

europ physics

news



BULLETIN OF THE EUROPEAN PHYSICAL SOCIETY

J.A.

Volume 18

Number 6

Directory Issue

June 1987

Trends in Physics

7th General Conference of the European Physical Society

Helsinki, 10-14 August 1987

The third circular now being printed, giving up-to-date details of the arrangements for the 7th General Conference in Helsinki is a testimony to the enormous amount of work that has gone into the preparation of the Conference and Industrial Exhibition. The programme has been progressively developed to accommodate new shifts in emphasis in physics and to give as broad a view as possible of the main preoccupations of physicists at this time.

The Conference is centred on the main building of the Helsinki University of Technology (Teknillisen korkeakoulun paarakennus) in Otaniemi which is some 9 km

west of the city centre. There is a regular bus service from and into town. Checking in will begin on Saturday 8 August from 17h00 to 21h00 and the following day between 15h00 and 21h00. Participants can register on the spot, but are strongly recommended make advance reservations so avoiding the surcharge applied to late-comers.

A *Get-Acquainted Party* is being arranged from 19h00 to 22h00 on the Sunday evening in the main building of the University and on the following evening will be a *Young Peoples Beer Party* in which some of the more "mature" will be circulating — a

response to the comment made by a number of students after the last General Conference on how difficult it was to "break into" the established community. Other evening functions are the presentations of the EPS reports on Nuclear Winters and the Employment Situation (Tuesday); EPS and Physics in Developing Countries (Thursday) and the *Conference Banquet* on Friday.

Whereas the general pattern is to have general plenary talks in the morning and the specialised seminars in the afternoon, Friday will have plenary sessions in the afternoon also closing with a special report by N. Bloembergen of Harvard on the APS study on directed energy weapons. Wednesday starts with the Cecil Powell Memorial Lecture given by T. Regge of Turin on Computer Algebra and Physics after which will be the General meeting of EPS members (for which IOMs will need an admission card). This is followed by the presentation of the 1987 Hewlett-Packard Europhysics Prize to I.K. Yanson of Kharkov who will then speak on Point Contact Spectroscopy of Metals. The topics of the plenary talks and the names of the speakers are given in the table together with the titles of the Seminars.

If you have not already registered or reserved accommodation, you should get in touch at once with:

Travel Experts Ltd., Congress Dept.
POB 722
SF-00101 Helsinki, Finland
Tel.: (358) (0) 17 73 31

Plenary Talks

The Supernova of 1987
Big Bang and Little Bang — Cosmology in the Laboratory
Superstrings — the Unification of the Physical Forces
Electron-Positron Pair Creation in Heavy Ion Collisions
Accelerators for the Future
High Temperature Superconductivity in Layered Copper Oxides

Quasi-crystals
Sub-mm Waves — New Possibilities in Solid State Spectroscopy
Digital Optical Computers — If, How and Why
Scanning Tunnelling Microscopy
A New Look at Physics Education
Study of Liquid Surfaces by Synchrotron Radiation
Alignment and Orientation in Atomic Collisions
Polymers at Interfaces
Chaos in Lasers
Space Research in the USSR after the Vega Mission
Halley's Comet, a Close Look
JET and the Prospect of Nuclear Fusion

Parallel Symposia

High Energy and Particle Physics
Laser Spectroscopy
Hot Carriers in Electronic Devices
Physicists in Brain Research
Cyclotron Resonance of Electrons in 2-D
Plasma Treatment of Surfaces
High Temperature Superconductivity
New Aspects of Nuclear Structure

Dynamics of Excited Atoms and Molecules in Collision
Quantum Optics
Heavy Fermions
Physics of Ultra-short Optical Pulses
Physics and Modern Production Technologies
Modern Computations of Molecular Structure
Scanning Tunnelling Microscopy

L. Woltjer
K. Kajantie
M. Green
P. Kienle
S. van der Meer
K.A. Müller and
J.G. Bednorz
D. Shechtman
A.M. Prokhorov
A. Lohmann
H. Rohrer
B. Pippard
J. Als-Nielsen
N. Andersen
P.G. de Gennes
F.T. Arecchi
R. Sagdejev
J. Geiss
R. Bickerton

Contents

7th EPS General Conference	77
European Geotraverse Project	78
EPS Directory	
Members, Officers and Delegates	81
EPS Lecturer	83
Advisory Committees	84
Divisions and Sections Boards	85
Europhysics Journals	86
Jobs for Physicists	87
1988 Hewlett-Packard Prize	88
Semimagnetic Semiconductors	90