

Methods based on a time frequency representation of the echographic signal have been considered and a particular effort has been made to understand and to correct the bias on the attenuation estimation due to the diffraction. It remains to be seen whether all these algorithms on clinical data enable quantitative measurements to be made thus providing new tools in medical diagnosis.

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## EUROPEAN SPACE AGENCY

The European Space Agency seeks for its European Space Research and Technology Centre, Noordwijk

### One Staff position and possibly two fellowship positions in the domain of PLANETARY SCIENCE

The Staff position will require that part of the time is devoted to project work related to ongoing space missions and study work for future missions. However, initially the main aim will be to initiate and carry out research. Fellows can devote their time fully to research.

The research will be in line with planned ESA missions in planetary science, and the following research topics, with emphasis on experimental techniques, will be considered:

- remote sensing of atmospheres, including dust and ice constituents
- in-situ techniques for observations of grains, atoms/molecules and plasma, in order to study interaction processes
- collection and analysis of dust and ultimately, as a long term aim, collection of material from primitive planetary bodies.

Applications should be directed to the Head of Personnel, ESTEC, Postbus 299, 2200 AG Noordwijk, the Netherlands, including detailed curriculum vitae. For enquiries phone 1719-83308.

## NEW COLLABORATING SOCIETIES

Under the terms of the decision taken by Council in March of this year, extending to European astronomical societies the possibility of becoming Collaborating Societies of the EPS, the following societies have applied and been accepted:

**Società Astronomica Italiana  
Nederlandse Astronomenclub**

Members of these societies may now join the European Physical Society for an annual fee of Sw.Fr. 50.-. For this they [like other 4d) members, such as those who are members of the American Physical Society] are entitled to the full benefits of individual membership.

Application should be made to the Secretariat in Geneva.

## PLASMA PHYSICS

The result of the recent ballot in the **Plasma Physics Division** is given below:

Full Members of the Board:

- K. Appert, CRPP, Lausanne
- R. Behrisch, IPP, Garching
- W. Böttcher, University, Hannover
- F. Engelmann, NET, Garching
- A. Gibson, JET, Abingdon
- J. Jacquinet, JET, Abingdon
- V. Jensen, Risø Nat. Lab., Roskilde
- M. Kaufmann, IPP, Garching
- H. de Kluiver, FOM, Nieuwegein
- R.V. Sagdeev, Inst. of Space Research, Moscow
- D.C. Schram, Univ. of Techn., Eindhoven

D. Sweetman, Culham Lab., Abingdon

The Division also approved the proposed change in the Statutes whereby the outgoing Chairman may serve a further three-year term even though he may already have served on the Board for two consecutive terms.

## NUCLEAR PHYSICS BOARD

As a result of the recent elections, the full members of the Board of the **Nuclear Physics Division** over the next three years will be as shown opposite:

The names of the Chairman and Secretary will be announced later.

Note: The October issue of *Europhysics News* is a Meetings issue

- R. Bergere, CEA, Saclay
- P. Glaudemans, University, Utrecht
- G. Goldring, Weizmann Institute, Tel Aviv
- I. Iori, Institute of Physics, Milan
- P. Lieb, University, Göttingen
- G. Morrison, University, Birmingham
- I. Sick, University, Basel
- G. Tibell, Gustaf Werners Inst., Uppsala
- P. von Brentano, University, Cologne
- H. Zingl, University, Graz

#### EPS Divisions, Sections and Group

- Astronomy and Astrophysics Division
- Solar Physics Section
- Atomic and Molecular Physics Division
- Atomic Spectroscopy Section
- Chemical Physics
- Electronic and Atomic Collisions
- Molecular Physics
- Computational Physics Group
- Condensed Matter Division
- Liquids Section
- Low Temperature Physics Section
- Macromolecular Physics
- Magnetism
- Metal Physics
- Semiconductors and Insulators
- Surfaces and Interfaces
- High Energy & Particle Physics Division
- Nuclear Physics Division
- Optics Division
- Plasma Physics Division
- Quantum Electronics Division

*Europhysics News* is the official journal of the European Physical Society which comprises 29 National Societies, Academies and Group, over 3500 Individual Members and 66 Associate Members. Governing bodies of EPS are the General Meeting, Council and an elected Executive Committee responsible for detailed policy. EPS promotes the collaboration of physicists throughout Europe, organising and harmonising conferences and publications, improving physics education, encouraging physics applications, awarding scholarships to sponsored schools in Erice. EPS publishes in addition to *EN*, *Europhysics Conference Abstracts*, *E. Ed. News* and, in collaboration with The Institute of Physics (UK), the *European Journal of Physics*. Individual Members receive *EN* free of charge (price to institutions: Sw.Fr. 90.-/a), rebates on the price of many publications and on conference fees. Annual EPS membership fee for Individual Members belonging to an EPS member society is: Sw.Fr. 40.-; independent members: Sw.Fr. 120.-; members of a Collaborating Society, e.g. the American Physical Society: Sw.Fr. 50.- (\$ 25).

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