EPS 10 Trends in Physics
10th General Conference of the European Physical Society
9-13 September 1996
Hotel Melia Sevilla, Seville, Spain
On Europhysnet at http://epswww.epfl.ch/conf/eps10.html

Organizers
Conference Chairs
Royal Spanish Physical Society/Portuguese Physical Society
L. Lecano Loya (Seville) & C. Mato Ferreira (Lisbon)
H. Walthier (Garching), Chair

International Programme Committee
P.M. Melville, IoP, 47 Belgrave Sq., London, SW1 X 8QX, UK
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de Paris XI, F-91405 Orsay
Contact: A. Suzor Weiner, Laboratoire de Photophysique Moléculaire, Bât. 213, Université

Inaugural Meeting: 10.00 hours, Saturday, 14 September 1996

EPS General Meeting: 13.00-14.00 hours, Wednesday, 11 September 1996.

Panel Discussion (F. Schneider, Dreieich, chair)

L. Alvarez-Gaumé, Geneva
P. Bak, Brookhaven, USA
A. de Rújula, Geneva
S. Haroche, Paris
K. Lackner, Garching
V. Lebedev, Moscow
C. Llewellyn Smith, Geneva
M.L. Perl, Stanford, USA
J. Pinto Peixoto, Lisbon
A. Quintanilha, Porto
N.F. Ramsey, Harvard, USA
G. Savatzky, Groningen
B. Schut, Cardiff
P. Söding, Zürich
G. Tammann, Basle
B. van Linden van der Heuvel, Amsterdam
J. Vervier, Louvain
K. von Klitzing, Stuttgart
G. Wegener, Mainz
A. Tiemblo Ramos, Madrid

Theory of particle physics
Self-organised criticality & punctuated equilibria
Antimatter in the Universe
Testing quantum mechanics with atoms & photons in cavities
New concepts in fusion & the role of ITER
Atomic optics & interferometry with laser light
Planned experiments on LHC
Conventional & speculative experiments in elementary particle physics
Physics of climate
Molecular markers of oxidative stress in biology & medicine
Symmetry in physics
Strongly correlated systems
From magnetic insulators to high-Tc superconductors
Gravitational wave detection
Progress in understanding particle structures
Expansion of the Universe
Time versus frequency resolved experiments in atom-light interactions
Nuclear astrophysics with radioactive beams
Quantum transport in semiconductor nanostructures
New polymers, polymer systems & their applications
Cultural Talks: The road to the question

Panel Discussion (E. Schneider, Dreieich, chair)

Job Opportunities for Young Physicists

Interdivisional Group for Applied Physics & Physics in Industry

Inaugural Meeting: 10.00 hours, Saturday, 14 September 1996

Contact: P.M. Melville, IoP, 47 Belgrave Sq., London, SW1 X 8QX, UK
Tel +44-171-285 31 11, Fax +44-171-259 60 02, Email lop@phys.ac.uk

SATELLITE MEETING
Physics of Materials for Solar Energy Conversion (Sevilla; 16-20 September 1996)

Contact: A. Suzor Weiner, Laboratoire de Photophysique Moléculaire, Bât. 213, Université de Paris XI, F-91405 Orsay
Tel +33-1-69 41 74 68, Fax +33-1-69 41 67 77, Email annick@scipion.ppm.u-psud.fr

CMD-EPS ’96
15th General Conference of the Condensed Matter Division of the European Physical Society
22-25 April 1996
Grand Dino Conference Centre, Baveno-Stresa, Lake Maggiore, Italy
On Europhysnet at http://epswww.epfl.ch/conf/cmd96.html

Conference Chair: A. Stella (Pavia)
Local Organizing Committee: Chair G. Guzzetti (Pavia)
Scientific Secretary: L.C. Andreani (Pavia)
Programme Committee: Chair G. Chiariotti (Pavia)

Organizing Secretariat & Further Information
PRAGMA, CMD-EPS’96, Via S. Giovanni in Borgo, 4, I-27100 Pavia, Italy
Tel +39-38-30 28 50, Fax +39-38-276 97

Late registration, with a higher registration fee, as from 1 March 1996

Symposia
High pressure phases; Isotropically engineered materials; Computational physics; Clusters & fullerenes; Point contact spectroscopy; STM ballistic effects; High-Tc superconductivity; Vortices in superconductors & superfluids; Magnetic nanostructures; Surfaces at atomic resolution; Semiconductor nanostructures & nanocavities; Atomic mobility & tunnelling; Conducting polymers; Thin polymer layers & interfaces

Organizing Secretariat & Further Information
PROCONSOL, Jva. San Francisco Javier 14, 4th Floor, E-41018 Seville, Spain
Tel +34-5-492 27 55, Fax +34-5-492 30 15, E-mail eps10@ccia.es

Deadlines:
Abstracts 1 April 1996
Registration 15 May 1996
Hotel Reservation 15 May 1996
Late Registration 15 August 1996 (additional registration fee after this date)

Grants for young physicists
A significant number of grants for physicists less than 30 years old are available. To apply, please send a Letter of Recommendation from the head of department to the Organizing Secretariat indicating the applicant’s age, field of interest and justification for a grant.

PARALLEL SYMPOSIUM
Title and Organizer’s Poster sessions take place before or after symposia

Bose-Einstein condensation
J.T.M. Walraven Amsterdam
Energy policies & ecological impact
R. Dekeyer, Leuven
Experiments on quantum phenomena
C. Cohen-Tannoudji, Paris/J. Dalibard, Paris
Fluctuations in low & high temperature plasmas & in hydrodynamic systems
C. Hidalgo, Madrid/A. Piel, Kiel
Fullerenes & nanotubes
L. Forro, Lausanne
Lasers & tunnelling microscopy
N. Kô, Budapest
Material processing by plasmas
D. Schram, Eindhoven
Neutrino physics
T. Kirsten, Heidelberg/R. L. Mössbauer, Garching
New perspectives in nuclear physics
R.A. Ricci, Legnaro
Physics education
C.M. Ferreira, Lisbon/H. Ferdinand, Gent/G. Tammann, Basle
Physics with ion-storage cooler rings
M. Larsson, Stockholm/R. Schuch, Stockholm
Quantum computing & quantum telecommunication
A. Ertok, Oxford/A. Zeilinger, Innsbruck

V. Domingo, Noordwijk/M. Kessler, Noordwijk

Contributions for oral or poster presentation solicited

Programs of proposed contributions for the oral symposia or for the poster sessions are solicited. Those related to a symposium will be forwarded to the symposium chair who will decide upon acceptance for the symposium as an oral presentation. Contributions will be mainly presented as posters. Abstracts (camera ready, one page, in English and including figures) should reach G. Thomas, EPS 10, BP 69, CH-1213 Petit-Lancy 2, Switzerland, by 1 April 1996.

Abstracts
An Abstracts Booklet will be distributed at the conference. Camera ready abstracts, of one page, in English and including figures, should reach G. Thomas, EPS 10, BP 69, CH-1213 Petit-Lancy 2, Switzerland, by 1 April 1996.

PLENARY TALKS

Y. Bruynooghe, Leuven
R.A. Cowley, Oxford
T.P. Martin, Stuttgart
F. Sette, Grenoble
E. Tosatti, Trieste
R.H. Friend, Cambridge

New phenomena in nanostructured materials
Are there two length scales at phase transitions?
Collective dynamics in liquid water by inelastic X-ray scattering with meV energy resolution
Order & disorder at crystal surfaces
Polymeric light-emitting diodes

SPECIAL PLENARY SESSION ON APPLIED PHYSICS

F. Carpasso, Murray Hill, USA
M. Coey, Dublin
O. Postmaas, Helsinki
B. Smit, Amsterdam

Quantum cascade lasers
Use of permanent magnets in industry
Medical applications of squids in neuro- & cardio-magnetism
Computational physics in industry

SPECIAL EVENING SESSION ON SCIENCE & SOCIETY

G. Curien

Solid-state physics in governmental projects
Solid-state physics in industry

FORUM ON LARGE FACILITIES
Invited Speakers: K. Unterrainer (Vienna), M. Springford (Bristol), A. Furrer (Zurich)