

# europ physics news



BULLETIN OF THE EUROPEAN PHYSICAL SOCIETY

EPS Main Secretariat, POB 309,  
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Volume 3 No. 1  
January/February 1972

On 3-6 October 1972 in Wiesbaden, Federal Republic of Germany, the EPS will hold its second General Conference which will be organized jointly with the German Physical Society. During the Conference a physics exhibition will be held to show participants the latest developments of devices and instrumentation in physics and to encourage contacts between physicists in research, teaching and development.

The theme of the scientific programme is 'Trends in Physics', and the Conference is planned to give a broad review of the present and the future of physics. In addition to the research fields covered by existing Specialized Divisions of the EPS, time has been allocated in the programme to related fields that are of rapidly growing interest to physicists as, for instance, modern biophysics and geophysics of the atmosphere, and even to fields as remote as the applications of physical methods to economics.

Throughout the Conference two aspects will predominate: One is the application of fundamental physics to modern technology, which will be underlined in plenary and divisional sessions, and special talks will be devoted to recent technological developments. The other is the close interrelation of physics and society. Special morning and evening sessions will be allocated to the discussion of science policy, funding of research and the employment situation in Europe. The role of the physicist and his public image will be illustrated in the context of the physicists' responsibility towards society.

The general aim of the Conference is to give the active physicist an insight into the trends of physics in research and teaching, even outside his specific domain of activity. The organizers hope that the conference will stimulate the participants to think about the relevance of their activities. The organizers are aiming to attract young physicists in addition to active

## EPS General Conference

Wiesbaden, 3-6 October 1972

### Theme: Trends in Physics

research scientists in order to achieve a fruitful interchange of views covering a wide range of fields.

The Programme Committee decided to have plenary sessions in the mornings and evenings and five parallel divisional sessions on each of three afternoons. On Wednesday afternoon, 4 October 1972, the plenary talk will be followed by the General Assembly of Ordinary Members of the European Physical Society.

The following invited speakers have already accepted to take part in the plenary sessions:

- L.A. Artsimovich (Moscow)  
Fusion
- C. Cohen-Tanoudji (Paris)  
Atoms Dressed by Photons
- G. Fiocco (Frascati-Rome)  
Lasers and the Atmospheric Sciences
- M. Eigen (Göttingen)  
Origin of Biological Information
- W. Kaiser (Munich)  
Non-linear Optics and Short Light Pulses
- W. Kundt (Hamburg)  
Origin of the Universe  
(title not confirmed)
- A. Oraevski (Moscow)  
Chemical Lasers and Chemical Reaction Induced by Lasers  
(title not confirmed)
- J. Tinbergen (The Hague)  
Physics and Economy  
(title not confirmed)
- S. van Houten (Eindhoven)  
Physical Aspects of Displays
- L. van Hove (Geneva)  
Recent Developments in High Energy Physics

The Programme Committee has encouraged the EPS Divisions to cooperate in the preparation of their programmes and the following Divi-

sions will organize combined sessions on inter-divisional subjects:

- High Energy and Particle Physics - Nuclear Physics
- Atomic Physics - Atomic Spectroscopy
- Condensed Matter - Low Temperature Physics
- Astronomy - Computational Physics

Because of the nature of the Conference there will be no contributed papers. Plenary lectures will be published in full, and abstracts of talks given in divisional sessions will be available at the Conference.

For questions on scientific matters please contact the Chairman of the Programme Committee:

*Professor Dr. W. Martienssen,  
Physikalisches Institut der Universität,  
Robert Mayer-Strasse 2-4,  
D - 6000 Frankfurt/Main  
(Telephone 7982345).*

For organizational matters on Conference and Exhibition please contact the Organizer:

*Mr. U. Dihle,  
Physikalisches Institut der Universität,  
Robert Mayer-Strasse 2-4,  
D - 6000 Frankfurt/Main  
(Telephone 779731).*

To facilitate the attendance of students, the various National Physical Societies have been requested to seek funds for financial support. Cheap accommodation has been booked in Wiesbaden, and special efforts have been made to assist scientists from Eastern Europe wishing to attend.

**See overleaf for Provisional Lecture Programme and Application Form.**

# EPS General Conference, Wiesbaden 1972

## Provisional Lecture Programme

*Tuesday*  
3 October

9.00 to 12.30

- Opening Session
- Origin of the Universe\*
- Physics and Economy\*

14.30 to 18.00

- High Energy Physics
- Atomic Physics / Atomic Spectroscopy
- Quantum Electronics
- Condensed Matter / Low Temperature Physics

20.00

Information Session on EPS Activities. Discussion : Physics and Society - Public Policy and Current Prospects

*Wednesday*  
4 October

9.00 to 12.30

- Recent Developments in High Energy Physics
- Non Linear Optics and Short Light Pulses
- Plenary Session\*\*

14.30

- Plenary Session\*\*

15.30

- **General Assembly of EPS Ordinary Members**

20.00

- Plenary Session\*\* on Physics and Society

*Thursday*  
5 October

9.00 to 12.30

- Fusion
- Physical Aspects of Displays
- Plenary Session\*\*

14.30 to 18.00

- Atomic Physics / Atomic Spectroscopy
- Astronomy
- Computational Physics
- High Energy Physics / Nuclear Physics
- Plasma Physics

20.00

- Origin of Biological Information

*Friday*  
6 October

9.00 to 12.30

- Lasers and the Atmospheric Sciences
- Atoms Dressed by Photons
- Plenary Session\*\*

14.30 to 18.00

- Nuclear Physics
- Astronomy
- Condensed Matter / Low Temperature Physics
- Quantum Electronics
- Computational Physics

20.00

- Plenary Session\*\* on Computers and Teaching

\* Title not yet confirmed

\*\* Speaker and title not yet confirmed

## Society's First President Honoured

The Governing Board of the American Institute of Physics has named Professor **G. Bernardini** as the third recipient of the John Torrence Tate Gold Medal for 'distinguished service to the profession of physics'. The Gold Medal is awarded approximately every five years and is accompanied by a certificate and a cheque for US \$ 1000. Gilberto Bernardini, the first President of the EPS, was especially recognized in the award for his 'efforts as the guiding spirit in the creation of the European Physical Society'. He is to receive his award at the 50th Anniversary Meeting of the General Assembly of the International Union of Pure and Applied Physics in Washington, DC, on 21 September 1972.

### Second General Conference of the EUROPEAN PHYSICAL SOCIETY

Wiesbaden, Federal Republic of Germany, 3-6 October 1972

The topic of the Conference will be :

### TRENDS IN PHYSICS



#### Application Form

To keep your copy of Europhysics News intact you may reproduce this form.

To : Mr. U. Dihle,  
Physikalisches Institut der Universität,  
Robert Mayer Strasse 2-4,  
D - 6000 Frankfurt/Main.

I am interested in attending the Second General Conference of the European Physical Society.

I expect to be accompanied by ..... persons.

Please send further information to the following address :

Name : .....

Address : .....