

are of course limited for other reasons. The magnetic measurement technique, often augmented with electric surface measurements has helped in localizing a number of source activities in the cortex, elicited by stimuli of different modalities. The studies made at New York University especially deserve to be mentioned. Although the evoked magnetic fields are only a few hundred femtoTesla in amplitude, they were successfully measured without any magnetic shielding!

It would not be appropriate to list here all possible applications of biomagnetic measurements. Instead we shall finish by mentioning the studies of magnetic biosusceptibility or magnetization *in vivo*. The mechanical activity of the heart produces an induced signal in the external magnetic field. Excess iron in liver has been detected by a group at Case Western Reserve University using a similar technique. Several groups have studied the accumulation of magnetic contamination in the lungs of welders. The subjects were magnetized in an external magnetic field and the remanence magnetization was measured. Often these fields are so high that conventional flux-gate magnetometers can be used.

#### REFERENCES

1. *Biomagnetism*, Proceedings Third International Workshop on Biomagnetism (Berlin 1980), Eds. S.N. Erné, H.D. Hahlbohm and H. Lübig (Walter de Gruyter, Berlin) 1981.
2. *Il Nuovo Cimento 2D*, 2 (1983).
3. *Biomagnetism*, Eds. S.J. Williamson, G.L. Romani, L. Kaufman and I. Modena (Plenum Press, New York) 1983.

## EPS History

We apologise for the omission of a line in the President's article in May. To set the record straight, the sentence dealing with the early days of EPS should read:

"At the time of the inaugural conference in Florence in April 1969, following the establishment of the Society in Geneva in September 1968..."

## Delegates of Associate Members

Following the recent ballot, the delegates to Council of the Associate Members are:

- E. Feldtkeller, Siemens (4 years)
- J.-C. Lehmann, CNRS (4 years)
- R.W. Brander, British Telecom. (2 years)
- J.A. Goedkoop, ECN (2 years)



Rijkswijkuniversiteit Utrecht

In the Faculty of Mathematics and Physical Sciences (Division of Physics and Astronomy) of the State University at Utrecht a vacancy exists for a

## Professor of Computing and Computer Systems in Physics

**Functions:** the professor will, within the group "Physical Informatic", supervise the research in physical informatics.

The research will be coordinated with the departments of the Division of Physics and Astronomy. Possible fields of interest are: data acquisition, transducer systems, computer networks and distributed architectures, image processing, robotics, modelling and simulation.

The professor will be responsible for the teaching of the major subjects in "Physical Informatics" and will participate in the general courses of the Division of Physics and Astronomy. Because of the recent introduction of a new major "Applied Physics (with special Physical Informatics)" degree, new courses have to be developed.

The teaching of Physical Informatics to students in the Division of Physics and Astronomy has to be coordinated with that of the Department of Informatics of the Utrecht University and of the Department of Physical Informatics of the University of Amsterdam.

#### Requirements:

- proven abilities in the field of general aspect of the application of computers to signal processing of physical systems and in one or more of the above mentioned disciplines.
- broad research experience, especially in the named field, as evidenced by thesis and scientific publications.
- proven teaching abilities and experience.

The professor has to be at a sufficiently high level in general computer science to enable a useful cooperation with the Department of Informatics to be maintained.

Because a good cooperation with departments and service groups in and outside the Division of Physics and Astronomy, is a prime requirement, the candidate needs to be flexible in personal relationships. Good contacts with e.g. industry are valued.

Further information can be obtained from the chairman of the search committee: prof. dr. J.J. Koenderink, Tel. (30) 53 39 85.

Salary: Dfl. 6 364.- — Dfl. 9 005.-

Applications: with curriculum vitae and list of publications, are expected within three weeks after the appearance of this announcement. They are to be directed to the

Secretary of the Search Committee: Mr. A. van Nieuwpoort, Personnel Department, Laboratory of Experimental Physics, Princetonplein 5, NL - 3584 CC Utrecht, The Netherlands quoting vacancy No. 159.142.070.

Anyone who wishes to suggest appropriate candidates is invited to communicate with the Search Committee. Applicants who have not mastered the Dutch language must be prepared to learn the language within two years so as to be able to teach courses in Dutch.