

ESP Scholarships for 1979/80

First List

The aim of the EPS Scholarships Programme is to provide an opportunity for advanced doctoral students or young post-doctoral fellows to undertake studies and research in a European university or research centre outside their own country. EPS Scholarships enable them to enlarge their experience and at the same time promote the flow of ideas and the movement of physicists from one centre of learning to another.

Scholarships are open to all young physicists who are working towards their PhD or who have received their PhD within the past five years, and whose nationality is that of a country which has a national society as a member of EPS.

Universities or institutes putting scholarships at the disposal of EPS define the subjects of specialization to which they apply, and the conditions of tenure. Normally scholarships will be valid for one academic year but may be extended on receipt of a new application. Remuneration corresponds to that received by equivalent research students working at the same centre; help with travelling may be possible.

Applications are made to the EPS Secretariat and are considered by a special committee. The final word rests, of course, with the organization offering the scholarship and it is helpful (but not absolutely essential) if some direct contact is established between the applicant and the professor under whom he will be working, either before or when the application is made.

In the accompanying table are published the first scholarships for 1978/79 that have been confirmed to the Secretariat. Further lists will be published in *Europhysics News* as information is received. Dead-lines for applications have not yet been fixed, but candidates are advised to make their provisional application to the EPS Secretariat as soon as possible.

Institutes in Poland

Institute of Experimental Physics of the University of Warsaw (8)

Institute of Theoretical Physics of the University of Warsaw (a) (1, 2, 3, 4, 7)

Institute of Astronomy of the University of Warsaw (b) (23)

Institute of Experimental Physics of the University of Wrocław (c) (10, 13, 16)

Institute of Physics of the Jagellonian University, Cracow (2, 7, 8, 9, 10, 13, 15, 18, 24)

Institute of Physics of Gdańsk University (19, 21)

Institute of Physics of Gdańsk Technical University (11)

Institute of Physics of Silesian Technical University, Gliwice (22)

Institute of Nuclear Physics and Technics of the Academy of Mining and Metallurgy, Cracow (11, 12)

Institute of Physics of the Polish Academy of Sciences, Warsaw (4, 10, 11, 14, 17, 20)

Institute of Low Temperatures and Structural Investigations, Wrocław (5, 6, 11, 12, 14)

Institute of Nuclear Physics, Cracow (1, 2, 9)

Institute for Nuclear Research, Otwock-Swierk (1, 2, 8)

a = after PhD

b = one year if before PhD,
few months if after

c = before PhD

Key to the subjects indicated in brackets above is given in the adjoining column.

Theoretical physics

1. nuclear structure
2. elementary particles and high energy physics
3. field theory
4. solid state physics
6. theory of metals
6. theory of magnetism and phase transitions
7. mathematical physics

Experimental physics

8. nuclear low and high energy physics
9. Mossbauer spectroscopy and hyperfine interactions
10. magnetics, ferroelectrics
11. magnetic, electric and optical investigations of solid state
12. phase transitions
13. electronic structure of metals and alloys and electronic shells in atoms
14. crystals and their defects
15. liquid crystals
16. surfaces of metals
17. semiconductors
18. radiospectroscopy
19. laser spectroscopy, quantum optics
20. Josephson effect
21. molecular acoustics
22. hypersonic investigations of solid state

Astrophysics

23. relativistic astrophysics, high energy astrophysics, theory of star evolution

Experimental methods

24. nuclear electronics and semiconductor detectors

Institutes in Romania

Institute for Physics and Nuclear Engineering, Bucharest

Theoretical physics (high energies and elementary particles, nuclear physics, solid state physics); heavy ion physics; research and technological engineering for nuclear methods; radioisotopes; nuclear medicine, radiobiology.

Institute for Physics and Technology of Materials, Bucharest

Mechanics of solids; semiconductors, ferroelectrics, piezoelectrics, superconducting materials.

Institute for Physics and Technology of Radiation, Bucharest

Lasers, optics and plasma physics; vacuum techniques; accelerators

Institute for Molecular Technology and Engineering, CLUJ

Centre for Astronomy and Space Sciences, Bucharest

Centre for Earth Physics, Bucharest

Centre for Technical Physics, IASI

At none is a PhD necessary, but it is preferred.

Institute in Switzerland

University of Geneva (after PhD)

Field theory; elementary particles; statistical mechanics; solid state theory;

superconducting materials; elastic and transport properties of metals; magnetic resonances; physical metallurgy; high energy experiments; nucleon-nucleon scattering; electronics.

UNIVERSITY OF OXFORD University Lecturership in Elementary Particle Physics

Applications are invited for the above post. Stipend according to age on the scale (under review) £ 3,883 - £ 8,257. The successful candidate may be offered a tutorial fellowship by Balliol College (for either a man or a woman). Details of both appointments may be obtained from Professor K.W. Allen, Department of Nuclear Physics, Keble Road, Oxford OX1 3RH, to whom completed applications (one typed copy) and the names of 3 referees should be sent by 31 January 1979.