The Eindhoven University of Technology, The Netherlands, is a high-tech university.
- The university concentrates on fundamental technological research and high-quality education for future engineers, designers and researchers.

Full-time professor in Low Temperature Techniques and Low Temperature Physics

The Solid State Division of the Department of Technical Physics consists of four groups, working closely together: Semiconductor Physics, Cooperative Phenomena, Physics of Surfaces and Interfaces, and Low Temperatures. The profile of the vacant chair is "Low Temperature Techniques and Low Temperature Physics"; the research field to be covered has a physical as well as a technical component.

Low Temperature Techniques includes the exploration of novel techniques for low temperature ranges, also for application in related branches of physics. Furthermore, this field of research includes the development of specific and advanced low temperature measurement methods. To the technical component also belongs technological research in the temperature range of liquid nitrogen (77K) and liquid helium (4K).

The Solid State Physics Division and the research school (in formation) COBRA (Compound Semiconductor and Optoelectronics: Basic Research and Applications), in which artificial structures and low-dimensional systems play an important role.

Your tasks
You will participate in the department's teaching programme by giving lectures and supervising the research work of undergraduate students and graduate students working on a PhD-thesis. You will direct and stimulate a research group working in the specific field of Low Temperature Techniques and Low Temperature Physics.

What we ask and offer
You are an experienced low temperature physicist with ample skills in the field of instrumentation. You also have outstanding didactic abilities and are devoted to interdisciplinary cooperation in the area of education and research. You are willing to work actively for the acquisition of additional public and industrial funds. You are prepared to make a reasonable contribution to the managerial tasks of the Department.

Due to efforts to attain a more balanced staff, we particularly invite women to apply.

How to apply
You may send your written application, accompanied by a curriculum vitae and a list of publications within six weeks to the Chair of the Advisory Committee for the Appointment Prof.dr.ir. W.J.M. de Jonge, Department of Technical Physics, P.O. Box 513, 5600 MB Eindhoven, The Netherlands. For further information about this position you can phone Prof.dr.ir. W.J.M. de Jonge: ++31-40474260 or ++31-40472515. The appointment committee also appreciates to receive suggestions for suitable candidates.
component, Karsten Danzmann who heads the MPf's gravitational wave research says the UK and German teams will concentrate on research and back-up, hopefully within the framework of an R. & D. collaboration. Meanwhile, the US Congress has approved the full LIGO programme of 212 MSUS for the construction by 1997 of two antennae, with spending in fiscal '92 and '93 of 20 and 83 MSUS, respectively.

![Graph showing students entering universities in the Netherlands, UK and Germany. (Courtesy: E.W.A. Lingeman, P. Diamond and M. Schwoerer, respectively)](image)

- **Long-Term Student Numbers Constant**
  E.W.A. Lingeman, Chairman of the Physics & Society Committee, has sent data (see figure) for the numbers entering universities in the UK, Germany and The Netherlands as physics students. The Netherlands' data show a drop from 900 to 740 over the last four years; the data for the UK and Germany are less alarming (UK students were redefined in 1991 so data for 1991-2 are not plotted as they must be renormalised).

  Extending over a longer period, trends are less disturbing as the numbers in each of the three countries seem rather constant.

- **New Tokamak Starts Experiments**
  A new plasma physics research reactor called TCV (Tokamak a Configuration Variable) started last month a five-year experimental campaign financed jointly by EURATOM and the Swiss government. TCA is sited in Lausanne at the Centre de Recherches an Physique des Plasmas, which has been the Swiss laboratory associated to EURATOM since 1978. As the name implies, TCV aims to study the effect of the cross-sectional shape of a toroidal plasma on the confinement properties up to relatively large aspect ratios. TCV's main parameters are: 1.54 m high, 1.76 m diameter vacuum vessel; 1.2 MA maximum plasma current. TCV follows on from TCA, the CRPP's (and Switzerland's) first research reactor. TCA is similar in size to TCV but designed for a much smaller plasma current; it ceased operation in 1991 and may be sent to Brazil.

- **Germany Lacks a Research Strategy**
  The consensus among the roughly 200 participants from politics, government, industry, and academia at a German Physical Society discussion meeting chaired by Professor H. Schopper, the GPS President, was that Germany urgently needs an overall long-term strategy for research. The meeting was held near Bonn on 13 November and it involved a general discussion following presenta-
search council

W. Frühwald, President of Germany's re-

tions by Dr. H. Riesenhuber, Minister for Re-

search and Technology (BMFT), Professor W. Frühwald, President of Germany's re-

search council (Forschungsgemeinschaft), Professor H.P. Zacher, President of the Max-

Planck-Institut, and members of the parlia-

mentary sub-committee for science.

Japan's MITI was held up as a possible model for coordinating funding and it was felt that discussion should be extended to eco-

nomic and political circles. Another conclu-

sion was that the BMFT does not in fact spent 40% of its budget on basic research as research is usually mixed up with techni-

cal development. While the responsibility for basic research clearly lies at the federal level, the universities "fall between two chairs" since they are supported by both federal and state government. Hence concern about the impact of the BMFT's decision not to extend its 2000 MDM university renewal programme.

Proceedings
Third European

Particle Accelerator Conference (EPAC'92)

Berlin 24-28 March 1992
Vols. 1 and 2 (1760 p. in total)
Editors: H. Henke, H. Homeyer & C. Petit-Jean-Genaz
Price: SFR 340.-

Directory of

Physics Institutes in Central Europe

By: E.W.A. Lingeman
EPS Committee for East-West Coordination
Price: SFR 120.-

Orders: EPS Secretariat, Geneva

EPS Notices

- ERC Proposals Sought

The Steering Committee of the European Research Conferences aims to finalise 1993 physics ERC's at its next meeting in January 1993. K. Bethge who chairs the EPS Working Group on ERC's would like to propose suggestions for 1994 ERC's to the Committee at the meeting. He has written to the Divisions and Groups asking them to suggest titles, dates, location, chairperson, and frequency (annual or biannual) by mid-January 1993. Please contact a Division or Group chairperson if you wish to have a proposal considered.

- Secretariats

Gero Thomas, the Executive Secretary, will be based full time in Geneva from 1 January 1993. The Society's two full-time staff mem-

bers in Budapest (Maria Lázár and Judith Török) will continue as at present. The Geneva Secretariat will have Edit Thomas as the asso-

ci-tant to Gero Thomas and Peter Boswell (who mainly edits Europhys-

ics News). Christina Boulind will continue to be the Staff Editor of Europhysics Letters and to administer the student mobility scheme; Edit Thomas is the replacement Staff Editor and Alica Rowe mainly handles routine aspects. Nadia Sarteur is engaged half-time to do accounts and to help Cornelia Heschel provide general back-up.

The Secretariats' work will be divided up as follows:

- Governing bodies, prizes (G. Thomas); Divisions (M. Lázár).
- Action Committee follow-up: ACAPPI (G. Thomas), Conferences (E. Thomas), Physics & Society (G. Thomas), Publications (P. Boswell), EWCC (G. Thomas).
- Task forces: finance & constitution (G. Thomas), student mobility (C. Boulind), professional qualifications (P. Boswell).
- Associate Members: enquiries (P. Boswell); admin. (E. Thomas).
- Individual Members: subscriptions & enquiries (M. Lázár).

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Unit Fee Increase to be Proposed

According to Rule 34 of the EPS Constitution, the Executive Com-

mittee is obliged to submit to all Ordinary Members any proposal to increase the unit fee. This must be done at least three months before placing the proposal before the next Council (in Nice in March) so that IOM's can consult their Delegates.

The Executive decided at its 11 November meeting to propose an increase of the unit fee from SFR 13.50 to SFR 15.00 (an 11.1% increase) effective from 1 January 1994. Most of the increase repre-

sents adjustment for inflation in Switzerland, estimated at 7.5% for the two-year period starting from the date of the last increase (1 January 1992). The remainder (3.6%) is to allow just over SFR 30 000.- to be set aside for priority actions run independently of the Secretariat by committees, etc.

Fee Reduction

Council by a mail ballot has unanimously decided to amend Rule 35a) of the EPS Constitution as follows:

Ordinary Members shall pay annual fees as follows:

a) Individual Ordinary Members, 8 units per Individual Constitution Article 4a) Ordinary Member

The rule change, which takes effect on 1 January 1993, means that the annual fee for an IOM who is not a member of either a National Society or a Collaborating Society (i.e., an Article 4a member) will decrease from SFR 162.- to SFR 108.-. It has been felt for some time that the relatively high 4a) fee discriminated against those who for professional reasons choose not to belong to other societies.