

Recruitment

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Accelerators | Photon Science | Particle Physics

Deutsches Elektronen-Synchrotron
A Research Centre of the Helmholtz Association



PARTICLE PHYSICS.

DESY, Hamburg location, is seeking:
Scientist (m/f)

DESY

DESY is one of the world's leading centres for the investigation of the structure of matter. DESY develops, runs and uses accelerators and detectors for photon science and particle physics.

To further strengthen the DESY ATLAS group at the Hamburg site, we are looking for a scientist with experience in detector operation and construction. The ATLAS group participates in the operation of the semi-conductor tracker (SCT) and is strongly engaged in the silicon tracker upgrade for the LHC high luminosity phase. In addition the group is heavily involved in the analysis of the ATLAS data.

The position

- Participate in SCT operation and the silicon tracker upgrade and play a leading role in one of these two areas
- Take responsibility for general tasks of the group and of DESY
- Contribute to the ongoing data analysis

Requirements

- PhD in particle physics
- Established record in detector operation and/or detector construction, preferentially in the area of silicon detectors
- Leadership capabilities

For further information contact Michael Medinnis, phone +49 40 8998-3008.

Salary and benefits are commensurate with those of public service organisations in Germany. Classification is based upon qualifications and assigned duties. DESY operates flexible work schemes. People with disabilities will be given preference to other equally qualified applicants. DESY is an equal opportunity, affirmative action employer and encourages applications from women. There is a bilingual kindergarten on the DESY site.

Please send your application quoting the reference code, also by email, to:
Deutsches Elektronen-Synchrotron DESY
Human Resources Department | Code: EM055/2013
Notkestraße 85 | 22607 Hamburg | Germany
Phone: +49 40 8998-3392 | Email: recruitment@desy.de
Deadline for applications: 15th June 2013
www.desy.de

The Helmholtz Association is Germany's
largest scientific organisation.
www.helmholtz.de



The Karlsruhe Institute of Technology (KIT) is the result of the merger of the Universität Karlsruhe (TH) and the Forschungszentrum Karlsruhe. It is a unique institution in Germany, which combines the missions of a university with those of a national research center of the Helmholtz Association. With 9.000 employees KIT is one of the largest research and education institutions worldwide.

In the **Department of Electrical Engineering and Information Technology** of the Karlsruhe Institute of Technology the

Professorship (W3) for Detector Technology and ASIC Design combined with the position of a

Founding Director of the KIT ASIC and Detector Laboratory

is to be filled as soon as possible. The professorship is located at the Institute for Data Processing and Electronics.

We are looking for distinguished scientists with outstanding scientific credentials, experience in leading scientific groups and excellent didactical skills. Experience in the instrumentation of large-scale research experiments is an advantage.

Applicants should have experience in several of the following fields:

- Highly integrated mixed-signal CMOS technologies
- Monolithic Active Pixel Sensors (MAPS) or alternative sensor concepts
- 3D integration and packaging and interconnect technologies for detector instrumentation
- Applications of the aforementioned technologies in large-scale experiments of particle astrophysics, particle physics, in the research with photons, neutrons and ions as well as in optics and photonics, medical imaging etc.

The appointee will build-up the ASIC and Detector Laboratory and boost the development of innovative detector technologies. He/She will be able to draw on the infrastructure of the institute, in particular the clean-room with the packaging and interconnect facilities, workshops and the CAD-design office. The position offers an excellent research environment with many opportunities for collaboration within the department and other structures of KIT. This includes the KIT Center of Elementary Particle Physics and Astroparticle Physics (KCEPA) and the DFG graduate school KSETA. Participation in the programs of the Helmholtz Association and committed collaboration with the partners of the Helmholtz Portfolio "Detector Technologies and Systems Platform" (Helmholtz Centers, Universities and international partners) is expected.

Participation in the lecture courses of the department is expected. This includes basic courses like "Design of analog and digital circuits" as well as block courses within KSETA.

Applicants must have the degree of Habilitation or demonstrate equivalent scientific qualifications as well as experience in teaching.

KIT aims to increase the number of female professors and especially welcomes applications from women. Handicapped persons with equal qualifications will be preferred. Conditions of Employment: § 47 of the Landeshochschulgesetz (LHG) Baden-Wuerttemberg.

Applications including CV, list of publications, summary of research and teaching activities and prints of the five most significant publications should be sent by **June 14, 2013** to the **Dean of the Department of Electrical Engineering and Information, Karlsruhe Institute of Technology (KIT), Campus South, 76128 Karlsruhe.**

KIT - University of the State of Baden-Württemberg and
National Laboratory of the Helmholtz Association

cerncourier.com



JOINT US-CERN-JAPAN-RUSSIA SCHOOL ON
PARTICLE ACCELERATORS
WILL HOLD A COURSE ON

INTRODUCTION TO PARTICLE ACCELERATORS

23 - 31 OCTOBER, 2013

FOR YOUNG SCIENTISTS AND STUDENTS

Application deadline: 30 June, 2013

Further information and application forms:

<http://www-conf.kek.jp/accschool>

E-Mail: JAS'13@kek.jp

THE FOOT OF MT. FUJI, SHIZUOKA, JAPAN



California Institute of Technology
Software Engineer
Location: Geneva, Switzerland
Open Until Filled

Caltech's High Energy Physics group has a long-standing involvement in the design and development of the computing models in use in the LHC community. In parallel, the group has been pioneering the use of high-speed optical networks for HEP data analysis. Today, we have an opening for an experienced software development engineer to work on integration of advanced networking concepts with the scientific data and workflow management. The new team member will contribute to the development of software related to the use of dynamic circuit networks and pervasive monitoring systems in the software stack of the CMS experiment.

The project is being carried out in collaboration with partner institutes in the CMS and ATLAS experiments; this position is based at CERN, Switzerland.

Job Duties:

- Software development in the framework of the CMS data/workflow management
- Development of algorithms leveraging dynamic circuit APIs work enhancing workflow efficiency
- Integration of network monitoring services (perfSONAR, MonALISA) into data management
- Active participation in collaborations with partner institutes and networks world-wide
- Other duties as assigned.

For full details please go to: www.jobs.caltech.edu and search for position number 130173

*Caltech is an Affirmative Action/Equal Opportunity Employer.
 Women, Minorities, Veterans and Disabled Persons are encouraged to apply.*



School of Engineering and Physical Sciences

Lecturer/Reader in Laser Engineering

Lecturer: £29,451 - £36,298 or £37,382 - £44,607

Reader: £45,941 - £53,233

The School of Engineering and Physical Sciences seeks to recruit a member of academic staff, as part of its strategic development of important research activities in Laser Engineering and Applications. The successful candidate must have the knowledge, drive and breadth of vision to develop the leadership necessary for the achievement of high impact research in laser device physics and engineering. The candidate must have a research record consistent with the level of appointment, evidenced by quality research publications and where appropriate by a track record in securing research grant/contract awards. The candidate should have research interests that align with current Applied Photonics activity in the school, with a particular focus on High Power Laser Development and Industrial Applications.

In addition to research activity, the appointed candidate will be expected to contribute fully to all aspects of School activity, in particular the Physics Bachelors and Masters teaching programmes.

For application details see our website www.hw.ac.uk/jobs or contact the **Human Resources Office, Heriot-Watt University Edinburgh EH14 4AS** tel 0131-451-3022 (24 hours) email hr@hw.ac.uk quoting Ref: 601/13.

Closing date: **31 May 2013.**

Heriot-Watt University is a Charity
 registered in Scotland, SC000278



Distinctly Ambitious
www.hw.ac.uk



The Abdus Salam
**International Centre
 for Theoretical Physics**



Post title:

Associate Officer for Astronomy and Development

Domain:

Natural Sciences

Post Number:

11TSC0864TP

Grade:

P-1/P-2

Organizational Unit:

Office of External Activities, International Centre for Theoretical Physics (ICTP)

Primary Location:

Trieste, Italy

Recruitment open to:

Internal and external candidates

Type of contract:

Fixed-Term

Annual Salary:

US\$ 75000

Deadline

(midnight, Paris time): **24 June 2013**

Overview of the Functions of the Post

Under the direct guidance of the immediate supervisor, the incumbent will help to manage all aspects of the Agreement between ICTP and the International Astronomy Union and its Office of Astronomy for Development (IAU-OAD). He/She will assist in the fund raising activity at the ICTP in this research area. Essential responsibilities include:

- To help to manage all aspects of the Agreement between the ICTP and the IAU-OAD (providing information about the Associates, Visitors, Meetings and Schools programs that are now available to astronomers in developing countries, coordinating the evaluation of proposals and the selection process of Associates, Visitors, Meetings and Schools, and serving as the principal point of contact for these programs).
- To assist the immediate supervisor to coordinate with the IAU-OAD Task Force for Universities and Research on the creation and implementation of innovative and sustainable programs which use Astronomy for Development (such as the Sabbatical Leave program, the Equipment and Laboratory small grant program, grants for the development and implementation of innovative Undergraduate Astronomy courses and laboratories in developing countries, Technology Internships for training in the use of instrumentation and software, and the establishment of Twinning or cooperative Networks between University-level institutions in developing and developed countries).
- To help in the development of a system for evaluating the outcomes of the ICTP-IAU collaboration.
- Whenever required, to help to develop and teach courses on astrophysical algorithms and databases as part of the ICTP/SISSA High Performance Computing program and to perform research in astrophysics.
- Occasional supervision of ICTP Diploma student theses.

Required Qualifications

Education

- Advanced University degree (Ph.D. or equivalent) in Astrophysics.

Work Experience

- 2 to 4 years of relevant research and teaching experience in astrophysics or closely related fields.
- Experience in the implementation and management of scientific projects.
- Experience in the applications of High Performance Computing to astrophysics.

Skills/competencies

- Excellent analytical skills. Ability to collect, synthesise and analyse information from various sources.
- Ability to work effectively in a multidisciplinary and multicultural environment.
- Capacity to build and maintain partnerships inside and outside the Institute.
- Ability to communicate effectively on complex technical and scientific issues in English.
- Excellent written and oral communication skills in English.
- Good knowledge of databases for astrophysics.

Languages

- Excellent/very good knowledge of English (written and oral).

Desirable Qualifications

Work Experience

- Work experience at international level.
- Experience of fundraising and mobilisation of resources activities.

Benefits and Entitlements

UNESCO's salaries are calculated in US dollars. They consist of a basic salary and a post adjustment which reflects the cost of living in a particular duty station and exchange rates.

Other benefits include: 30 days annual leave, family allowance, home travel, education grant for dependent children, pension plan and medical insurance. More details on the ICSC Web site.

To apply: <https://unesco.taleo.net/careersection/2/joblist.ftl>



Consortium for Construction, Equipment and Exploitation of the Synchrotron Light Laboratory

Ref. EST/PO/03-13 (Deadline: June 15th 2013)

Head of the Engineering Division of Alba

INSTITUTION

CELLS, the consortium for Construction, Equipment and Exploitation of the Synchrotron Light Laboratory ALBA, is jointly funded by the Spanish State Government and the Generalitat de Catalunya (Catalan Autonomous Government).

ALBA is a 3 GeV low emittance state-of-the-art third generation Synchrotron Light Facility located in Cerdanyola del Vallès near Barcelona. The facility is open to external users with seven Beam Lines. Alba is organized in five Divisions one of them devoted to engineering aspects of the facility.

FUNCTIONS

The successful candidate will take responsibility for the Engineering Division, which provides technical support in design, construction and operation activities of the Consortium. At present the areas of expertise in the facility are civil and mechanical engineering, vacuum, cryogenics, survey and alignment, maintenance and energy supplies.

The Head of Engineering Division reports to the Director of the facility and is a member of the CELLS Management Board. As such is strongly involved in running the laboratory and formulate proposals for the Division annual budgets and staffing plans.

QUALIFICATIONS

- Education: high level university degree in engineering, physics or equivalent.
- 10 years minimum experience in project management in large scientific or technological infrastructures. Experience in accelerator laboratories will be appreciated.
- 5 years minimum experience in the management of human resources teams on the fields mentioned above.
- Recognized leadership, communication and interpersonal skills.
- Adaptability to an international and multidisciplinary environment.
- Sense of responsibility and demonstrated ability to work independently or as a member of a team.
- Good knowledge of English.
- Basic knowledge of Spanish or Catalan or an undertaking to acquire it rapidly.

Contact

Applications shall be submitted by CELLS web application before June 15th 2013, 24:00 local time to:

<http://www.cells.es/Jobs/JobOffers/ViewJobs?division=Engineering>



European XFEL is a multi-national non-profit company that is currently building an X-ray free-electron laser facility that will open up new areas of scientific research. When this facility is completed in 2015, its ultrashort X-ray flashes and unique research opportunities will attract scientists from all over the world to conduct ground-breaking experiments. We are a rapidly growing team made of people from more than 20 countries. Join us now!

EXCITING OPPORTUNITIES

Find out more about our exciting opportunities for scientists, engineers and graduate students. Help develop X-ray instrumentation and other systems. Help create a research facility of superlatives that will provide X-rays of unique quality for cutting-edge research in physics, chemistry, the life sciences and materials science.

WORKING AT EUROPEAN XFEL

English is the working language. We offer salary and benefits similar to those of public service organisations in Germany, a free-of-charge company pension scheme, generous relocation package and support, international allowance for non-German candidates hired from abroad, training opportunities etc.

JOIN OUR NETWORK

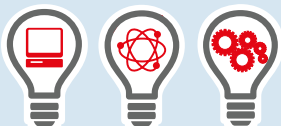
Join our network of international research institutions, programmes and collaborations. Discuss problems and solutions with colleagues from all over the world.

COME TO HAMBURG

Economically and culturally, Hamburg is the centre of Northern Germany. With its long history in trade, Hamburg has always been an outward-looking city and one of Germany's gateways to the world. Work and live in Hamburg, one of the most beautiful and interesting cities in Europe!

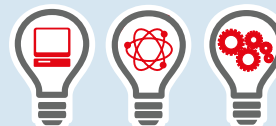
European XFEL GmbH, Albert-Einstein-Ring 19, 22761 Hamburg, Germany
Mailing address: Notkestr. 85, 22607 Hamburg, Germany

www.xfel.eu



brightrecruits.com

Jobs for physicists and engineers





NATIONAL
ACCELERATOR
LABORATORY

Associate Laboratory Director Stanford Synchrotron Radiation Lightsource

The SLAC National Accelerator Laboratory, at Stanford University, is seeking applications for the position of Director of Stanford Synchrotron Radiation Lightsource (SSRL). Reporting to the Laboratory Director, the Associate Laboratory Director (ALD) will lead a world renowned laboratory, producing extremely bright X-rays used to study our world at the atomic and molecular level. SSRL enables research that benefits every sector of the American economy and leads to major advances in energy production, environmental remediation, nanotechnology, new materials and medicine. SSRL also provides unique educational experiences and serves as a vital training ground for students in the sciences. Partnering with companies in industry, SSRL instruments help bring discoveries and innovations from theory to reality. Nobel prizes have been awarded for research carried out, in part, at SLAC's SSRL.

The SSRL ALD will be an internationally recognized Scientist with established leadership credentials, strategic thinking and execution skills, excellent communication skills, commitment to excellence and capability to expand the capacities of SLAC's pioneering synchrotron facilities. The Director will serve on SLAC's Executive Council, lead a directorate of



accomplished scientists and administrators, serve as advisor to the Lab Director, as well as to national and international committees, represent SLAC and the Lab Director in communications with congress, DOE, private industry, local government and citizens groups and Stanford University. The successful candidate is expected to assume a tenured position on the SLAC Faculty.

SLAC, one of the world's leading research laboratories, is a U.S. Department of Energy, Office of Science multi-program laboratory operated by Stanford University for 50 years.

For additional information or to be considered for candidacy please contact/send application materials to:

Lisa Mongetta, Manager, SLAC Staffing Services
2575 Sand Hill Road, Menlo Park, CA 94025
650-926-2733 email: mongetta@slac.stanford.edu

The SLAC National Accelerator Laboratory values diversity and is an Affirmative Action, Equal Opportunity Employer.