AJ Amsterdam

13-14 June Galway, Ireland
Int. Short Course on Finite Element Programming
NASECODE III Sec., Boole Press Ltd., POB 5,
51 Sandycove Road, Dun Laoghaire, Co. Dublin

13-15 June Rochester, NY, USA
5th Rochester Conf. on Coherence and Quantum Optics Sec., Dept. of Physics and Astronomy,
Univ. of Rochester, Rochester NY 14927

13-16 June Bad Honnef, FRG
Quarks and Nuclear Structure
K. Bleuler, Inst. f. Theor. Kernphysik,
Nussallee 14-16, D-5300 Bonn
PP / 60 / inv.

13-16 June Middletown, CT, USA
Nearby Stars and the Stellar Luminosity Function (IAU)
A.R. Uppgren, Van Vleck Observatory, Wesleyan Univ., Middletown, CT 06457

13-17 June Liblice, Czechoslovakia
Structure and Properties of Crystal Defects
V. Paidar, Inst. of Physics, Czechosl. Acad. Sci., Na Slovance 2, CS-18040 Praha 8
A: 30.4.83 / Ab: 31.1.83 / PP: 30.4.83 / 60 / US \$ 120.— approx.

13-17 June Freiburg, FRG
9th Int. Symposium on Molecular Beams
H. Haberland, Fakultät f. Physik, Univ. Freiburg,
Hermann-Herderstr. 3, D-7800 Freiburg
A: 15.2.83 / Ab: 15.12.82 / PP: 1.3.83 / 150 / DM 200.— incl. proc., 100.— students

13 June - 26 Aug. New Hampshire, USA
Gordon Research Conf.: Frontiers of Science
13-17.6: Physical Organic Chemistry (Chair.: T. Fukunaga)
Space Plasma Physics (S.D. Shawhan)
20-24.6: Nuclear Chemistry (D. Ward)
Plasma Physics (J.F. Drake)
Physical Metallurgy (N. Paton)
Magnetic Resonance (R.L. Vold)

27.6-1.7: Liquid Crystals (R.B. Meyer)
 4-8.7: Atomic Physics (H.P. Kelly)
 Fuel Science (L.M. Stock)
 Chem. & Phys. of Solids (J.M. Cowley)
 11-15.7: Fiber Science (M.T. Watson)
 Electron Distribution and Chemical Bonding (G.A. Jeffrey)
 Point & Line Defects in Semiconductors (P.M. Petroff)
 18-22.7: Metal Hydrides (G.G. Libowitz)
 Laser Diagnostics in Combustion (D.R. Crosley)
 25-29.7: Chemistry at Interfaces (L. Benjamin)
 1-5.8: Nonlinear Optics & Lasers (A. Mooradian)
 Dynamics of Gas-Surface Interactions (J. Yates)
 8-12.8: Glass (C.T. Moynihan)
 Elementary Particle Interactions (P. Grannis)
 Phys. & Chem. of Coatings and Films (P.E. Pierce)
 15-19.8: Nuclear Structure Physics (S.M. Austin)
 Energy Coupling Mechanisms (P.L. Pedersen)
 Chem. & Phys. of Liquids (G. Stell)
 Quantum Solids & Fluids (R.E. Prange)
 Direct Action of Ionizing Radiation on Macromolecules
 (E.S. Kempner)
 22-26.8: Adhesion (R.A. Draughn)
 Nondestructive Evaluation (H. Th. Yoiken)
 Inorganic Geochemistry (A. Lasaga)
 A.M. Cruickshank, Director, Gordon Research
 Conferences, Pastore Chemical Laboratory,
 University of Rhode Island, Kingston, RI 02881
 100-125 / inv. / US \$ 230. —

15-17 June Galway, Ireland
 3rd Int. Conf. on the Numerical Analysis of Semi-
 conductor Devices and Integrated Circuits
 NASECODE III Conf., 39 Trinity College, Dublin 2
 Ab: 18.2.83 / PP: 18.2.83 / US \$ 295. —

15-18 June Rochester, NY, USA
 Topical Meeting on Optical Bistability
 Optical Society of America, Optical Bistability,
 1816 Jefferson Place, N.W., Washington, DC 20036
 Ab: 1.3.83 / US \$ 130. —; 50. — students

17-21 June Helsinki, Finland
 4th Int. Symposium on Physics of Quark-Gluon Plasmas
 T. Toimela, Research Inst. f. Theoretical Physics,
 Siltavuorenpenger 20 C, SF-00170 Helsinki 17
 100 / inv.

20-22 June Uppsala, Sweden
 Asteroids, Comets, Meteors: Exploration and Theoretical
 Modelling
 H. Rickman, Astronomiska Observatoriet, Uppsala Uni-
 versitet, Box 515, S-751 20 Uppsala
 A: 20.6.83 / Ab: 1.2.83 / PP: 1.8.83 / 90 / sKr. 250. —

20-23 June Bad Honnef, FRG
 7th Johns Hopkins Workshop: Current Problems in
 High Energy Particle Theory
 V. Rittenberg, Physikalisches Inst. d. Universität,
 Nussallee 12, D-5300 Bonn
 PP / 65 / inv.

③ **20-24 June** Catania, Italy
**Europhysics Study Conf. on Oscillations as a Probe
 of the Sun's Interior**
 L. Paternò, Osservatorio Astrofisico,
 Città Universitaria, I-95125 Catania
 50 / incl. acc. US \$ 320. — IOM; 340. — others;
 280. — students

20-25 June Como, Italy
 Conference on Quantum Chaos
 G. Casati, Ist. di Fisica, Via Celoria 16, I-20133 Milan
 A: 15.5.83 / 100 / US \$ 50. —

20-25 June Aussois, France
 Int. Colloquium: Optogalvanic Spectroscopy and its
 Applications
 P. Camus, Laboratoire Aimé-Cotton, CNRS II, Bât. 505,
 Université Paris-Sud, F-91405 Orsay Cedex
 Ab: 15.1.83 / 70 / inv. / Engl., French / FF 500. —

21-23 June Stuttgart, FRG
 2nd Int. Conf. on Science and Technology of Zirconia
 N. Claussen, Max-Planck-Institut f. Metallforschung,
 Heisenbergstr. 5, D-7000 Stuttgart 80

21-24 June Cointe-Ougrée, Belgium
 24th Liège Symp.: Quasars and Gravitational Lenses
 J.P. Swings, Institut d'Astrophysique,
 ave. de Cointe 5, B-4200 Cointe-Ougrée

22-27 June Davis, CA, USA
 14th Int. Symposium on Multiparticle Dynamics
 Conf. Sec., Dept. of Physics, Univ. of California,
 Davis, CA 95616

23-24 June St. Paul, MN, USA
 Joint Topical Meeting: Information Processing in Astro-
 nomy and Optics
 Optical Society of America, 1816 Jefferson Place, N.W.,
 Washington, DC 20036
 Ab: 1.3.83 / US \$ 70. —

27-30 June Tokyo, Japan
 4th Int. Conf. on Integrated Optics and Optical Fibre
 Communication (IOOC '83)
 Secr. IOOC '83, N. Kuroyanagi, Res. Div., Musashino
 Electr. Comm. Lab., Nippon Telephone and Tele-
 graph Public Corp., Musashino-shi, Tokyo 180

27 June - 1 July Bologna, Italy
 VLBI and Compact Radio Sources
 R. Fanti, Istituto di Radioastronomia,
 Via Imerio 46, I-40126 Bologna
 A: 15.4.83 / PP / 150 / IAU, URSI / US \$ 55. —

③ **27 June - 1 July** Caisis Beach, Crete, GR
**Frontiers of Gamma- and X-Ray Spectro-
 scopy: Nucl. Phys. Div. Study Conf.**
 G. Vourvopoulos, Nuclear Research Centre
 "Demokritos", Aghia Paraskevi,
 Attiki, Athens
 NP / 120 / inv. / US \$ 310. — all incl.

27 June - 1 July Interlaken, Switzerland
 6th Int. Conf. on Laser Spectroscopy (SICOLS 83)
 H.P. Weber, Inst. f. Angewandte Physik, Universität
 Bern, Sidlerstr. 5, CH-3012 Bern
 A: 15.2.83 / Ab: 4.1.83 / PP: 4.1.83 / IUPAP /
 SFr. 220. — incl. proc., 55. — students, no proc.

27 June - 1 July S. Feliu de Guiscols, Spain
 14th GIFT Int. Seminar: Relativistic Astrophysics and
 Cosmology
 M. Pascual, Dept. of Theor. Physics, Facultad de Ciencias,
 Universidad Autonoma, Bellaterra (Barcelona)
 A: 30.4.83 / PP / 80 / Engl. / US \$ 125. — incl. board
 & lodging

28-30 June Bangor, UK
 3rd Int. Conf. on Magnetic Fluids
 J. Popplewell, School of Physical and Molecular Sciences,
 Univ. Coll. of North Wales, Bangor,
 Gwynedd LL 57 2 UW

28 June - 1 July Dundee, UK
 Dundee Biennial Conf. on Numerical Analysis
 D.F. Griffiths, Dept. of Math. Sciences,
 Univ. of Dundee, Dundee DD1 4HN
 Ab: 31.5.83

28 June - 1 July Berkeley, CA, USA
 6th High Energy Heavy Ion Study
 2nd Workshop on Anomalons
 H.G. Pugh, Mail Stop 70 A / 3307, Lawrence Berkeley
 Lab., Cyclotron Road, Berkeley, CA 94720

29 June - 1 July Bangor, UK
 10th Annual Plasma Physics Conference
 The Meetings Officer, Institute of Physics,
 47 Belgrave Square, London SW1X 8QX

29 June - 2 July Torun, Poland
 3rd Int. Symposium on Magnetic Resonance in Colloid
 and Interface Science
 A. Gutsze, Nicholas Copernicus University, Inst. of
 Physics, ul. Grudziadzka 5, PL-87-100 Torun

4-7 July Paris, France
 IUTAM - IUPAP Symp.: Electromagn. Solid Continua
 G.A. Maugin, Université Paris VI, Tour 66,
 4, place Jussieu, F-75230 Paris Cedex 5
 A: 15.5.83 / Ab: 1.2.83 / PP: 4.7.83 / 80 / inv. / Engl.,
 French / US \$ 50. — or FF 350. —

4-8 July Grenoble, France
 4th Int. Conf. on Solid State Ionics
 M. Kleitz, SSI 83, ENS d'Electrochimie,
 B.P. 44, F - 38401 Saint Martin d'Hères
 Ab: 15.12.82 / PP: 30.4.82 / Engl., Fr. / IUPAP /
 before 31.3.83 FF 850. — incl. proc., 550. — students

4-8 July Groningen, NL
6th Int. Conf. on Hyperfine Interactions
 H. de Waard, Lab. voor Algemene Natuurkunde,
 Westersingel 34, NL-9718 CM Groningen
 A: March 83 / PP: 1.5.83 / IUPAP /
 approx. hFl. 250. —

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 nars on advanced optical/elec-
 tro-optical technology.**

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4-9 July ← **Padova, Italy**
10th Int. Conf.: General Relativity and Gravitation
GR-10 Secretariat, Istituto di Fisica "G. Galilei",
Via Marzolo 8, I-35100 Padova
PP: 15.4.83 / 1000 / English / IUPAP / US \$ 150. —

5-7 July **Villeurbanne, France**
4th European Conf. on Internal Friction and Ultra-
sonic Attenuation in Solids (ECIFUAS-4)
G. Fantozzi, INSA, Groupe d'Etudes de Métallur-
gie Physique et de Physique des Matériaux,
Bât. 502, F-69621 Villeurbanne Cedex
A: 15.4.83 / Ab: 30.11.82 / PP: 15.4.83 / 100 / Engl.,
French / FF 1000. — incl. proc., 500. — stu-
dents, no proc.

5-8 July **Nancy, France**
IUTAM Symposium: Measuring Techniques in Gas-
Liquid Two-Phase Flows
Ab: 15.12.82 / PP: 5.7.83 / 80 / inv.

5-8 July **Madrid, Spain**
15th EGAS Conference
E. Bernabeu, Sociedad Espanola de Optica,
Serrano 121, Madrid 6
A: 1.5.83 / Ab: 15.5.83 / PP: 15.5.83 / 300 /
US \$ 40. — incl. proc.

5-9 July **Ithaca, NY, USA**
Natural Satellites (IAU)
J.A. Burns, Cornell University, Ithaca, NY 14853

11-14 July **Kingston, Ont., Canada**
7th Int. Symposium on Nuclear Quadrupole Resonance
R.J.C. Brown, Chemistry Dept., Queen's University,
Kingston, Ont., Canada K7L 3N6

11-15 July **Trieste, Italy**
Physics of Latent Image Formation in Silver Halides
Int. Centre f. Theor. Phys., POB 586, I-34100 Trieste

13-15 July **Delft, The Netherlands**
Joint IUTAM/ICA Symposium on Mechanics of Hearing
M. Viergever, Dept. of Mathematics and Informatics,
Delft University of Technology, POB 356,
NL-2600 AJ Delft

13-15 July **Danvers, MA, USA**
16th Fluid and Plasma Dynamics Conference
American Institute of Aeronautics and Astronautics,
1290 Ave. of the Americas, New York, NY 10104

18-21 July **Santa Fe, NM, USA**
Topical Conf. on Shock Waves in Condensed Media
(APS)
J.R. Asay, Div. 5534, Sandia Nat. Laboratories,
Albuquerque, NM 87185

18-22 July **Bad Iburg, FRG**
11th Int. Conf. on Atomic Collisions in Solids
H.E. Roosendaal, Fakultät f. Physik,
Universität Bielefeld, D-4800 Bielefeld 1
Ab: 31.3.83

19-21 July **Didcot, UK**
Int. Workshop on Atmospheric Spectroscopy
R.W. Saunders, Rutherford Appleton Lab.,
Chilton, Didcot, Oxon OX11 0QX

19-23 July **Egham, UK**
Positron Collisions
M.R.C. McDowell, Dept. of Mathematics,
Royal Holloway College,
Egham Hill, Egham, Surrey TW20 0EX
A: 1.3.83 / Ab: 15.6.83 / PP: 1.6.83 / 62 / inv.

19-27 July **Paris, France**
11th International Congress on Acoustics
R. Lehmann, Groupe des Acousticiens de Langue Fran-
çaise (GALF), B.P. 40, F-22301 Lannion-Cedex
IUPAP

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 Scat-
tering Processes
F.A. Gianturco, Phys. Chemistry, Univ. of Rome,
Nuovo Edificio Chimico, Città Universitaria,
I-00185 Rome

24-25 July **Bielefeld, FRG**
Collisions in Strong Fields
F.H. Faisal, Fakultät f. Physik, Universität Bielefeld,
Postfach 8640, D-4800 Bielefeld 1

24-26 July **Münster, FRG**
Polarization and Correlation in Electron-Atom Collisions
J. Keller, Physikalisches Institut, Universität Münster,
Domagkstr. 75, D-4400 Münster

24-29 July **Albany, NY, USA**
9th AIRAPT International High-Pressure Conference
C.G. Homan, Physics Dept., State University
of New York, Albany, NY 12222
Ab: 30.1.83 / PP / US \$ 125. — incl. proc.

25-26 July **Berlin-West**
Int. Workshop on Atomic and Molecular Photoion-
ization (Use of Synchrotron Radiation)
U. Heinzmann, Fritz-Haber Inst. d. Max-Planck-Ges.,
Faradayweg 4, D-1000 Berlin 33

25-29 July **Trieste, Italy**
Computer Simulation of Quantum Systems
Int. Centre f. Theor. Phys., POB 586, I-34100 Trieste

25-29 July **Edinburgh, UK**
Statistical Mechanics (STAT - PHYS 15)
R.A. Cowley, Dept. of Physics, Univ. of Edinburgh,
King's Building, Mayfield Rd., Edinburgh EH9 3JZ
IUPAP

27 July - 2 Aug. ← **Berlin-West**
13th Int. Conf. on Physics of Electronic and Atomic
Collisions (ICPEAC)
I.V. Hertel, Inst. f. Molekülphysik,
Freie Universität Berlin, D-1000 Berlin 33
A: 1.5.83 / Ab: 4.3.83 / 800 approx. / IUPAP /
DM 350. — incl. proc.

31 July - 4 Aug. **New York, NY, USA**
25th Annual Meeting
American Assoc. of Physicists in Medicine,
III E. Wacker Drive, Chicago, IL 60601

July/August **Durham, UK**
Electronography: Astronomical Results and Future
Prospects (IAU)
S.M. Scarrott, Physics Dept., Univ. of Durham,
Durham City

1-4 Aug. **Aspen, CO, USA**
2nd Topical Meeting on Coherent Laser Radar: Techno-
logy and Applications
Optical Society of America, 1816 Jefferson Place, N.W.,
Washington, DC 20036
Ab: 15.4.83 / US \$ 140. —

1-5 Aug. **St. Andrews, UK**
75th Jubilee Conference on Helium-4
J. Armitage, Dept. of Physics, Univ. of St. Andrews,
North Haugh, St. Andrews KY16 9SS

2-10 Aug. **Boulder, CO, USA**
7th Int. Conf. on Mathematical Physics
W. Wyss, Physics Dept., Univ. of Colorado,
Boulder, CO 80309
IUPAP

4-5 Aug. **Kaiserslautern, FRG**
3rd Symposium on Dynamics of Molecular Collisions
K. Bergmann, Fachbereich Physik, Univ. Kaiserslautern,
Postfach 3049, D-6750 Kaiserslautern

4-5 Aug. **nr. Utrecht, NL**
Int. Seminar on Ion-Atom Collisions (ISIA)
R. Morgenstern, Physics Lab., Univ. of Utrecht,
Princetonplein 5, Postbus 80000,
NL-3508 TA Utrecht

4-5 Aug. **Innsbruck, Austria**
International Swarm Seminar
W. Lindinger, Inst. f. Experimentalphysik,
Leopold Franzens Universität,
Karl-Schönherr-Str. 3, A-6020 Innsbruck

4-5 Aug. **Linz, Austria**
3rd Workshop on Inner - Shell Ionization by Light Ions
H. Paul, Inst. f. Experimentalphysik, Johannes-Kepler-
Universität, A-4040 Linz-Auhof
PP / 30 / AS 300. —

4-9 Aug. **Ithaca, NY, USA**
Lepton Photon Interaction at High Energies
B.J. Skeps, Dept. of Physics, Cornell University,
Ithaca, NY 14853
inv. / IUPAP

8-11 Aug. **College Park, MD, USA**
Unstable Current Systems and Plasma Instabilities in
Astrophysics (IAU)
M. Kundu, Director of Astronomy Program, Univ. of
Maryland, College Park, MD 20742
A: 31.1.83 / PP / 150 / inv. / IAU, COSPAR, SCOSTEP /
US \$ 100. — approx.

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
L. Dupont, Univ. de Liège, Inst. de Physique B5,
Crystallographie, B-4000 Liège
A: 31.5.83 / Ab: 31.3.83 / NP: 31.3.83 / English /
bFr. 6000. —; 4000. — students;
after 1.6.83: 7500. — & 5000. —

11-16 Aug. **Batavia, IL, USA**
12th Int. Conf. on High Energy Accelerators
F.R. Huson, Fermilab, POB 500, Batavia, IL 60510
IUPAP

18-26 Aug. **Lyngby/Copenhagen, DK**
IUPAC General Assembly
IUPAC Secretariat, 2-3 Pound Way, Cowley Centre,
Oxford OX4 3 YF

21-27 Aug. **Karlsruhe, FRG**
10th Int. Conf. on Few-Body Problems in Physics
B. Zeitnitz, Kernforschungszentrum Karlsruhe,
Inst. f. Kern- und Teilchenphysik,
Postfach 3640, D-7500 Karlsruhe
PP / 350 / IUPAP

22-26 Aug. **Stuttgart, FRG**
4th Int. Conf. on Phonon Scattering in Condensed
Matter
W. Eisenmenger, Physikal. Inst. der Universität,
Teil Inst. 1, Pfaffenwaldring 57, D-7000 Stuttgart 80
IUPAP

22-26 Aug. **Tokyo, Japan**
10th Int. Conf. on Amorphous and Liquid Semicon-
ductors
K. Morigaki, Inst. for Solid State Physics, Univ. of
Tokyo, 7-22-1 Roppongi, Minato-ku, Tokyo 105
IUPAP

22 Aug. - 3 Sept. **Bangalore, India**
18th Int. Cosmic Ray Conference
Tata Institute of Fundamental Research,
Homi Bhabha Road, Bombay 400005
A: 30.11.82 prelim. / Ab: 31.1.83 / PP: 14.4.83 /
IUPAP / US \$ 125. — incl. proc.

24-26 Aug. **Copenhagen, Denmark**
Joint Nordic-German Symposium: Thermal Analysis
and Calorimetry
P.J. Møller, Phys. Chem. Inst., Univ. of Copenhagen,
Chem. Lab. IV, Universitetsparken 5,
DK-2100 Copenhagen
Ab: 1.6.83 / P: 26.8.83 / 100 / dKr. 600. —

29-30 Aug. **Como, Italy**
Workshop on Search for Heavy Flavours
G. Bellini, Ist. di Fisica dell'Università,
Via Celoria 16, I-20133 Milano
A: 15.5.83 / inv. / US \$ 65. — incl. proc.; US \$ 10. —
reduction if attending Phys. in Collisions III

29-31 Aug. **Athens, Greece**
MECO 83: Measurement and Control
6th IASTED Int. Symposium
S.G. Tsafestas, Electr. Eng. Dept., Univ. of Patras,
Patras, Greece
Ab: 30.4.83 / PP: 15.8.83

29 Aug. - 1 Sept. **Vienna, Austria**
Electronic Structure and Properties of Rare Earth and
Actinide Intermetallics
G. Hilscher, Inst. of Experimental Physics, Technical
University, Karlsplatz 13, A-1040 Vienna

29 Aug. - 2 Sept. **Liège, Belgium**
Computer Coupling of Phase Diagrams and Thermo-
chemistry (CALPHAD XII)
J.P. Gaspard, Institut de Physique B5, Université de
Liège, B-4000 Sart Tilman
A: 30.4.83 / Ab: 15.6.83 / NP / 80 / inv. / bFr. 2000. —

29 Aug. - 3 Sept. Florence, Italy
Int. Conf. on Nuclear Physics
P. Blasi, Laboratori Nazionali dell'INFN,
Via Romea 4, I-35020 Legnaro
A: 31.3.83 / Ab: 31.3.83 / PP: 31.3.83 / 1200 / IUPAP /
approx. US \$ 170.—

29 Aug. - 3 Sept. Düsseldorf, FRG
16th Int. Conf. on Phenomena in Ionized Gases (ICPIG - XVI)

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
H. Kümmel, Inst. f. Theor. Physik, Ruhr Universität Bochum, Postfach 102148, D-4630 Bochum 1

30 Aug. - 2 Sept. Asiago, Italy
Astronomy with Schmidt-Type Telescopes (IAU)
L. Rosino, Astronomical Institute, Vicolo dell'Osservatorio, Padova

30 Aug. - 2 Sept. Guildford, UK
EMAG '83
The Meetings Officer, Institute of Physics, 47 Belgrave Square, London SW1X 8QX
Ab: 30.4.83 / PP

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.

September Bratislava, CSSR
Surface Analysis '83
Conf. Secr., Dom Techniky, Skultúryho 1, CS-83227 Bratislava
Ab: 1.3.83 / P: 1.3.83 / Engl., Russian

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

3-6 Sept. St. Pölten, Austria
Electronic Structure and Properties of Rare Earth and Actinide Intermetallics
G. Hilscher, Inst. of Experimental Physics, Tech. Univ. of Vienna, Karlsplatz 13, A-1040 Vienna

5-8 Sept. Tübingen, FRG
Structure and Evolution of the Magellanic Clouds
K. de Boer, Astronom. Inst., Universität Tübingen, Waldhäuser Str. 64, D-7400 Tübingen

5-8 Sept. Orsay, France
Int. Symposium on Highly Excited States and Nuclear Structure
Mme N. Marty, IPN, B.P. No. 1, F-91406 Orsay
PP / 200 / IUPAP / approx. FF 500.—

5-9 Sept. Grenoble, France
Magnet Technology 8 (MT-8)
P. Rub, MTS, Service National des Champs Intenses, CNRS, B.P. 166X, F-38042 Grenoble Cedex
A: 31.7.83 / Ab: 1.4.83 / PP: 9.9.83 / 400 / Engl., French / FF 1200.— incl. proc.

5-9 Sept. Durham, UK
Int. Conf. on Fourier Transform Spectroscopy
J.R. Birch, Division of Electrical Science, National Physical Laboratory, Teddington, Mddx. TW11 0LW

5-9 Sept. Toulouse, France
10th Int. Conf. on the Optics of X-Rays and Microanalysis
B. Jouffrey, Lab. d'Optique Electronique du CNRS, B.P. 4347, F-31055 Toulouse Cedex
FF 600.—

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
IUPAC MACRO '83, Calea Plevnei 139, R-77131 Bucharest

5-10 Sept. Trieste, Italy
12th Int. Coll. on Group Theoretical Methods in Physics
Int. Centre f. Theor. Phys., POB 586, I-34100 Trieste
A: 31.5.83

6-9 Sept. Peking, P.R. of China
2nd Int. Conference on Lasers
Ch.P. Wang, US Program Comm., The Aerospace Corporation, POB 92957, Los Angeles, CA 90009, USA

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

7-10 Sept. Bordeaux, France
Hertzian Optics and Dielectrics
G. Raoult, Lab. de Radioélectricité et Théorie du Solide, B.P. 45, F-63170 Aubière
A: 30.6.83 / Ab: 31.5.83 / PP / 50 / Engl., French / about FF 250.— incl. proc.

7-17 Sept. Varenna, Italy
Course and Workshop: Mirror-Based and Field-Reversed Approaches to Magnetic Fusion
E. Sindoni, Istituto di Fisica, Via Celoria 16, I-20133 Milano

11-16 Sept. Antwerpen, Belgium
Joint Meeting: Deutsche Ges. f. Elektronenmikroskopie, Soc. Belge de Microscopie Electronique
F. Van Meir, Groenenborgerlaan 171, B-2020 Antwerpen
A: 31.7.83 / P: 1.7.83 / Engl., German / bFr. 2800.—; 400.— students

12-14 Sept. BNL, Upton, NY, USA
3rd Nat. Conf. on Synchrotron Radiation Instrumentation
W. Thomlinson, Nat. Synchrotron Light Source, Brookhaven Nat. Lab., Upton, NY 11973

12-14 Sept. San Francisco, CA, USA
5th Int. Conf. on High Power Particle Beams
R.J. Briggs, Beam '83 Conf., Lawrence Livermore Nat. Lab., Univ. of California, POB 808, L-321, Livermore, CA 94550

12-15 Sept. Villigen, Switzerland
Magnet Measurement Workshop (MMW-3)
Franziska Keller, MMW-3, SIN, CH-5234 Villigen

12-16 Sept. Kyoto, Japan
Int. Ion Engineering Congress 83 (ISIAT 83 and IPAT 83)
T. Takagi, Ion Beam Engineering Exper. Lab., Kyoto Univ., Yoshida-honmachi, Sakyo-ku, Kyoto 606
Ab: 31.12.82 / PP: 30.5.83 / Yen 40000.—

12-16 Sept. Geneva, Switzerland
Observational Tests of the Stellar Evolution Theory
A. Maeder, Geneva Observatory, CH-1290 Sauverny
PP / 150 / inv. / IAU

12-16 Sept. Lille, France
Int. Conf. on Dynamics of Interfaces
L. Dobrzynski, Lab. d'Etude des Surfaces et Interfaces, CNRS, HEI-ISEN, 13 rue de Toul, F-59046 Lille Cedex
Ab: 1.4.83 / Engl., French

12-16 Sept. Stuttgart, FRG
7th Int. Conf. on Crystal Growth
K.W. Benz, Secretary ICCG-7, Kristall-Labor, Physikaliches 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
G.R. De Maré, ULB, Fac. Sci., CP 160, Ave. Roosevelt 50, B-1050 Brussels

12-17 Sept. Heraklion, Crete
6th Specialized Int. Colloque Ampère: Quadruple Interactions and Spatially Resolved NMR in Solids
A: 28.2.83 / Ab: 15.4.83 / PP: 30.6.83 / 200 / US \$ 100.—

13-15 Sept. Trieste, Italy
Clusters and Groups of Galaxies
F. Mardrossian, Osservatorio Astronomico di Trieste, Via G.B. Tiepolo 11, I-34131 Trieste
A: 15.8.83 / PP: 15.8.83 / 100

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

14-16 Sept. Loughborough, UK
Concentrated Colloidal Dispersions
Mrs. Y.A. Fish, The Royal Society of Chemistry, Burlington House, London W1V 0BN
A: Aug. 83 / Ab: 31.12.82 / PP: 15.5.83 / 200 / £ 24.—

14-16 Sept. Reading, UK
Physical Aspects of Polymer Science
The Meetings Officer, Institute of Physics, Belgrave Square, London SW1X 8QX

16-18 Sept. Peking, P.R. of China
7th Rare Earth - Cobalt Magnet Workshop
Chinese Soc. of Rare Earths, 2 Xin Jie Kou Wai Dajie, Beijing, P.R. of China

18-22 Sept. Lisbon, Portugal
1st Iberian Symposium on Condensed Matter
J. Bessa Sousa, Faculdade de Ciencias, Porto, 4000

18-22 Sept. Hvar, Yugoslavia
Rapid Variability of Early-Type Stars
H. Pavlovski, Hvar Observatory, YU-58450 Hvar

18-23 Sept. New Delhi, India
12th World Energy Conference
E. Ruttley, World Energy Conf., 34 St. James's Str., London SW1A 1HD

19-21 Sept. Budapest, Hungary
Hungarian Conf. on Crystal Growth
HCCG3, Roland Eötvös Physical Society, POB 240, H-1368 Budapest
A: 15.4.83 / Ab: 15.4.83 / PP: 19.9.83 / 100 / inv. / US \$ 90.— incl. proc.

19-22 Sept. Sussex Univ., UK
6th Nat. Quantum Electronics Conf.
P.L. Knight, Optics Section, Blackett Lab., Imperial College, London SW7 2BZ

19-23 Sept. Paris, France
Physical Chemistry of the Solid State — Applications to Metals and Their Compounds
C. Troyanowsky, Soc. de Chimie Physique, 37th Int. Mtg., 10 rue Vauquelin, F-75231 Paris Cedex 05
A: 15.9.83 / Ab: 1.2.83 / P: 19.9.83 / 250 / Engl., Fr.

19-23 Sept. London, UK
Conf. on Engineering Rheology — Meeting of European Rheologists
K. Kirschke, Deutsche Rheologische Ges. e.V., Unter den Eichen 87, D-1000 Berlin 45
A: Sept. 83 / Ab: 31.12.82 / P: Sept. 83

19-23 Sept. Tours, France
8th Coll. High Resolution Molecular Spectroscopy
Ch. Bordé, Lab. de Physique des Lasers, Université Paris-Nord, Ave. J.-B. Clément, F-93430 Villetaneuse
Ab: 1.6.83

19-24 Sept. Grenoble, France
Congrès Général de la Société Française de Physique
Congrès SFP, 53 ave. des Martyrs, F-38026 Grenoble Cedex
A: 30.4.83 / Ab: 30.4.83 / PP: 23.9.83 / 700 / French, Engl. / FF 450.— mbrs SFP; 600.— others; 200.— students

20-22 Sept. Manchester, UK
Sensors and their Applications
The Meetings Officer, Institute of Physics, Belgrave Square, London SW1X 8QX
Ab: 1.4.83

20-22 Sept. Budapest, Hungary
3rd Conf. of Technical Committee on Flow Measurement (FLOMEKO '83)
IMEKO Secretariat, POB 457, H-1371 Budapest 5

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
Ab: 25.4.83 / PP

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: 1.5.83 / Ab: 1.5.83 / PP: 20.9.83 /
DM 250.— incl. proc.

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

26-30 Sept. London, UK
16th European Conf. on Laser Interaction with Matter
J.D. Kilkenny, Physics Dept., Imperial College, London SW7 2BZ

26-30 Sept. Liblice, CSSR
Int. Symposium on Jahn-Teller Effect
S. Krupicka, Inst. of Physics, Czechoslovak Acad. Sci., Na Slovance 2, CS-18040 Prague 8
A: 30.3.83 / Ab: 15.5.83 / 70 / inv. / Engl. / US \$ 100.— approx. incl. board

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 (IVC-9)
5th Int. Conf. on Solid Surfaces (ICSS-5)
Secretariat, Int. Union for Vacuum Science, Technique and Applications (IUVSTA), 47 Belgrave Square, London SW1X 8QX, UK

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

1-7 Oct. Erice, Italy
Workshop on Induced Gravity
S.L. Adler, School of Natural Sciences, Institute of Advanced Study, Princeton, NJ 08540

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

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

13-16 Oct. Delemont/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: Aug. 83 / PP / Engl., French, German

17-18 Oct. Florence, Italy
2nd European Conf. on Integrated Optics (ECIO 2)
G.C. Righini, EROE, Via Panciatichi 64, I-50127 Firenze

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.—

21-22 Oct. Upton, NY, USA
22nd Eastern Theoretical Physics Conference
L. Trueman, Physics Dept., Brookhaven National Lab., Upton, NY 11973

23-26 Oct. Geneva, Switzerland
9th European Conf. on Optical Communication
Conf. Sec. ECOC 83, A. Sollberger, Inst. for Applied Physics, Swiss Fed. Inst. of Technology, CH-8093 Zurich
Ab: 30.4.83 / PP / URSI / 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

2-4 Nov. Bad Honnef, FRG
Collective Excitations in Nuclei
P. von Brentano, Inst. f. Kernphysik d. Universität, Zùlpicher 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. Trieste, Italy
Applications of Physics to Medicine and Biology
P. Baxa, ICTP, POB 586, I-34100 Trieste

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, Osaka 560
A: 31.7.83 / Ab: 30.4.83 / PP: 13.11.83 / incl. proc. Y 30000.—; 20000.— students (before 31.7.); 35000.—, 25000.— (after)

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

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

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: 1.8.83

14-16 Dec. Oxford, UK
Solid State Physics
B.T.M. Willis, AERE, Harwell, Didcot, Oxon OX11 0RA
A: 1.12.83 / Ab: 1.11.83 / NP / 150

1984

General Meeting on Solar Physics
R.W.P. McWhirter, Rutherford Appleton Lab., Chilton, Didcot OX11 0QX

16-20 Jan. Toulouse, France
Microwave Signatures in Remote Sensing
E. Schanda, Inst. of Applied Physics, Sidlerstrasse 5, CH-3012 Berne

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

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

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

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
EPS Secretariat, POB 69, CH-1213 Petit-Lancy 2

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 / PP: 1.5.84 / 200 / SFr. 200.— IOM; 250.— others (incl. proc.)

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

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

1985

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.—

Schools 1983

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

11-21 May Erice, Italy
Advanced School of Astronomy: Workshop on Stellar Nucleosynthesis
A. Renzini, Osservatorio Astronomico, Via Zamboni 33, I-40126 Bologna
A: 31.3.83 / US \$ 450.— all incl.

24-29 May Wieszca nr. Gdansk, PL
2nd Spring Sch.: Acousto-Optics and its Applications
A. Sliwinski, Institute of Physics, University of Gdansk, ul. Wita Stwosza 57, PL-80-952 Gdansk

- 24 May - 17 June** Trieste, Italy
Spring College on Radiation in Plasmas
Int. Centre f. Theor. Phys., POB 586, I-34100 Trieste
- 27 May - 8 June** Boulder, CO, USA
Electrodynamics and Quantum Optics
A.O. Barut, Physics Dept., University of Colorado,
Boulder, CO 80309
- 2-11 June** Erice, Italy
Int. School of Fusion Reactor Technology: Workshop
on Fusion Blanket Technology
B. Brunelli, Centro Plasma, CNEN,
POB 65, I-00044 Frascati
- 5-18 June** Tabor, Czechoslovakia
JINR-CERN School of Physics
Miss D.A. Caton, Scientific Conf. Secretariat, CERN,
CH-1211 Geneva 23
or
Mrs. T.S. Donskova, JINR, Head Post Office, POB 79,
101000 Moscow, USSR
A: 24.3.83 / 100
- 7-10 June** Heverlee, Belgium
Summer Course in VLSI Process and Device Modelling
K.M. De Meyer, Laboratorium ESAT-91,
Kardinal Mercierlaan 94, B-3030 Heverlee
bFr. 16000.—, 8000.— students
- 14-24 June** Varenna, Italy
Turbulence and Predictability in Geophysical Fluid
Dynamics and in Climate Dynamics
R. Benzi, Centro Scientifico IVM,
Via del Giorgione 129, I-00147 Rome
A: 30.4.83 / 50 / US \$ 550.— incl. board & lodging
- 16-30 June** Erice, Italy
Int. School of Atomic and Molecular Spectroscopy: Energy Transfer Processes in Condensed Matter
B. Di Bartolo, Dept. of Physics, Boston College,
Chestnut Hill, MA 02167, USA
A: 10.4.83 / PP / 70 / US \$ 700.—
- 18-30 June** Castiglione della Pescaia, I
Magneto-Structural Correlations in Exchange Coupled
Systems
D. Gatteschi, Univ. of Florence, Inst. of Chemistry,
Via G. Capponi 7, I-50121 Firenze
- 19 June - 1 July** Les Arcs, France
Percolation, Localization and Superconductivity
A.M. Goldman, School f. Physics and Astronomy,
Univ. of Minnesota, 116 Church Str.,
Minneapolis, MN 55455, USA
- 20 June - 9 Sept.** Trieste, Italy
Research Workshop in Condensed Matter Physics
Int. Centre f. Theor. Phys., POB 586, I-34100 Trieste
- 22-28 June** Bachotek, Poland
Summer School on Magnetic Resonance
A. Gutsze, Nicholas Copernicus Univ., Inst. of Physics,
ul. Grudziadzka 5, PL-87-100 Torun
- 26 June - 8 July** San Miniato, Italy
Molecular Liquids: Analytical Theory, Computer Simulation and Experimental Investigation in Liquid Phase Research
J. Yarwood, Chemistry Dept., Univ. of Durham,
Durham, DH1 3LE, UK
PP / 60
- 27 June - 8 July** Messina, Italy
Towards a Unified View of Spectroscopic Investigation
F. Wanderlingh, Ist. Tecniche Spettroscopiche del CNR,
Ist. di Fisica dell'Università,
Via dei Verdi, I-98100 Messina
A: 30.4.83 / 30
- 28 June - 16 July** Varenna, Italy
Highlights of Condensed Matter Theory
M.P. Tosi, ICTP, POB 586, I-34100 Trieste
A: 30.4.83 / 50 / US \$ 700.— incl. board & lodging
- 1-11 July** Erice, Italy
Int. School of Materials Science and Technology (M. Balkanski): Workshop on Statics and Dynamics of Nonlinear Systems
R. Zayher, MPI f. Festkörperforschung,
Heisenbergstr. 1, D-7000 Stuttgart 80
A: 1.5.83 / PP: 27.5.83 / US \$ 600.— incl.
- 1-15 July** Erice, Italy
Int. School of Materials Science and Technology (M. Balkanski): Magnetic Phase Transitions
R.J. Elliott, Dept. of Theor. Physics, Univ. of Oxford, 1 Keble Road, Oxford OX1 3NP, UK
A: 1.5.83 / PP: 15.5.83 / 65 / US \$ 600.— incl. full board, proc.
- 2-14 July** Erice, Italy
Int. School of Mathematical Physics: Regular and Chaotic Motions in Dynamical Systems
G. Velo, Lab. de Physique Théorique, Bât. 211, Université de Paris-Sud, F-91407 Orsay
A: 10.4.83 / PP / 70 / US \$ 650.— all incl.
- 4-15 July** Culham, Abingdon, UK
20th Culham Plasma Physics Summer School
Mrs. G.M. Sadler, Summer School Office,
Culham Laboratory, Abingdon OX14 3DB
A: 13.5.83 / 50 / £ 155.—
- 4-29 July** Trieste, Italy
Summer Workshop on Particle Physics
Int. Centre f. Theor. Phys., POB 586, I-34100 Trieste
- 6-22 July** Cargèse, France
Particles and Fields: Recent Experimental and Theoretical Results on the Basic Constituents of Matter
Mrs. M.-F. Hanseler, IESC/LPTHE, Tour 16,
4 place Jussieu, F-75230 Paris Cedex 05
A: 20.3.83 / PP / 60
- 11-22 July** Château de Bonas, France
The Impact of Processing Techniques in Communications
Miss M. Sadler, Marconi Res. Centre, West Hanningfield Rd., Gt. Baddow, Chelmsford, Essex, UK
A: 1.6.83 / PP / 90
- 18-29 July** Stanford, CA, USA
SLAC Summer Institute on Particle Physics
Anne Mosher, SLAC, Bin 62, Stanford, CA 94305
A: 30.4.83 / PP / 300
- 19-29 July** Varenna, Italy
Physics of Amphiphiles: Micelles, Vesicles and Microemulsions
M. Corti, CISE S.p.A., POB 12081, I-20134 Milano
A: 30.4.83 / 50 / US \$ 550.— incl. board & lodging
- 1-11 Aug.** El Escorial, Spain
Nonequilibrium Cooperative Phenomena in Physics
M.G. Velarde, UNED-Ciencias,
Apdo. Correos 50487, Madrid
- 1-26 Aug.** Trieste, Italy
Summer School on Dynamical Systems
Int. Centre f. Theor. Phys., POB 586, I-34100 Trieste
- 3-14 Aug.** Erice, Italy
Int. School of Subnuclear Physics: How far we are from the electronuclear interaction and the other gauge forces
A. Zichichi, CERN, CH-1211 Geneva 23
A: by nomination only / PP / 130 / SFr. 1000.— incl. full board, lodging
- 7-27 Aug.** Glasgow, UK
Scottish Univ. Summerschool in Physics: Quantitative Electron Microscopy
R.P. Ferrier, Dept. of Natural Philosophy, The University, Glasgow G12 8QQ
A: April 83 / PP / 80
- 13-28 Aug.** Chania, Crete, GR
2nd Workshop on Nonlinear Equations and Dynamical Systems
F. Calogero, Dept. of Physics, Univ. of Rome I,
Piazzale Aldo Moro 2, I-00185 Roma
- 18-27 Aug.** Kyoto, Japan
Int. School on Crystallographic Computing
T. Ashida, Dept. of Applied Chemistry,
Faculty of Engineering, Nagoya Univ.,
Furo-cho, Chikusa-ku, Nagoya 464
- 19-28 Aug.** San Miniato, Italy
Int. School for Intermediate Energy Nuclear Physics
Carlo Schaefer, Ist. di Fisica, Università degli Studi di Roma, Piazzale Aldo Moro 2, I-00185 Roma
- 21 Aug. - 2 Sept.** Vancouver Island, Canada
Moment Formation in Solids
W.J.L. Buyers, Atomic Energy of Canada Ltd.,
Chalk River, Ontario, KOJ 1J0
- 21 Aug. - 18 Sept.** Uppsala, Sweden
Advanced Nordic Institute: Trace Algebra and Reduced Density Matrices in Physics and Chemistry
E. Brändas, Box 518, S-75120 Uppsala
A: 1.5.83 / NP / 50 / sKr. 5000.—
- 22 Aug. - 2 Sept.** Aspenäsgränd, 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
V. Ceausescu, Central Inst. for Physics,
Box MG6, Bucharest
A: 15.7.83 / PP / English
- 1-15 Sept.** Cargèse, France
Progress in Gauge Field Theory: Lattice and Continuum Gauge Theory; Geometry and Topology of Gauge Fields
Mrs. M.-F. Hanseler, IESC/LPTHE, Tour 16,
4 place Jussieu, F-75230 Paris Cedex 05
A: 15.4.83 / PP / 82
- 2-10 Sept.** Pisa, Italy
5^e Ecole d'Eté Méditerranéenne sur les Etats de Surface et la Liaison Chimique: Physorption, Chemisorption and Adhesion
M. Bourg, Université de Provence,
Place V. Hugo, F-13331 Marseille Cedex 3
Engl., Fr., Ital., Span. / FF 2000.— 2500.— all incl.
- 3-10 Sept.** Davos, Switzerland
5th Int. Summer School on Crystal Growth and Materials Research
H. Arend, ISSCG-5, Laboratorium f. Festkörperphysik, Eidg. Technische Hochschule, CH-8093 Zurich
125 / SFr. 250.—
- 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.
- 5-16 Sept.** Alcábaldeche, Portugal
Density Functional Methods in Physics
R. Dreizler, Inst. f. Theor. Physik, Universität, Robert-Mayer-Str. 8, D-6000 Frankfurt/Main
A: 31.5.83 / PP / 70
- 5-16 Sept.** Munich, FRG
Quarks, Leptons and Beyond
R.D. Pececi, MPI f. Physik u. Astrophysik,
Föhringer Ring 6, D-8000 Munich 40
- 6-10 Sept.** Gif-sur-Yvette, France
14^e Ecole d'Eté de Physique des Particules: Où sont les particules élémentaires?
Mme M.S. Detoef, IN2P3, 20 rue Berber du Mets,
F-75013 Paris
A: 30.6.83 / French
- 7-17 Sept.** Varenna, Italy
Course and Workshop: Mirror-Based and Field-Reversed Approaches to Magnetic Fusion
E. Sindoni, Istituto di Fisica,
Via Celoria 16, I-20133 Milano
A: 1.7.83 / Ab: 1.6.83 / PP / US \$ 250.— incl. proc.
- 12-16 Sept.** St. Andrews, UK
2nd British Postgraduate School in Nuclear Physics
K. Leddingham, Kelvin Laboratory, NEL,
East Kilbride, Scotland
- 12-22 Sept.** Bechyne Castle, CSSR
4th Int. School of Coherent Optics: Nonlinear Processes, New Laser Systems and New Materials, Laser Applications
V. Sochor, Fac. Nuclear and Appl. Physics,
Brehova 7, CS-11519 Prague
A: at site / Ab: 15.5.83 / PP: 22.9.83 / 120 / inv. / Engl., Russian / US \$ 120.—
- 12-30 Sept.** Antwerp, Belgium
Workshop IV on Nonlinear Stability
D. Callebaut, Physics Dept. U.I.A., B-2610 Antwerp
- 18-24 Sept.** Hajdusoboszló, Hungary
2nd Int. Summer School on Processes of Thin Film Formation: Processes of Defect Formation during Preparation and Treatment of Thin Films
Mrs. E. Nagy, R. Eötvös Phys. Soc.,
POB 240, H-1368 Budapest
A: 31.5.83 / Ab: 31.5.83 / PP: 24.9.83 / 100 / inv. / Engl. / IUUVSTA / US \$ 120.— all incl.
- 18 Sept. - 2 Oct.** Kupar - Dubrovnik, YU
Int. School of Elementary Particle Physics
H. Braun, Div. des Hautes Energies, Centre des Recherches Nucléaires, F-67037 Strasbourg Cedex
A: 15.5.83 / PP / 80 / SFr. 700.—

19 Sept. - 8 Oct. Trieste, Italy
Autumn College on Soil Physics
Int. Centre f. Theor. Phys., POB 586, I-34100 Trieste

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.— (II); 220.— (II) all incl.

17 Oct. - 11 Nov. Trieste, Italy
Nuclear Physics Workshop
Int. Centre f. Theor. Phys., POB 586, I-34100 Trieste

15-25 Nov. Erice, Italy
Int. School of Radiation Damage and Protection (A. Rindi): Biological Effects and Dosimetry of Non-ionizing Radiation — Static and ELF Electromagnetic Fields
M. Grandolfo, Ist. Superiore Sanità, Viale Regina Elena 299, I-00161 Roma

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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 Nucleus 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.

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For further information write to or telephone: Dr. M. A. Nagarajan (0925 65000, Ext. 211) quoting reference DL/811.

Solid State Theoretician (2 posts) Ref. No. DL/810

The work in the Theory Group at present includes the electronic structure of surfaces and alloys, the properties of defects in solids, the interaction of radiation with condensed matter, and the development of x-ray spectroscopies to probe the local atomic environment, as well as atomic and nuclear theory.

There is close contact with the Computational Science Group which includes work on the electronic structures of solids, surface physics and quantum chemistry.

The successful applicants will be expected to take a strong interest in experiments which are underway or planned on the synchrotron radiation storage ring, and one of the positions will be in the field of the electronic structure of metals and semiconductors.

For further information write to or telephone
Dr. J. E. Inglesfield (0925 65000 Ext. 240) quoting DL/810.

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The Personnel Officer,
Daresbury Laboratory,
Science and Engineering
Research Council,
Daresbury,
Warrington,
Cheshire WA4 4AD.

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