

RECRUITMENT

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THE CYPRUS
INSTITUTE

DIRECTOR OF COMPUTATION-BASED SCIENCE AND TECHNOLOGY RESEARCH CENTER (CaSToRC)

The Cyprus Institute (www.cyi.ac.cy) is a novel, non-profit research and educational institution, with a scientific and technological orientation, pursuing issues of regional importance and of global significance in the Eastern Mediterranean, the Middle East and North Africa. The development of Cyl involves the progressive launching of several cross-disciplinary research centers. CaSToRC is being jointly developed with the University of Illinois and its National Center for Supercomputing Applications and is intended to serve as an important research resource for Cyl, Cyprus and the Eastern Mediterranean region, and as a gateway between the EU and the region for advancing computational science, engineering and technology.

Position Description:

The Director of the CaSToRC will be responsible for the conduct of all affairs of the research center, and will report to the Vice President for Research of Cyl. He/she will work in Cyprus, and will be offered a professorial appointment with tenure, with an internationally attractive salary and benefits package, commensurate to his/her high degree of responsibility and qualification.

Responsibilities:

The founding Director will be directly responsible for:

- Shaping the research agenda of the Center.
- Developing and implementing strategies appropriate to the Center's missions and objectives.
- Recruiting the senior research staff, and generally supervising the human resources of the Center.
- Planning and implementing the design of the computing and other facilities appropriate to the Center's research program.
- Collaborating closely with the Cyl Vice President for Research and the President of the Institute to develop the CaSToRC within the overall Cyl structure.
- Developing organisational structures for the appropriate functioning of

the CaSToRC.

- Raising financial and other resources to support the research programs of the CaSToRC

Profile:

The incumbent should be an outstanding individual with strong leadership qualities, with a minimum of 5 years' experience in research management. He/she must have a scientific record of the highest international level, a strong vision of the role of research in computational science, engineering and technology and of the importance of science and technology capacity building in Europe and in the Eastern Mediterranean. Previous responsibility for institution building and/or managing complex projects from development to implementation would be a strong advantage.

The candidate must have excellent interpersonal skills, with strong capacities for managing human resources, and for generating and maintaining contacts in the academic, business and governmental circles, as well as obtaining support from them for the Center. Proficiency in spoken and written English is indispensable, while knowledge of the Greek language would be an advantage but is not a requirement.

Applicants should submit: (i) a CV including a list of publications, a compilation of research grants obtained, and relevant managerial experience, (ii) a Vision Statement about their plans for the development of CaSToRC, and (iii) a list of at least five potential referees (incl. their contact details).

For further information please contact Dr Michalis Yiangou (m.s.yiangou@cyi.ac.cy). To be assured full consideration, applications should be received by 15th of November 2009 via e-mail to HR@cyi.ac.cy.

Please show the following reference in the subject heading: **CaSToRC-09-01**. Recruitment will continue until the position is filled.

The **Physics Department and the Enrico Fermi Institute** at the **University of Chicago** invite applications for a tenure-track faculty appointment in Theoretical High Energy Physics. We are encouraging applications from candidates with recognized accomplishments in areas such as: physics of the standard model and beyond; collider physics; and particle cosmology. The successful candidate must have a doctoral degree in physics or a related field, and is expected to establish an independent research program while effectively contributing to the Department's undergraduate and graduate teaching programs. The appointment is expected to be at the Assistant Professor level. Appointment at the level of Associate Professor or Full Professor is possible for exceptionally well qualified candidates.

Applicants must apply online at the University of Chicago academic jobs website <https://academiccareers.uchicago.edu>, Posting #00101. Applicants must upload a curriculum vitae, a list of publications and a brief research statement. Applicants must also arrange for three recommendation letters to be uploaded electronically in pdf format (each up to 10 MB) to <http://enricofermi.uchicago.edu/phenom>. The letters should be addressed to: Prof. Simon Swordy, Director, Enrico Fermi Institute, The University of Chicago, Chicago, IL 60637. Review of applications will start in the fall, 2009, and will continue until the position is filled. To ensure full consideration, all application materials (including recommendation letters) should be received no later than November 1, 2009.

The University of Chicago is an Affirmative Action / Equal Opportunity Employer.



SLAC is a Department of Energy National Accelerator Laboratory for High-energy and Basic Energy Science research, operated by Stanford University and located near San Francisco, CA. At this time, SLAC is seeking an energetic, forward-looking individual for the following position:

Controls Electronics & Instrumentation Manager – Job #35063

This is a unique opportunity to apply your knowledge and specialized skills, while contributing to the success of a world-class research facility. Please visit the careers section of our web site for full details of this position, and for application instructions.

<http://www-public.slac.stanford.edu/hr/jobs/search.asp>

SLAC is an equal opportunity employer.

Staff Scientist in Experimental High Energy Nuclear Physics

The Nuclear Science Division at Lawrence Berkeley National Laboratory has an opening for a Scientist with outstanding promise and creative ability in the field of experimental high energy nuclear physics to join the Relativistic Nuclear Collisions (RNC) Program. The successful candidate will participate in construction of a new generation silicon precision vertex tracker for the STAR experiment at the Relativistic Heavy Ion Collider (RHIC) and will assume a leading role in the development of innovative future detector systems.

Qualified candidates will have several years of experience beyond their PhD in Nuclear Physics, in Particle Physics, or in a related field, and will have a proven track record of achievement and expertise in modern detector development. In addition, the successful candidate will have experience in developing proposals, as well as the ability to work independently and collaboratively in multidisciplinary teams. Depending on qualifications and experience, the appointment will be as a Staff Scientist or as a Career-Track Staff Scientist.

This position may be filled as a Staff Scientist or Career-Track Staff Scientist depending on qualifications and years of relevant scientific experience. The career-track position is a one-year, term appointment that may be renewed to a maximum of five years with the expectation of being converted to a career position based upon satisfactory job performance, continuing availability of funds, and ongoing operational needs.

Apply on line at <http://cjo.lbl.gov/LBNLCareers/details.asp?jid=23303&p=1SID=2033>, and follow the on-line instructions to complete the application process. In addition, please submit the names of at least five references by email to Dr. Ernst Sichtermann, EPSichtermann@lbl.gov.

The position will be open until filled. We will be considering candidates starting October 15, 2009. Please reference Job 23303. LBNL is an Equal Opportunity/Affirmative Action Employer.



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Universität Hamburg



At the **Faculty of Mathematics, Informatics and Natural Science in the Department of Physics** at the University of Hamburg, and jointly with DESY, the position of a

FULL PROFESSOR W₃ (DESY-PROFESSORSHIP)

for **Experimental Physics with main focus Experimental Particle Physics at Colliders**

is offered/reference number 2051/W₃

The University of Hamburg and DESY are equal opportunity employers and welcome participation from all qualified individuals. They aim at increasing the representation of women among their staff and, therefore, explicitly encourage applications from female scientists.

Background:

Candidates should have an established international reputation in the field of experimental particle physics at colliders at the highest energies. Expertise in the preparation, accomplishment and analyses of experiments in large international collaborations is expected. The successful candidate should assume a leading scientific role at DESY and in one of the LHC collaborations as well as in the preparatory work for a Linear Collider. He or she is expected to further develop particle physics at Hamburg and to strengthen the close collaboration between DESY and the University of Hamburg. Adequate participation in teaching is expected.

Requirements:

According to § 15 Hamburgisches Hochschulgesetz.

The University of Hamburg attaches particular importance to the quality of teaching. Therefore, experience and ideas on teaching should be presented.

Disabled persons are given priority over applicants of equal suitability, qualification and degree of specialized knowledge.

For full consideration applications (including a CV), a complete list of publications, and a summary of current and future research interests and objectives should be sent by **October 30th, 2009** to the President of the University of Hamburg, Referat Organisation & Personalentwicklung - 631.6-, Moorweidenstraße 18, 20148 Hamburg, Germany.

TOR ZUR WELT DER WISSENSCHAFT

Department of Physics

Applications are invited for a Senior Lecturer/Reader position within the experimental particle physics group at Royal Holloway. The experimental group is part of the Centre for Particle Physics, which also includes the John Adams Institute for Accelerator Science and a new phenomenology group.

Senior Lecturer/ X0809/1724

Reader in Experimental Particle Physics

Salary £47,064 to £54,220 per annum inclusive of London Allowance

We would particularly welcome applications from someone with hardware expertise who will drive a new initiative in detector development; in this context we are also open to establishing a new direction in our physics programme. Significant new laboratory space is being planned to support this initiative.

For an informal discussion about the post contact Professor Grahame Blair (G.Blair@rhul.ac.uk).

Further details and an application form are available from our website <http://rhul.ac.uk/personnel/jobvacancies.htm> or contact Human Resources on 01784 414241 email: recruitment@rhul.ac.uk Please quote the reference number.

Closing date: Midday, 16th November 2009. Interviews: Early December 2009.

We positively welcome applications from all sections of the community.



Royal Holloway
University of London



Postdoctoral Research Positions LIGO Laboratory

California Institute of Technology (Caltech)
Massachusetts Institute of Technology (MIT)

The Laser Interferometer Gravitational-Wave Observatory (LIGO) has as its goal the development of gravitational wave astronomy. The LIGO Laboratory is managed by Caltech and MIT, and is sponsored by the National Science Foundation. It operates observatory sites equipped with laser interferometric detectors at Hanford, Washington and Livingston, Louisiana. The initial detectors have achieved design sensitivity and a data set spanning more than a year of coincidence operation has been collected. Analysis is ongoing, with extensive participation by the LIGO Scientific Collaboration (LSC). Further observation is now underway, with incrementally improved instruments. A major upgrade (Advanced LIGO) is underway in parallel. In addition, a vigorous R&D program supports the development of enhancements to the detectors as well as future capabilities.

The LIGO Laboratory expects to have several postdoctoral research positions at Caltech, MIT and at the two LIGO observatory sites. Successful applicants will be involved in the operation of LIGO itself, analysis of data, both for diagnostic purposes and astrophysics searches, as well as the R&D program for future detector improvements. Expertise related to astrophysics, modeling, data analysis, electronics, laser optics, vibration isolation and control systems is desirable. Most importantly, candidates should be broadly trained physicists, willing to learn new experimental and analytical techniques, and ready to share in the excitement of building, operating and observing with a gravitational-wave observatory. Appointments at the post-doctoral level will initially be for one-year with the possibility of renewal for up to two subsequent years.

Applications for post-doctoral research positions with LIGO Laboratory should indicate which LIGO site (Caltech, MIT, Hanford, or Livingston) is preferred by the applicant. Applications should be sent to HR@ligo.caltech.edu (Electronic Portable Document Format (PDF) submittals are preferred).

Applications should include curriculum vitae, list of publications and the names, addresses, email addresses and telephone numbers of three or more references. Applicants should request that three or more letters of recommendations be sent directly to HR@ligo.caltech.edu (Electronic Portable Document Format (PDF) submittals are preferred). Consideration of applications will begin December 1, 2009 and will continue until all positions have been filled.

*Caltech and MIT are Affirmative Action/Equal Opportunity Employers
Women, Minorities, Veterans and Disabled Persons are encouraged to apply
More information about LIGO available at www.ligo.caltech.edu*



Durham University invites
applications for the post of

Professor of Particle Physics Phenomenology

tenable within the Department of
Physics, in association with the
Institute for Particle Physics
Phenomenology (IPPP).

We are looking for an outstanding physicist in the field of particle physics phenomenology. The successful applicant will have expertise in one or more of the following areas: beyond the standard model physics; electroweak and Higgs boson physics; flavour physics; model building; Monte Carlo simulations; neutrino physics; particle astrophysics and strong interactions. He or she will be expected to play a substantial role in the management of the IPPP and have the potential to be a future Director of the Institute. Applications from candidates with a strong record of engagement with experimental groups are encouraged.

An outline of the current research programme and activities of the IPPP can be found at <http://www.ippp.dur.ac.uk>.

Further details of the post are available on the university website (<https://jobs.dur.ac.uk>) or telephone +44 (0) 191 334 6499; fax +44 (0) 191 334 6495.

Closing date: **30th October 2009**. Please quote reference number: **3301**

Informal enquiries, expressions of interest, or names of potentially interested parties should be sent as soon as possible, and in confidence, to: **Professor Nigel Glover, E.W.N.Glover@durham.ac.uk**.

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University of Bern Faculty of Science

Applications are invited for an
open rank professorship in

Theoretical High-Energy Physics



UNIVERSITÄT
BERN

opening February 1, 2012, at the Albert Einstein Center for Fundamental Physics, Institute for Theoretical Physics, University of Bern, Switzerland. The position can be filled either at the Full Professor or at the tenure track Assistant Professor level. Candidates should have a strong research record in quantum field theory applied to particle physics, aiming at a detailed understanding of the strong interaction, the standard model, or its extensions, in particular using non-perturbative methods. The current research activities at the institute include effective field theories, non-perturbative quantum field theory, the standard model, flavor physics, supersymmetry, gravity, and string theory. The successful candidate is expected to build up a strong research group, to be experienced in acquiring external funding, and to actively participate in the teaching and supervision of Bachelor and Master students, as well as of Ph.D. students in the graduate school.

The University of Bern particularly encourages women to apply for this position.

Applications including a curriculum vitae, a publication list, copies of the most important publications, a brief outline of past and future research, and a summary of obtained external funding should be sent to **Prof. U. Feller, Dean of the Faculty of Science, University of Bern, Sidlerstrasse 5, CH-3012 Bern, Switzerland, by November 15, 2009.**

For further information you may contact **Prof. U.-J. Wiese, Institute for Theoretical Physics, University of Bern, Sidlerstrasse 5, CH-3012 Bern, Switzerland**, e-mail: wiese@itp.unibe.ch, www.itp.unibe.ch

Associate Scientist – Fermi National Accelerator Lab

As a member of the Superconducting Radio-Frequency Development (SRFD) Department, the successful candidate will conduct R&D in support of Fermilab's SRF program, which is aimed at developing the facilities, technologies and expertise needed to utilize SRF cavities and cryomodules in accelerator projects such as Project X and the High-Intensity Neutrino Source (HINS). The candidate will also support the ongoing International Linear Collider (ILC) R&D program. This position is an extendable three-year term appointment with the expectation of a subsequent performance-based promotion to a Scientist I position.

The successful candidate will be expected to fulfill the following responsibilities:

- Conduct R&D in support of the Fermilab SRF program under the guidance of experienced scientists and engineers
- Develop research interests that are aligned with the Fermilab SRF program
- Propose and execute R&D activities in the areas of accelerator physics and accelerator technology
- Participate in relevant conferences, workshops and meetings
- Publish research results in refereed journals

Qualified candidates must have demonstrated ability to carry out independent research; Ph.D. in Physics or relevant subject; 2+ years of post-doctorate experience; experience with SRF cavities and related technologies, in accelerator technology R&D, and in the application of accelerator technology and/or accelerator operations; knowledge of materials, vacuum systems, and cryogenics.

Applicants should include a curriculum vitae and a publication list. Applications and requests for information should be sent to Victor Yarba at yarba@fnal.gov.



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Technical coordinator of the experimental hall (f/m)

The European XFEL will make available X-rays of unique quality for studies in physics, chemistry, life sciences, materials research and others. Located in the vicinity of Hamburg, Germany, it will comprise scientific instruments for a wide range of experimental techniques. Construction of the European XFEL is underway, its commissioning is scheduled for 2014. The European XFEL is an international project with the participation of 14 countries. In 2009, the project will assume its legal form as a not-for-profit company with limited liability: the European XFEL GmbH. We are looking for a

Technical coordinator of the experimental hall (f/m)

The position

Organization and coordination of technical installations in the experimental hall, adjacent tunnel sections and laboratories/mechanical/electronics workshop, in collaboration with the global technical coordination group of the European XFEL. This task includes

- planning and installation of photon beam components (mechanics and vacuum)
- planning and installation of general infrastructure (all media including electricity, cooling water, gases, networks)
- integration of the scientific instruments into the overall technical infrastructure

This coordination will transfer in the operation phase into a service group providing technical assistance to internal and external scientific users groups, with a mechanical and an electronics workshop.

Requirements

- academic degree in physics or engineering
- practical experience with coordination of large scientific and technical installations
- documented communication and organizational skills
- fluency in spoken and written English
- knowledge of German may be an advantage

For additional information contact serguei.molodtsov@xfel.eu

Reference number: E-011(C)

Please apply via e-mail: recruitment@xfel.eu

This position is initially limited to 3 years but will be made permanent upon performance.

Salary and benefits are similar to those of public service organisations in Germany. Handicapped persons will be given preference to other equally qualified applicants. The European XFEL company will be an equal opportunity and affirmative action employer. – English is working language, some knowledge of a further language represented among the participating countries would be welcome. – The European XFEL project intends to achieve a widely international staff. Non-German candidates hired from abroad receive an international allowance.

■ ■ ■ **Deadline for application:** 31 October 2009

European XFEL Project Team
c/o DESY, 22603 Hamburg, Germany

www.xfel.eu



EUROMAGNET CALL FOR PROPOSALS FOR MAGNET TIME

The next deadline for applications for magnet time at the **LABORATOIRE NATIONAL DES CHAMPS MAGNETIQUES INTENSES** (ex GHMFL&LNCMP / <http://lncmi.cnrs.fr>), the **HIGH FIELD MAGNET LABORATORY** (www.hfml.science.ru.nl) and the **HOCHFELD LABOR DRESDEN** (www.fzd.de/hld) is November 15th, 2009

Applications can be done through an on-line application form on the web site: <http://www.euromagnet.org>.

Scientists of EU countries and Associated States* are entitled to apply under FP7 for financial support according to the rules defined by the EC.

*Listed on [ftp://ftp.cordis.europa.eu/pub/ftp7/docs/third_country_agreements_en.pdf](http://ftp.cordis.europa.eu/pub/ftp7/docs/third_country_agreements_en.pdf)

For further information concerning feasibility and planning, please contact the facility of your choice.





**POST-DOCTORAL FELLOWSHIPS FOR NON ITALIAN CITIZENS
IN THE FOLLOWING RESEARCH AREAS**

**THEORETICAL PHYSICS (N. 15)
EXPERIMENTAL PHYSICS (N. 20)**

The INFN Fellowship Programme 2009/2010 offers 35 (thirty five) positions for non Italian citizens for research activity in theoretical (n. 15) or experimental physics (n. 20).

Fellowships are intended for young post-graduates who are under 35 years of age by **November 15, 2009**.

Each fellowship, initially, is granted for one year and then, may be extended for a second year.

The annual gross salary is EURO 28.000,00.

Round trip travel expenses from home country to the INFN Section or Laboratory will be reimbursed, also lunch tickets will be provided for working days.

Candidates should choose at least two of the following INFN sites, indicating their order of preference.

- INFN Laboratories: Laboratori Nazionali di Frascati (Roma), Laboratori Nazionali del Gran Sasso (L'Aquila), Laboratori Nazionali di Legnaro (Padova), Laboratori Nazionali del Sud (Catania);

- INFN Sections in the universities of: Bari, Bologna, Cagliari, Catania, Ferrara, Firenze, Genova, Lecce, Milano, Milano Bicocca, Napoli, Padova, Pavia, Perugia, Pisa, Roma La Sapienza, Roma Tor Vergata, Roma Tre, Torino, Trieste.

The research programs, must be focused on the research fields of the Section or Laboratory selected (<http://www.infn.it>).

Applications, in electronic form, must be sent to INFN no later than **November 15, 2009**.

To register, candidates must use the website
<http://www.ac.infn.it/personale/fellowships/>

The application form requires:

- statement of research interests;
- curriculum vitae;
- three reference letters (specifying name, surname and e-mail of each referee).

Theoretical fellowships must start from September to December 2010.

Requests for starting earlier accepted.

Experimental fellowships must start no later than April 2010. Requests to posticipate accepted.

ISTITUTO NAZIONALE DI FISICA NUCLEARE
IL PRESIDENTE
(Prof. Roberto Petronzio)

LEON M. LEDERMAN Postdoctoral FELLOWSHIP

The Fermi National Accelerator Laboratory (Fermilab) invites applications for the Lederman Postdoctoral Fellowship in experimental particle physics. The Lederman Fellow will have a choice of opportunity within the broad program of experimental research at Fermilab which includes research at the Tevatron and the LHC, neutrino physics, particle astrophysics, and experiments at the Intensity Frontier. In recognition of Leon Lederman's outstanding career in research and his commitment to the teaching of physics, we are looking for candidates who have demonstrated exceptional ability in research and who also wish to participate in physics outreach for a fraction of their time.

The Lederman Fellowship appointment is normally for three years with a possible extension. Candidates should either have obtained a Ph.D. in experimental particle physics, astrophysics, or a closely related field, after November 1, 2008, or should expect to obtain a Ph.D. in the same fields by June 2010.

Applications including a curriculum vitae, a description of prior research and research interests, and details of experience and interest in outreach, should be sent to LMLFAPP@fnal.gov. Applicants should also arrange for three or four references to be sent to the same address. Applications and their references should be received by November 23, 2009.



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Wilson Fellowship in Experimental Physics

The Wilson Fellowship program at Fermilab seeks applications from Ph.D. physicists of exceptional talent with at least two years of post-doctoral work. The fellowships are awarded on a competitive basis and support physicists early in their careers by providing unique opportunities for self-directed research in experimental physics. Fellows will work on the Fermilab particle physics experiment of their choice. The Fermilab experimental program includes collider physics at both the Tevatron and the LHC, studies of neutrino and astroparticle physics, as well as R&D and planning for experiments at future colliders and high intensity beams.

The Wilson Fellowships are tenure track positions with an annual salary fully competitive with university assistant professorships. The appointment is for an initial term of three years and can be renewed for an additional two years upon the completion of a successful review after the first two years.

Each candidate should submit a research statement describing a proposed research program, a curriculum vitae, and should arrange to have four letters of reference sent to the address below. Application materials and letters of reference should be received by October 30, 2009.

Materials, letters, and requests for information should be sent to:
Wilson Fellows Committee
Fermi National Accelerator Laboratory
MS 122, Attention: Ms. Cathryn Laue
P.O. Box 500, Batavia, IL 60510-0500
Email: wilson_fellowship@fnal.gov

Additional information is available at:
http://www.fnal.gov/pub/forphysicists/fellowships/robert_wilson/



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European Synchrotron Radiation Facility

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Have a look at our vacancies at
www.esrf.eu/jobs

Contact us at recruitment@esrf.eu

Scientists - Post doctoral fellows - PhD students - Engineers - Technicians - Administrative staff

European Synchrotron Radiation Facility
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tel.+33 476 88 20 00 www.esrf.eu