

RECRUITMENT

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Studentships on the MCnet network

MCnet is an EU-funded Marie Curie Research Training Network, dedicated to developing, validating and tuning the next generation of Monte Carlo event generators for high energy particle physics and training future event generator authors and the event generator user base.

MCnet will create two novel forms of studentship:

Joint long term studentships: two PhD positions to be held jointly: one at Karlsruhe followed by Durham; one at Durham followed by University College London. Each will begin in October 2007, move to the second university in April 2009 and be completed in September 2010. Closing date: March 31st 2007.

Short term visiting studentships: open to anyone registered for a PhD in experimental or theoretical particle physics to receive additional training in one of our research groups for three to six months during 2008. Applications should include a research proposal. Closing date: June 30th 2007.

More details and links to application forms can be obtained from www.montecarlonet.org

Studentships are subject to the usual conditions of Marie Curie fellowships. Applications are particularly encouraged from women, nationals of New Member States and residents of Less Favoured Regions.

MCnet is a collaboration of CERN, the Universities of Durham, Karlsruhe and Lund and University College London; all are committed to providing equality of opportunity.



Agilent Technologies

Agilent Technologies, global leader in test and measurement solutions, has recently acquired Acqiris, a leading company developing high-end digitizer and signal analyzers in PCI/cPCI and VME format. The analyzer product with FDK (firmware design kit) gives our customers the capability of developing real time analysis firmware that will be programmed into the analyzer's FPGA.

There is an immediate opening in the R&D group located in Geneva Switzerland for a

R&D Software / Firmware Engineer

The main responsibility is to support customers using the FDK, as well as to develop firmware and/or software for new FDK products. The successful candidate will also be in charge of writing the FDK user manuals. He will participate actively to improve our design efficiency, as well for firmware design than for firmware verification.

- Masters in Software / Firmware engineering.
- English proficiency both oral and written.
- Proficiency in troubleshooting and debugging code.
- Good working knowledge of software and firmware development principles.
- Proficiency in C/C++/VHDL programming.
- Excellent teamwork and communication skills.
- Experience with Xilinx Virtex FPGA, the Mentor graphics FPGA design flow, and/or Visual Studio will be an advantage.

If you believe your motivation and experience would be an asset in our challenging environment, please apply online through www.jobs.agilent.com, requisition number 2016325.

In case of problems you can send it to: human.ressources@acqiris.com

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

RELAX... JOB HUNTING DOESN'T NEED TO BE STRESSFUL

If you are looking for a job in high-energy physics, just visit [Jobs Watch at cerncourier.com/jobs](http://cerncourier.com/jobs).

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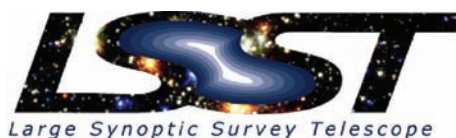
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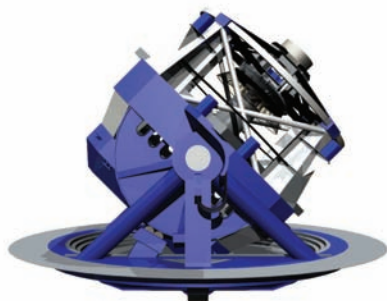
Associate Project Manager LSST Corporation



The LSST Corporation, which will build and operate the Large Synoptic Survey Telescope, seeks an engineer or scientist experienced in project management to join the LSST team as Associate Project Manager. In keeping with the LSST Corporation's commitment to succession planning, the successful candidate will be expected to prepare to assume the role of Project Manager in due course.

The Associate Project Manager will help to develop and construct a World-class astronomical facility to be built in Northern Chile. The LSST project includes an 8.4-meter, 3.5 degree wide-field telescope, a 3.2 gigapixel camera and a data management system to process, archive, and distribute the 22 Terabytes of data that will be produced every night. The project is currently in its design and development phase, with both public and private sponsorship. Plans call for a close collaboration between the NSF and Department of Energy laboratories in construction. Commissioning is scheduled for 2014. The LSST Corporation includes over 20 universities, government laboratories, and private corporations.

The Associate Project Manager, reporting directly to the Project Manager, will assist in managing all business and technical activity on the project. In particular, he or she will have day-to-day responsibility for directing technical tasks, monitoring contracts and awards, and will chair the change control board. The Associate Project Manager will support the Project Manager in representing and justifying all project activity to the LSST Board of Directors and funding agencies. The LSST Corporation is searching for a highly motivated, self-directed individual with experience in large construction projects, control systems, data management, and standard project management tools and methods. Experience with DOE and/or NSF projects and management processes is highly desirable. The successful candidate will be expected to relocate to Tucson.



The LSST Corporation is an Affirmative Action and Equal Employment Opportunity employer. Qualified candidates are invited to submit a resume, a letter describing experience and interests, and the names of three references to:

hrnoao@noao.edu (preferred) or postal mail to: **LSST/NOAO Human Resources, PO Box 26732, Tucson, AZ 85726-6732.** Make reference to the **Attn: Associate Project Manager, LSST Corporation, Job #822** when submitting materials.

All personnel services are administered by the National Optical Astronomy Observatory (NOAO) on behalf of the LSSTC, under a business service agreement.

RESEARCH ASSOCIATES FOR T2K and MINOS

The Particle Physics Department at RAL has two immediate vacancies for three-year fixed term Research Associates to work on the T2K (<http://neutrino.kek.jp/hfnu/>) and MINOS (<http://www.numi.fnal.gov/>) projects. These vacancies are available as a possible job share.

A postdoctoral physicist (ref: SPBU029) is sought to work on the development, commissioning and calibration of the T2K 280m near detector electronics, software tools, neutrino data analysis and to participate in test beam activities. Candidates are expected to have a PhD in experimental particle physics and experience in analysis, hardware and software for particle physics experiments. Further details on this post may be found at <http://www.clrc.ac.uk/Activity/VNInfo;SECTION=9957>; For additional information, contact Dr. Alfons Weber (Tel: +44 (0)1235 445092, email: A.J.G.Weber@rl.ac.uk).

A physicist or physicist programmer (ref: SPBU030) is sought to work on both the MINOS and T2K projects. The post will involve developing and commissioning the data acquisition system for the T2K 280m near detector, assisting with operational support for the MINOS data acquisition and participating in the analysis of data. Applicants will have a degree or equivalent in a physical or computer science, and ideally, a PhD in experimental particle physics, with experience of data acquisition on a large-scale experiment. Further details on this post may be found at <http://www.clrc.ac.uk/Activity/VNInfo;SECTION=9958>; For additional information, contact Dr. Geoff Pearce (Tel: +44 (0)1235 445676, email: G.F.Pearce@rl.ac.uk).

The starting salary for both posts is in the range £24,638 to £27,998 (pay award pending), dependent on experience. In addition we offer an index-linked, final-salary pension scheme and generous leave allowance. If suitable working patterns can be agreed between relevant parties, these roles offer an ideal opportunity for two individuals to job share.

Closing date for applications is 23 March 2007.

Interviews will be held on 10 & 11 April 2007.

CCLRC operates a no-smoking policy and is committed to Equal Opportunities.

Application forms may be obtained from Valerie Gilbert, Science Programmes, CCLRC, Chilton, Didcot, Oxfordshire OX11 0QX, telephone +44 (0)1235 445658, or e-mail recruit-spbu@rl.ac.uk. Please quote the relevant SPBU reference number. More information about CCLRC is available from <http://www.clrc.ac.uk>



www.clrc.ac.uk

Online-only opportunities

(at the time of going to press)

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Abilene Christian University –
Department of Physics
DESY – Hamburg

Indiana University –
Nuclear Theory Center

Lawrence Berkeley National
Laboratory

Massachusetts Institute of
Technology

Stanford Linear Accelerator Center
(SLAC)

University of Gent

University of Massachusetts
at Amherst

physicsweb.org/jobs

Academical Medical Centre
Auckland UniServices Limited

Cranfield University –
School of Engineering

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Sciences

Lancaster University –
Department of Engineering

Max-Born-Institut für Kernphysik

Technische Universität
Kaiserslautern

TNO Defence, Security
and Safety

Universität Bremen

University of Gent

University of Guelph –
Physics Department

University of Oslo

University of Sussex – School of
Physics and Astronomy

University of Victoria

Universität Wien

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Science and Technology

Washington University School of
Medicine

nanotechweb.org/jobs

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Lausanne

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University of Göttingen

If you would like more information
or the costs of adding your
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Jayne Orsborn

Tel +44 (0)117 930 1228

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E-mail jayne.orsborn@iop.org



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.

For the experiments H1, ZEUS and HERMES at the ep collider HERA, the experiments ATLAS and CMS at LHC, and for the preparations of the International Linear Collider ILC (accelerator and experiments) several

DESY Fellowships

at Hamburg and Zeuthen are announced. Scientists who have completed their Ph.D. within the last 4 years are invited to submit their application including a resume and the usual documents (curriculum vitae, list of publications and copies of university degree). They should arrange for three letters of recommendation to be sent to the personnel department of DESY.

The DESY Fellowships are awarded for a duration of 2 years with the possibility for prolongation by one additional year. Salary and benefits are commensurate with public service organisations. DESY is an equal opportunity, affirmative action employer and encourages applications from women. DESY has a kindergarten on site.

Deutsches Elektronen-Synchrotron DESY
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Deadline for applications: April 2, 2007

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Max Planck Institute for Physics

(Werner Heisenberg Institute)



MAX-PLANCK-GESellschaft

The Max Planck Institute for Physics and the Cluster of Excellence *Origin and Structure of the Universe* invite applications for a

Junior Research Group Leader (tenure track)

in the field of

Detector Development in Particle Physics (Experiment)

The Cluster of Excellence *Origin and Structure of the Universe* has recently been installed on the Garching Campus near Munich as part of the Excellence Initiative of the Federal Government of Germany. The cluster is operated jointly by the physics departments of the two Munich Universities, several Max Planck Institutes and the European Southern Observatory. It aims at a deeper understanding of the fundamental forces and dynamics that drive the expansion of our universe, the creation of the elements, and the growth of large-scale structure. As part of this effort, 10 new research groups will be created to work in key areas of the relevant science.

We are seeking candidates for a Junior Research Group (JRG) leader who will focus on the development of detector technologies for particle physics experiments. The JRG-leader will get a tenure track position (salary scale TVöD-14) at the Max-Planck-Institut für Physik for initially 5 years. The evaluation for tenure (salary scale TVöD-15) will start after three years. The JRG leader will also obtain a 'Lecturer position' (Lehrauftrag) from the faculty of the Technische Universität München. The Max Planck Institute for Physics has a long history of developing detectors for particle physics experiments, including silicon vertex detectors, time projection chambers, and liquid Argon calorimeters. The capabilities of the mechanical and electronics engineering departments at the Max Planck Institute for Physics and other institutes participating in the cluster would be available to the Junior Research group. The proposed area of development should match the capabilities available as well as fit into the existing programs of research in the Cluster. Active participation in the teaching program of the Cluster and the Technische Universität München is welcome.

Formal requirements for this position are a PhD and several years of experience in the field of experimental particle physics.

The Max Planck Society is an equal opportunity employer. The goal is to enhance the percentage of women in the areas where they are underrepresented. Women, therefore, are especially encouraged to apply. The Society wants to employ more disabled people. Applications of disabled persons are particularly welcome.

Applicants should complete the following web-form
<http://universe-cluster.de/jobs/RA4a> before March 31, 2007.

Max-Planck-Institut für Physik

Prof. Dr. Allen Caldwell
Föhringer Ring 6
80805 München
caldwell@mppmu.mpg.de

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Contact Jayne Orsborn:

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CERN Courier, IOP Publishing, Dirac House, Temple Back, Bristol BS1 6BE, UK

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RESEARCH ASSOCIATE for LHCb (SPBU031)

The Particle Physics Department at the Rutherford Appleton Laboratory (RAL) has an immediate vacancy for a three-year Research Associate position to work on the LHCb experiment at the CERN Large Hadron Collider.

The RAL LHCb group has a pivotal role in the development of the Ring-Imaging Cherenkov detectors and the software of the experiment since the initial stages of the design and construction. The group is now ramping up the physics analysis effort in preparation for the beginning of the data-taking, building on the group members' extensive experience of CP violation studies in the B system and expert knowledge of the LHCb detector and software.

We are looking for a highly motivated individual to make leading contributions to the LHCb physics analysis programme and to take on responsibilities in the commissioning and operation of the LHCb detector. The successful candidate will have the opportunity to help shaping the group's physics analysis strategy and to support the supervision of graduate students. Applicants should have a Ph.D. in physics and experience with the data analysis and the software of high energy physics experiments. A willingness to travel within the UK and overseas is essential. Long term attachment to CERN is a possibility.

The starting salary is in the range of £24,638 to £27,998, dependent on experience. An index-linked pension scheme and a generous leave allowance are also offered.

Further information can be found at <http://hepwww.rl.ac.uk/lhcb>

For enquires about this post, please contact Dr Stefania Ricciardi, Tel: +44(0)1235 445213, email: s.ricciardi@rl.ac.uk

Application forms may be obtained from Valerie Gilbert, Science Programmes, CCLRC, Chilton, Didcot, Oxfordshire OX11 0QX, telephone +44 (0)1235 445872, or e-mail recruit-spbu@rl.ac.uk. Please quote the relevant SPBU reference number.

More information about CCLRC is available from <http://www.clrc.ac.uk>

Closing date for application is 16 March 2007.

Interviews will be held in the week commencing 16 April 2007.

CCLRC operates a no-smoking policy and is committed to Equal Opportunities.



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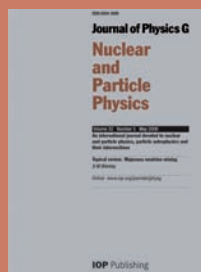
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The **Department 08 - Physics, Mathematics, and Computer Science** - of the Johannes Gutenberg-University Mainz (Germany), invites applications for the position of

University Professor of Experimental Physics

(Full Professor, Bes.Gr. W 3 BBesG)

(succession of Prof. Konrad Kleinknecht)

which is **opening April 1, 2008** at the Institute of Physics.

We seek an internationally renowned researcher to take a leading role in the "Experimental Particle and Astroparticle Physics" group. A central activity of the candidate should lie in the area of LHC physics. The research group has taken on long-term responsibilities with the ATLAS experiment. In order to guarantee the breadth of research in the long run, future activities in other areas of particle or astroparticle physics are desired.

Applicants are expected to have a Ph.D. in physics, a proven first rate research record and to have interest in and aptitude for teaching. Lectures are usually given in German. The Johannes Gutenberg-University promotes a concept of intensive tutoring and requests a high rate of presence at the University. Participation in all teaching activities and academic administration duties of the Faculty is expected.

The Johannes Gutenberg-University Mainz aims at increasing the percentage of women in academic positions and strongly encourages women scientists to apply.

The University is an equal opportunity employer and particularly welcomes applications from persons with disabilities.

Qualified candidates are asked to submit their applications **by April 16, 2007**, including curriculum vitae, lists of publications, lists of teaching experience, and reprints of up to five of their most important publications to the



**Johannes Gutenberg-Universität Mainz,
Dekan des Fachbereichs 08
- Physik, Mathematik und Informatik -,
D-55099 Mainz, Germany.**

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Deutsches Elektronen-Synchrotron
R&D for particle physics



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.

DESY is one of the leading laboratories for the development of novel technologies for detectors at the future International Linear Collider (ILC). Within the EU supported Integrated Infrastructure Initiative EUDET we have an immediate opening for a

Physicist

The research topics are the design of special calorimeters for the instrumentation of the forward region and the development and test of a prototype. The research activities are performed in an international collaboration with strong European participation.

We expect from you a Ph.D. in experimental particle physics, experience in the construction and operation of detectors and in data analysis. For further information, please contact Dr. Wolfgang Lohmann (wolfgang.lohmann@desy.de).

Please send your application by indication the code number to personal.abteilung-zeuthen@desy.de.

The position is limited to 2 years.

Salary and benefits are commensurate with public service organisations. DESY is an equal opportunity, affirmative action employer and encourages applications from women.

Deutsches Elektronen-Synchrotron DESY
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Deadline for applications: 31.03.2007

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Contact Jayne Orsborn Tel +44 (0)117 930 1228 E-mail **jayne.orsborn@iop.org**

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