

RECRUITMENT

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University of Cambridge Faculty positions in the Department of Physics, Cavendish Laboratory

Two Readerships and Three University Lectureships

Applications are invited from Experimental and Phenomenological Particle Physicists

As part of a strategy to invest in new research areas and to support areas of excellence, the Cavendish Laboratory is engaging in a search for staff with outstanding research records at the level of Lecturer, Reader, and Professor, in all areas of physics.

Applications are now invited for two Readerships and three University Lectureships in the Department of Physics.

We expect that some of these positions will be used to support a major thrust in the physics of quantum systems, viewed broadly to include optical physics, atomic physics, and condensed matter physics. We are also searching for strong candidates in experimental and phenomenological particle physics, and in experimental astrophysics. These posts are additional to three recently advertised positions in experimental quantum condensed matter, bio-medical, and soft matter physics.

Appointments to the Readerships will be to the retiring age and to the University Lectureships will be for a probationary period of five years, with appointment to the retiring age thereafter. The pensionable stipend for a Reader is £47,262 per annum, and for a University Lecturer is on the scale £25,565 to £39,452 per annum.

Appointments will be from 1 October 2006 or as soon as possible thereafter.

Further details of the opportunities in particle physics may be obtained from Professor Janet Carter (e-mail: jrc1@hep.phy.cam.ac.uk).

Applications, including a curriculum vitae, a statement (up to six pages) of research experience to date and of research plans for the future, the names and contact details of three referees, and a completed form PD18 (available at <http://www.admin.cam.ac.uk/offices/personnel/forms/pd18/>) should be sent to the Head of Department, Professor P.B. Littlewood, Cavendish Laboratory, JJ Thomson Ave, Cambridge CB3 0HE, UK (e-mail: hod@phy.cam.ac.uk) by 30 April 2006.

The University is committed to equality of opportunity.



YOUR STANDARD
FOR DATA CONVERSION

Acqiris is a Swiss company founded in 1998 by a group of dynamic individuals with extensive experience in the electronic test and measurement markets. We specialize in the development, design, and manufacture of high-speed and high-precision digitizers. Since the introduction of its first products in 1999, Acqiris has entered market segments ranging from fundamental research to product development at laboratories, universities, industry, and OEMs.

We have an immediate opening in our Geneva headquarters for a

SOFTWARE DEVELOPER

- Higher degree in Computer Science, Physics, Electronics Engineering or equivalent
- Experience in C++ software development
- Experience with instrumentation hardware and software
- Previous experience in high-frequency and/or high-resolution electronics would be an advantage
- Fluency in French and English
- Enthusiasm for working in a small multidisciplinary team

The software development tasks will mainly concern the development and maintenance of the device drivers for new products.

If you believe your motivation and experience would be an asset in our challenging environment, please send us a letter with a resume to:

Acqiris (Suisse) SA - Human Resources
18, chemin des Aulx, 1228 Plan-les-Ouates, Switzerland
Email: human.resources@acqiris.com

Visit us at www.acqiris.com and find out more about our company.



Postdoctoral Position at Syracuse University

The Syracuse University High Energy Physics group seeks to fill a Postdoctoral position involving activities within the VELO group in LHCb and the RD50 collaboration, both related to the installation and commissioning of the VELO detector and R&D towards novel Si precision tracking devices for future LHC upgrades. The work will be done mostly at Syracuse with possible stays at CERN. The Syracuse group is also involved in the CLEO-c experiment, thus physics analysis opportunities are available. The Syracuse group includes four faculty, two research faculty, two PostDocs and six graduate students.

Interested candidates should send their CV and arrange for three letters of recommendation to

Prof. Sheldon Stone
(stone@physics.syr.edu),
Syracuse University,
Physics Dept.,
201 Physics Bldg.,
Syracuse,
NY 13244-1130.

Deadline for applications is April 30th

Syracuse University is an Affirmative Action/Equal Opportunity Employer

Rheinische Friedrich-Wilhelms-Universität Bonn



The Institute of Physics in the Faculty of Mathematics and Natural Sciences at the University of Bonn, Department of Physics and Astronomy, seeks to fill the position of a

Professor (W2) for Experimental Physics (Particle Physics)

starting **1 October 2006**.

With this professorship the Department of Physics and Astronomy intends to strengthen the experimental particle physics research field. University research groups are involved in experiments at the LHC (CERN), at HERA (DESY) and at the TEVATRON (Fermilab). Candidates should have an international standing and have experience in the design, development and construction, as well as the analysis of data from accelerator experiments in high energy physics. Active participation in an LHC experiment would be very welcome. Applicants should be able to teach all aspects of particle physics. Teaching duties also include courses for science students from other disciplines.

Appointments follow the rules and regulations of the Universities of Northrhine-Westphalia. The University of Bonn aims at increasing the fraction of female staff and encourages women to apply. Equally qualified but disabled candidates will be appointed preferentially.

Applications including the usual professional documentation should be sent to the **Head of Department of Physics and Astronomy, Endenicher Allee 11-13, D - 53115 Bonn, Germany**. The deadline is **15 April 2006**.



Faculty Position in Accelerator Physics

The National Superconducting Cyclotron Laboratory at Michigan State University is seeking outstanding candidates to fill a faculty position in accelerator physics. The successful candidate should provide a significant increase in the scope and depth of the MSU accelerator physics program, play a leadership role in developing future facility upgrade options, and contribute to the accelerator physics graduate education program at MSU.

The NSCL is the premier rare isotope facility in the U.S. The Laboratory has the tradition of close interaction between groups providing an ideal mix of cutting-edge technical infrastructure and an intellectually stimulating open academic environment.

The accelerator physics group is comprised of 2 faculty and 9 professional scientific staff. Accelerator physics R&D has strong infrastructure support from experienced design and manufacturing groups. A strong program of R&D in superconducting rf technology has been developed with necessary facilities in place. Theoretical and experimental research on space charge dominated beams is being pursued. A strong program on linac and cyclotron design for basic research and medical applications have been a core activity in the laboratory for many years.

Depending upon the qualifications of the successful applicant, the position can be filled at the assistant, associate, or full professor level. Applicants please send a resume, including a list of publications, and the names and addresses of at least three references directly to

Professor Richard York, Associate Director for Accelerators, National Superconducting Cyclotron Laboratory, Michigan State University, 1 Cyclotron, East Lansing, MI 48824-1321. For more information, see our website at <http://www.nsl.msu.edu>.

Michigan State University is an Affirmative Action/Equal Opportunity institution. Women and minorities are especially encouraged to apply.

SNS NEUTRON FACILITIES DEVELOPMENT DIVISION DIRECTOR

The Spallation Neutron Source (SNS) at the Oak Ridge National Laboratory invites applications for Neutron Facilities Development Division Director. SNS will be the most powerful short-pulse spallation neutron source in the world. This unique facility will provide opportunities for up to 2000 researchers each year from universities, national labs, and industry for basic and applied research and technology development in the fields of materials science, magnetic materials, polymers and complex fluids, chemistry, and biology. Funded by the U.S. Department of Energy's Office of Science, SNS will begin operations in June 2006.

Successful candidate provides strategic leadership for and overall management of the Neutron Facilities Development Division to support the continuing development of neutron science experimental facilities through R&D, development of new accelerator and neutron technology, and the successful management of new projects for the directorate.

Successful candidate will have a PhD in engineering, physics, materials science, or related discipline with at least 5 years of experience in neutron science related R&D and/or project management or an equivalent combination of education and/or experience required. Proven ability to manage a diverse R&D organization including working knowledge of management protocols required. Recognized leadership in managing complex projects necessary and knowledge of DOE project management requirements desired. Demonstrated achievements in promoting collaborative relationships and building research teams required.

Qualified and interested candidates must submit a current resume with a list of three references to the Oak Ridge National Laboratory Employment Opportunities web site (www.ornl.gov and select jobs) to ensure consideration. For a complete job description and more information about the Spallation Neutron Source Project please refer to our web site at www.sns.gov.

ORNL, a multiprogram research facility managed by UT-Battelle, LLC, for the U.S. Department of Energy is an equal opportunity employer committed to building and maintaining a diverse work force.



BESSY operates one of the world's most modern synchrotron radiation sources for VUV and soft X-rays.

To participate in our Free Electron Laser project we are seeking a

Ph.D. Physicist

(Ref. number FEL-SRF-3)

You will focus on the development and improvement of critical components for superconducting accelerator moduls, including the Piezo tuner and rf-control system. These systems then need to be evaluated in the cryogenic test facility HoBiCaT. The results also represent an important contribution to the development of other international accelerators.

Experience with radio-frequency devices, especially superconducting cavities as well as feedback systems are advantageous. We expect a team player with the ability to collaborate with international research groups.

Informal enquiries should be directed to Dr. Jens Knobloch, e-mail: Jens.Knobloch@bessy.de, tel: +49-30-6392-4883.

The initial appointment will be for 3 years and is financed by the EUROFEL Project. The salary will be based on the German Federal employment scale TVöD-O. Women are especially encouraged to apply. Handicapped persons will be given preference over other applicants with the same qualifications.

To apply, please send a cover letter quoting the reference number above, and provide a curriculum vitae, a publication list and contact details of referees to:

**Berliner Elektronenspeicherring-Gesellschaft
für Synchrotronstrahlung m.b.H. (BESSY)
- Personalverwaltung -
Albert-Einstein-Str. 15, 12489 Berlin, Germany**



POSTDOCTORAL POSITIONS

EXPERIMENTAL/COMPUTATIONAL CONDENSED MATTER PHYSICS

Applications are invited for one or more post-doctoral research positions in experimental/computational condensed matter physics. The successful candidate will develop advanced software for the analysis and modeling of x-ray and neutron scattering experiments to study the structure of complex and nanostructured materials. They will also be expected to apply the software to interesting problems in nanoscience. Applicants with a strong background in x-ray or neutron scattering and computational physics are particularly encouraged to apply. Experience in the use and development of Rietveld structural refinement codes is desirable. Review of applicants will begin after June 15th 2006 and continue until the position is filled. Candidates must have a Ph.D in Physics, Materials Science, Chemistry or a related field.

Please send applications, including a vita, statement of research interests, copy of one of your papers and at least two letters of recommendation, to

**Prof. Simon J. L. Billinge, Department of Physics and Astronomy,
Michigan State University, East Lansing, MI 48824.**

More information about the research can be found on the group web-page at <http://nirt.pa.msu.edu/>.

Michigan State University is an affirmative action/equal opportunity institution. Women and minorities are especially encouraged to apply. Persons with disabilities have the right to request and receive reasonable accommodations.



DESY is world-wide one of the leading accelerator centres exploring the structure of matter. The main research areas range from elementary particle physics over various applications of synchrotron radiation to the construction and use of X-ray lasers.

Particle accelerators generate highly intense radiation for many innovative applications. After the reconstruction of the PETRA storage ring into a 3rd generation synchrotron radiation source and the construction of the free electron laser (VUV-FEL and XFEL) DESY will be one of the most interesting places for research with photons worldwide. These new sources will open fascinating possibilities for the research at nano scales by using extremely focussed photon beams and by exploiting the coherence properties of the sources. We are looking for a

Physicist (Ph.D.)

for the development of innovative X-ray optics. The job profile covers the development of prototypes and specifications of beamline optical components.

You are an expert in the field of X-ray optics and diffraction physics. Further you have experience in the design and operation of beamlines at modern synchrotron radiation sources. You are open for innovative solutions. In a team oriented working environment you have demonstrated leadership capabilities. Please send your complete application papers by indicating the reference code to our personnel department. For further information, please contact Dr. U. Hahn on +49 40/8998-3807.

The position is limited to 3 years with the possibility of conversion into an unlimited contract.

Salary and benefits are commensurate with public service organisations. DESY operates flexible work schemes, such as flexitime or part-time work. DESY is an equal opportunity, affirmative action employer and encourages applications from women. DESY has a Kindergarten on site.

Deutsches Elektronen-Synchrotron DESY

member of the Helmholtz Association

code: 29/2006 • Notkestraße 85 • D-22603 Hamburg • Germany

Phone: +49 40/8998-3392 • www.desy.de

email: personal.abteilung@desy.de

Deadline for applications: April 26, 2006



POSTDOCTORAL POSITION NUCLEAR THEORY

A postdoctoral position is available in nuclear theory in the Department of Physics of Kent State University beginning in Summer 2006.

Initial appointment is for one year with possible renewal for a second.

The successful candidate will pursue vigorous theoretical research in the area of RHIC and LHC physics, using tools like perturbative QCD in the nuclear environment.

Applicants should send a resume, including a list of publications and arrange for three letters of references to be sent to

Dr. George Fai, Department of Physics, Kent State University, Kent, OH 44242.

You must also apply online by visiting the KSU website: <http://jobs.kent.edu>.

Your application must be submitted online in order to be considered for this position.

You may include any attachments you find necessary.

Review of applications will begin April 15, 2006.

KSU is an equal opportunity/affirmative action employer.



THE UNIVERSITY
of LIVERPOOL

Department of Physics

Professor of Experimental Astroparticle or Particle Physics

Salary negotiable

The University of Liverpool invites applications for a Chair to lead a new research activity in experimental astroparticle or particle physics. To allow establishment of this new research line, we anticipate a further position to support this post.

The Department currently has research groups in Condensed Matter, Nuclear and Particle Physics. The Particle Physics Group is one of the largest in the UK and enjoys leadership roles in the analysis of data from the BaBar, CDF and H1 experiments. In addition to LHC physics simulation (where heavy use has been made of the MAP-2 940 CPU Processor farm), the group has taken major responsibilities in the design, development, prototyping, testing, production and commissioning of the silicon detectors for ATLAS and LHCb, using the unique facilities of the Liverpool Semiconductor Detector Centre. In addition to high profile roles in both LHC projects, it leads the development of radiation hard sensors for upgrades of both experiments. It also leads the UK programme to develop vertex detector technology for the International Linear Collider. The neutrino programme centres around the design of the near detector for T2K and prototyping for MICE. The group is particularly looking to strengthen its non-LHC programme and would welcome applicants looking to lead new projects in either experimental astroparticle or particle physics.

For information about the Department visit <http://www.liv.ac.uk/physics>
Informal enquiries to Professor Paul Nolan, email: p.j.nolan@liv.ac.uk or
Professor Phil Allport, email: allport@cern.ch

Quote Ref: B/702/CERN

Closing Date: 28 April 2006

For full details, or to request an application pack visit
www.liv.ac.uk/university/jobs.html or email: jobs@liv.ac.uk
Tel: 0151 794 2210 (24 hour answerphone)
Please quote Ref: in all enquiries

COMMITTED TO DIVERSITY AND EQUALITY OF OPPORTUNITY



Universität Karlsruhe (TH)

Forschungsuniversität · gegründet 1825

The CMS group of the interdisciplinary Center for Elementary Particle Physics and Astroparticle Physics CETA has openings for two research associate positions.

Postdoctoral Research Positions in CMS

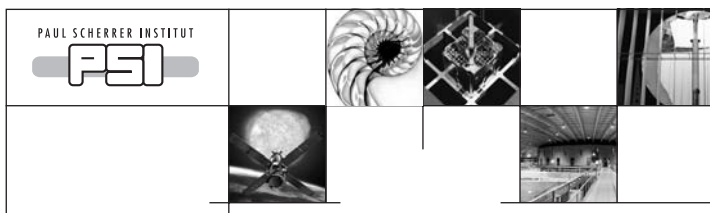
The successful candidates will participate in the physics analysis of the data taken with the CMS experiment. As technical contribution to the project, one position is dedicated to grid computing at the interface between the German Tier 1 center GridKa, the CMS experiment and our CMS group in Karlsruhe. The other position is dedicated to the commissioning of the CMS tracker at CERN. Both appointments begin July 1st 2006 and have a term of three years with the possibility of an extension.

CETA includes about 150 scientists at Karlsruhe University and Forschungszentrum Karlsruhe. We take leading positions in particle phenomenology, astroparticle physics, the German center for grid computing GridKa, and in an extensive collider physics programme, to which this announcement is directed. Our main activities in this field are the KLOE experiment at Frascati, the Babar Experiment at SLAC, the CDF experiment at Fermilab, the CMS experiment at CERN and preparations for the International Linear Collider, ILC. Information about CETA can be found at <http://www.ceta.uni-karlsruhe.de>

Applicants should have a PhD in particle physics. We expect appropriate experience in detector or software development and in data analysis. Successful candidates will participate in teaching at the University.

The University is an equal opportunity employer and welcomes applications from women. Handicapped applicants will be treated preferentially if equally qualified.

The application must include a curriculum vitae, a statement of research interests and the names and addresses of three referees. Please send the information before March 31, 2006, preferably as a single email attachment in Adobe Acrobat Portable Document Format to weissman@ekp.uni-karlsruhe.de or by mail to Prof. Th. Müller, Institut für Experimentelle Kernphysik, Universität Karlsruhe (TH), D-76128 Karlsruhe, Germany.



The Paul Scherrer Institut is a centre for multidisciplinary research and one of the world's leading user laboratories. With its 1200 employees it belongs as an autonomous institution to the Swiss ETH domain and concentrates its activities on solid-state research and material sciences, elementary particle and astrophysics, energy and environmental research as well as on biology and medicine.

High-intensity meson and neutron beams are produced at miscellaneous experimental facilities at PSI, using the world's most powerful proton accelerator. For the continuing upgrade and the extension of the facilities and for the work on scientific aspects of the disposal of radioactive components, the department Accelerator Facilities and Systems is looking for a

Nuclear or Elementary-Particle Physicist

Your task

You will calculate particle transport and nuclide production for the design of new facility components and shielding, for the study of radiation-protection related problems and for the disposal of radioactive waste components. To characterize the proton and neutron fields up to 600 MeV, you use well-known Monte-Carlo codes which you will complement with your own problem-specific routines. You keep abreast of the field by attending international symposia and develop new concepts for the advancement of the calculational methods and their validation within a small team.

Your profile

You are a nuclear or elementary-particle physicist with a good command of Fortran and several years of experience in the use of worldwide accepted particle transport codes (e.g. MCNPX, FLUKA). With your expert knowledge you understand the underlying physical processes. In addition, you have experience in the field of neutron and photon detection. You have the capability to introduce new ideas and define objectives. As a team-oriented and communicative person you enjoy working in an interdisciplinary group. You act independently, show initiative and have a cooperative and practice-oriented personality. Your profile is completed by a good knowledge of English and German and your willingness to work in radiation-controlled zones.

We are looking forward to your application.

Dr Gerd Heidenreich,
Ph. +41 (0)56 310 35 84,
E-Mail: gerd.heidenreich@psi.ch
Dr Sabine Teichmann,
Ph. +41 (0)56 310 43 75,
E-Mail: sabine.teichmann@psi.ch
will be happy to answer your questions.

Please send your written application to:
Paul Scherrer Institut
Human Resources
Mr. Thomas Erb, ref. code 8590
5232 Villigen PSI, Switzerland
www.psi.ch



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**UK
Astronomy Technology Centre**

Head of Innovation
£34,900-£42,000 pa

The UK Astronomy Technology Centre is the national centre for the design and production of world leading astronomical instruments. We have an exciting new opportunity for an exceptional engineer or scientist to work across the boundaries of academic science and industry working at the cutting edge of technology.

As our Head of Innovation, you will be responsible for managing a team identifying and developing new ideas and technologies that have applications in industry and elsewhere to the benefit of the UK economy and scientific community.

For full information about this position and the UK ATC visit us at
<http://www.roe.ac.uk/ukac> or www.physicsweb.org/jobs



Postdoctoral Position in Experimental Low- Energy Particle Physics at Indiana University



The Nuclear Physics group at Indiana University is seeking a strongly motivated experimentalist for a postdoctoral position, available immediately. The successful applicant will be expected to be actively involved in low-energy, "table top" particle physics experiments: a new search for the electric dipole moment of the electron using a paramagnetic solid sample; and development of a solid-oxygen based source of ultracold (neV) neutrons for fundamental physics measurements. Responsibilities will involve several aspects of each project, ranging from design and construction tasks to data acquisition and analysis, making use of techniques from cryogenics, condensed matter and neutron physics, and high-voltage and low-noise electronics. Experience in one or more of these techniques is preferred but not essential.

Initial appointment will be for one year, with possible renewal for up to two additional years. A Ph.D. in experimental physics is required. Applications will be accepted on a continuing basis until the position is filled. Applicants should submit a CV and a statement of research interests, and arrange to have three letters of recommendation sent to:

Prof. C-Y Liu
Indiana University Cyclotron Facility
2401 Milo B. Sampson Lane, Bloomington, IN 47408
tel: 812-855-2896, fax: 812-855-6645 or electronically (preferred)
to CL21@indiana.edu.



*Indiana University is an Equal
Opportunity/Affirmative Action
Employer, with a strong commitment
to excellence through diversity.*





**UNIVERSITY OF
OXFORD**

Wykeham Professorship of Physics

Applications are invited for the above post, tenable from 1st October 2006, or such later date as may be arranged. A non-stipendiary fellowship at New College is attached to the professorship. The Wykeham Professorship of Physics is held in the Department of Physics in the Sub-Department of Theoretical Physics.

The University seeks to appoint a person with a record of internationally esteemed research in Theoretical Physics, in an area that overlaps and enhances the current research in the Sub-Department, and who, through leadership and the distinction of his or her contribution to the field, will ensure the continuing pursuit of excellence in teaching and research in Theoretical Physics at Oxford, and its wide recognition outside.

Further particulars, including details of how to apply, are available from <http://www.admin.ox.ac.uk/fp/> or from the Registrar, University Offices, Wellington Square, Oxford OX1 2JD (tel. (01865) 270200). The closing date for applications is 8th May 2006.

The University is an Equal Opportunities Employer.

cerncourier.com

DIRECTOR OF TRIUMF



TRIUMF is Canada's national research facility for particle and nuclear physics. We are located on the campus of the University of British Columbia, and are operated by a national consortium of universities, and funded by a contribution from the National Research Council of Canada. TRIUMF is a leader in particle and nuclear physics and accelerator development in Canada and abroad, through international partnerships. At TRIUMF, a 520 MeV H⁻ cyclotron provides beam to a large number of experimental facilities including an advanced new radioactive beam facility, ISAC. Our facility provides key infrastructure support for the Canadian Particle Physics program as well as for leading research programs in molecular and materials science and life sciences. TRIUMF employs 375 scientists, engineers, technicians, and general staff and some 400 scientists visit from institutions worldwide to conduct experiments.

THE DIRECTOR will have the overall responsibility for the operation and development of TRIUMF and its program of science at the national and international level, as well as the authority for critical decisions involving the securement and management of the total operating budget, the safety of all workers, and changing or implementing policies, internal systems and programs.

The successful candidate will have a proven track record for attracting operational and capital funding for research projects; demonstrated leadership abilities, insight and vision; and an outstanding international research record. In addition, he/she will have achieved international stature in the fields of particle and nuclear physics and in the organization of activities related thereto. Qualifications include experience with the administrative and financial matters associated with a multi-million dollar project; strong communication, interpersonal, negotiating and relationship building skills; and an advanced degree in a physics related discipline with at least 15 years experience in a senior role.

The Director position is subject to a five-year initial appointment that is renewable. This position is available May 1, 2007. Additional information about TRIUMF can be found at <http://www.triumf.info/public/> and a more detailed description of the position can be found under "Employment Opportunities" **Competition No. 995**. Salary will be commensurate with responsibilities. Please note the position is open to all qualified applicants, and in the case of equal qualifications, preference may be given to a Canadian Citizen or Permanent Resident.

Applications should be addressed to: **Dr. Pekka Sinervo, Chairman of the Search Committee, c/o Office of the Dean, Faculty of Arts and Science, University of Toronto, 100 St. George Street, Toronto, ON, M5S 3G3.**

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ESO

European Organisation
for Astronomical
Research in the
Southern Hemisphere



Eso operates the La Silla Paranal Observatory in Chile, and is the focal point for Europe's participation in the ALMA consortium, which is constructing a large submillimetre array in the Chilean Andes. ESO is opening the following management positions of

Associate Director

The primary purpose of this position is to support and assist the Director General in the discharge of his/her duties. The Associate Director reports directly to the Director General and is required to work closely with Division Heads and other senior staff in the Organisation. She/he shall carry out such tasks as requested or delegated by the Director General which shall include, but not be limited to, responsibility for:

- providing the Director General with briefing material and appropriate analysis on any matter which could have implications for the operation of ESO
- the management of the Council secretariat
- the management of the ALMA Board and European ALMA Board business, and specifically acting as ALMA Board Secretary when the Chair is nominated by ESO.

An appropriate professional qualification as well as substantial management and leadership experience within a scientific organisation, preferably international, are required. Excellent communication skills and a very good knowledge of English are essential.

Senior Astronomer - Director of the La Silla/Paranal Observatories

The Director responsible for the Observatories on La Silla, Paranal and APEX will lead a multi-disciplinary team and act as a link between User Community, the Director General and the Observatories. She/he will in particular be responsible for:

- the continuation, creation and implementation of scientific and technical policies for the operation of the Observatories in accordance with ESO's overall policy
- the management of the Observatories and their staff members through the definition and implementation of goals and objectives
- the Observatories' budget
- the representation of all Observatories in the science community, public and public relations (e.g. media support, exhibitions, presentations etc.) in close interaction with ESO's Representative in Chile and the Public Affairs Department.

The Director of the Observatories reports directly to the Director General. The Staff of the Observatories presently consist of about 70 International and 150 Local Staff Members who work in groups or teams. As a Senior Astronomer the Director of the Observatories is a member of the ESO Science Faculty and is expected and encouraged to actively conduct astronomical research. She/he should foster the participation and integration of the scientists of the Observatories in the ESO Faculty and in the Office for Science in Santiago.

Basic requirements for the position include a PhD in astronomy, astrophysics or physics, or related fields, substantial and long or equivalent experience in management and leadership preferably gained within multinational scientific organisations. A proven record in astronomical systems such as instruments, large optical telescopes or systems of equivalent complexity as well as an outstanding record of astronomical research and international scientific collaborations are required. Initiative, ability to judge, to decide and to work with people of different nationalities as well as excellent communication skills are essential. The position requires a very good knowledge of English and a working knowledge of Spanish or willingness to learn it.

As members of the ESO Management both job holders contribute directly to the development of the overall policy, the strategic planning, and maintain professional contacts at highest level outside the Organisation.

For details and to download an application form, please consult our homepage: <http://www.eso.org>. If you are interested in working in areas of frontline technology and in a stimulating international environment please send your application in English to:

ESO Personnel Department, Karl-Schwarzschild-Straße 2, D - 85748 Garching near Munich, or e-mail: vacancy@eso.org.

*ESO is an equal opportunity employer.
Qualified female candidates are invited to apply.*

ESO. Astronomy made in Europe



SUMMER SCHOOL & EVENTS

The Fourth International Summer School on Grid Computing 2006

Jolly Hotel delle Terme, Ischia,
Bay of Naples, 9-21 July 2006



Grids underpin the rapidly emerging e-Infrastructure and Cyberinfrastructure. This will transform information-intensive and model-based thinking. It will enable global collaborations to make rapid advances addressing challenges in science, economics, design, engineering and medicine, in fact in all walks of life.

The School will bring together world experts and enthusiastic students. It will examine the conceptual and practical underpinnings of today's grids. Experts will discuss the challenges of building and sustaining e-Infrastructure, report its rapid influence on the way we research, design and make decisions. They will share their vision of the developments and challenges ahead.

The School will include lectures on the principles, technologies, experience and exploitation of Grids. Lectures will also review the research horizon and report recent significant successes. Lectures will be given in the mornings. In the afternoons the practical exercises will take place on the equipment installed at the School site in Ischia, Italy (near Naples). The work will be challenging but rewarding. A social programme will help the students to form lasting friendships.

To support the hands-on laboratory sessions, a testbed will be established that will host widely used middleware produced by projects in the USA, Europe and Asia. The testbed will be connected to major international Grids and provide a rich environment for hands-on learning and experimentation. Exercises and team work will encourage students to learn by using this testbed. Students will be fired with enthusiasm, equipped with practical skills and will leave with many shared experiences, new friends and a new capacity for research into and using advanced distributed computing systems.

The target audience will include enthusiastic young researchers who expect to use or develop grids in their research. We look forward to greeting participants from virtually every continent. Applications are invited from enthusiastic and ambitious researchers who have recently started (or are about to start) working on Grid projects. Students may come from any country. They may be planning to pioneer or enable new forms of e-Infrastructure, to engage in fundamental distributed systems research or to develop new methods in any discipline that depends on the emerging capabilities of e-Infrastructure. In all previous years the School has been oversubscribed. Selection for the School is therefore competitive based on the information supplied on the application form and by an applicant's referee. We expect to accept between 60 and 70 students.

We will be looking for students with commitment and enthusiasm for Grid Research and development. We will expect competence and experience in some aspects of software development, distributed systems, computational systems, data systems and Grid applications. Most students will establish their credentials from academic qualifications, but some will base this on experience. We also welcome as participants educators who are planning to teach Grid computing. The Summer School will be conducted in English, so participants are expected to be comfortable using spoken English. We expect participants from computer science, computational science and any application discipline. The School will assume that students have diverse backgrounds and build on that diversity.

ISSGC 06 Website: <http://www.dma.unina.it/~murli/ISSGC06>. For more information or enquiries email: issgc06@nesc.ac.uk

Deadline for applications is 1 May 2006

EGEE Training Programme

The International Summer School on Grid Computing is one of many Training Events that the EGEE Training Team help deliver. The EGEE Training Team currently offer a highly developed and wide ranging Training Programme. Over the last 2 years, as part of the wider EGEE Project, the Training Team have run more than 250 events with 2500 attendees in locations all over the world and in the next phase of the Project (EGEE II) the Team will deliver a continuing programme of training and services for the next 2 years.

For information on other courses and training material or to register for any events go to: <http://www.egee.nesc.ac.uk/index.html> where there is also the option to enter information about related events you may be running.

Important Forthcoming events include: 22 February 2006: Introduction to e-Infrastructure: Enabling the Research of the Future, London, UK, 27 - 28 February 2006: EGEE User Forum Training event: Geneva, Switzerland.

More information about EGEE: <http://public.eu-egee.org/>



ISSGC 06 Website: <http://www.dma.unina.it/~murli/ISSGC06>

For more information or enquiries email: issgc06@nesc.ac.uk

