

# RECRUITMENT

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University  
of Glasgow

Department of Physics and Astronomy

## Professor of Physics in Particle Physics

A Professorial appointment is available for a candidate who will provide world class scientific leadership at the forefront of the international particle physics programme, either in the field of Experimental Particle Physics and its supporting technologies, or in the area of Theoretical Particle Physics directly applicable to the experimental programme. The candidate will also play a key role, with colleagues, in developing and implementing departmental strategy in research and teaching. Should a candidate of appropriate stature and reputation present themselves, they will be appointed to the Kelvin Chair of Physics at the University.

For further information on the post please contact Professor Robin Leake, Pro-vice Principal, email [R.Leake@admin.gla.ac.uk](mailto:R.Leake@admin.gla.ac.uk) quoting Ref 13876/HRO/A1.

## Lectureship in Particle Physics

£34,448 – £39,935

You will pursue an active research programme with international impact in particle physics, either in theory or experiment, broadening and strengthening the existing research portfolio in these areas in the department and the linkages between them ([www.physics.gla.ac.uk/research/](http://www.physics.gla.ac.uk/research/)). Your research will focus on either theoretical work in lattice QCD or phenomenology of the Standard Model and beyond or on experimental work on detector development and phenomenology. There are extensive opportunities to collaborate with other theorists and experimentalists in Scotland under the auspices of the Scottish Universities Physics Alliance ([www.supa.ac.uk/](http://www.supa.ac.uk/)). You should be able to teach undergraduate physics, and possibly astronomy, at all levels and postgraduate particle physics.

Informal enquiries can be made to Professor Christine Davies, +44 (0)141 330 4710, e-mail: [c.davies@physics.gla.ac.uk](mailto:c.davies@physics.gla.ac.uk) or to Professor Tony Doyle, +44 (0)141 330 5899, e-mail [a.doyle@physics.gla.ac.uk](mailto:a.doyle@physics.gla.ac.uk) quoting Ref 13912/HRO/A1.

To find out more, and to apply, go to [physics-at-glasgow.co.uk](http://physics-at-glasgow.co.uk)

Closing date for both posts: 14 March 2008.



The University is committed to equality of opportunity in employment.

[www.glasgow.ac.uk](http://www.glasgow.ac.uk)

Scottish University of the Year

## Princeton University

### Director – Princeton Plasma Physics Laboratory – Princeton, NJ

Princeton University seeks nominations and applications for the position of Director of the Princeton Plasma Physics Laboratory, PPPL. Princeton University manages and operates PPPL under contract with the U.S. Department of Energy (DOE) and funding for the Laboratory comes primarily from the Office of Fusion Energy Sciences within the DOE Office of Science. Princeton University will propose to continue to manage and operate PPPL after its current contract expires on 9/30/08. It is expected that the successful candidate will help prepare Princeton's proposal and will begin to serve as Director as soon as possible. The Director of PPPL is normally appointed to the faculty at Princeton University.

The Director of PPPL oversees an \$80M per year scientific program with a staff of 450. The Director is responsible for leading the Laboratory's highly collaborative scientific programs in fusion energy science and technology, as well as broader investigations in plasma science, for providing leadership to the U.S. and world fusion research effort, and for assuring that PPPL in all respects meets DOE's highest standards for safe, efficient and compliant operations. The Director of PPPL reports to and serves as an ex-officio member of the PPPL Management Board, composed of the President, Provost, Dean of the Faculty, and Dean for Research.

Candidates should be outstanding scientists with extensive records of scientific and technical accomplishments and demonstrated success in leading and managing large scientific programs or organizations. This position requires an individual with a proven track record of exemplary, senior-level leadership, and a vision to foster a culture of innovation and collaboration. Prior experience with and understanding of the operations and expectations of the DOE are highly desirable. Ability to communicate effectively with staff, researchers, government officials and press is essential.

Applications should be submitted online to <http://jobs.princeton.edu>

Nominations may be sent to:

**Prof. A J Stewart Smith**  
Dean for Research  
Princeton University  
[dfpr@princeton.edu](mailto:dfpr@princeton.edu)

To receive full consideration, nominations and applications should be received by 3/15/08.

*Princeton University is an equal opportunity employer and complies with applicable EEO and affirmative action regulations. Applications from women, ethnic minorities, veterans and individuals with disabilities are encouraged.*

The Physics Department at Brookhaven National Laboratory seeks to fill a Postdoctoral Research Associate opening. Requires a Ph.D. or equivalent degree in physics. Experience with computer simulations is also required. Experience in accelerator physics and using C++ and Fortran is desired. Work will involve simulating new ideas for cooling muon beams, designing acceleration schemes for the Neutrino Factory and designing acceleration schemes for the Muon Collider. Under the direction of R. Palmer and S. Berg, Physics Department. Send CV to [felicia@bnl.gov](mailto:felicia@bnl.gov), referring to Position No. FH 4786.

Brookhaven National Laboratory is an equal opportunity employer committed to building and maintaining a diverse workforce.

**BROOKHAVEN**  
NATIONAL LABORATORY

## THE GEORGE WASHINGTON UNIVERSITY

The George Washington University has an opening for an Assistant Research Professor in Experimental Nuclear Physics (three-year term, one course per semester teaching requirement, non-tenure-accruing faculty position). Basic Qualifications: Experience beyond the Ph.D. degree in medium-energy nuclear physics, electromagnetic interactions, and/or few-body nuclei is essential. Preferred Qualifications: Experience with nuclear particle and radiation detectors and data-acquisition systems is valuable.

Application Procedure: Send a CV, a 1-page statement of research/career goals, and three reference letters to Professor B.L. Berman, Chair, ENP Search Committee, Physics Department, GWU, Washington, D.C. 20052 [fax: (202) 994-3001; e-mail: [berman@gwu.edu](mailto:berman@gwu.edu); website: <http://www.gwu.edu/~ndll/>]. Review Start Date: February 27, 2008. Only complete applications will be considered.

*The George Washington University is an Equal Opportunity-Affirmative Action Employer.*

## The Excellence Cluster for Fundamental Physics

'Origin and Structure of the Universe'



The Cluster of Excellence 'Origin and Structure of the Universe' is a joint research project at the Garching Campus of the Technical University Munich funded by the Excellence Initiative of the Federal Government of Germany. It represents a co-operation by the physics departments of the Technical University Munich and the Ludwig-Maximilians University, four Max-Planck Institutes (MPA, MPE, MPP, IPP) and ESO. The main goal of the Cluster is to solve fundamental questions of astrophysics and cosmology (big bang, dark energy, dark matter, black holes, fundamental forces, nucleosynthesis etc.). The Excellence Cluster Universe provides a unique interdisciplinary research platform for astrophysicists, particle and nuclear physicists to face these challenges and find solutions. We are looking for

- **RESEARCH FELLOWS**
- **POSTDOCTORAL RESEARCHERS**
- **DOCTORAL STUDENTS**

In the **FELLOW PROGRAM** we search for excellent young scientists (experienced postdocs). Fellows are free to choose their own research field although an interest in strong collaboration with existing research groups is expected. The duration for contracts is two years. Fellows receive their own budget for running costs.

**POSTDOCTORAL RESEARCHERS** will work in specific groups and in well-defined projects, outlined in more detail in the specific job description on our website.

**DOCTORAL STUDENTS** will be assigned to specific projects and supervisors. The students will be enrolled at the respective supervisor's University that will also award the doctoral degree in physics. Doctoral students will follow a structured PhD program with their scientific progress being monitored by two independent advisors. The duration of the PhD program is three years.

Candidates of all groups are chosen in a competitive manner. They will benefit from the outstanding scientific infrastructure at the Garching Campus and the team-oriented, interdisciplinary work atmosphere. They will also be involved in transregional and international research activities. Furthermore, regular seminars, conferences and our extensive visiting-scientists program offer excellent opportunities for researchers to broaden their scientific horizon and embark upon new collaborations.

The advancement of women in science is an integral part of the Cluster's and the University's policy. Therefore, women are especially encouraged to apply. Persons with disabilities will be given preference to other applicants with equal qualifications.

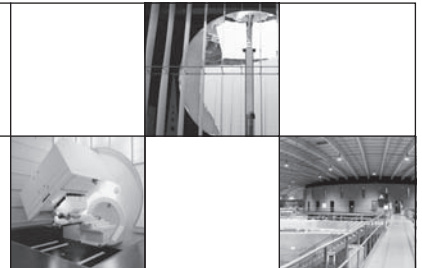
### Application:

Details on job vacancies and research of the Cluster can be found on our website <http://www.universe-cluster.de>. Applicants should complete the web-based application form in the respective jobs description (-> **jobs button**). Here you also find further information on deadlines and the application documents required.

### Contact:

Technische Universität München · Excellence Cluster Universe  
Dr. Andreas Müller · Boltzmannstrasse 2  
85748 Garching · Germany

PAUL SCHERRER INSTITUT



The Paul Scherrer Institut is a centre for multi-disciplinary research and one of the world's leading user laboratories. With its 1300 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 physics, energy and environmental research as well as on biology and medicine.

The Ultra-Cold Neutrons (UCN) group is driving the UCN source construction, pursuing a related research and development program, and preparing for important particle physics experiments to be performed at the new source. The flagship experiment will be an improved search for the electric dipole moment (EDM) of the neutron. For the participation in the construction and commissioning of a new Ultracold Neutron Source and related experiments we have a vacant tenure track position for an experienced and outstanding

## Research Scientist in Particle Physics

### Your tasks

- Characterization of the PSI UCN source, commissioning and measurements of the UCN source parameters
- Enhancement of the PSI UCN source
- Participation in precision experiments in low energy particle physics, e.g., the neutron electric dipole moment (nEDM) measurement

### Your profile

You have a PhD in experimental physics, preferentially with a strong background in experimental nuclear or particle physics. Experience with ultracold neutrons and/or with precision experiments would be an advantage. You have good knowledge in computing, mathematics, theoretical physics, and basics in electronics. You enjoy working in a highly motivated team in an international environment. A good command of English is required and knowledge of German would be helpful.

### We are looking forward to your application.

For further information please contact Dr. Manfred Daum,  
ph. +41 (0)56 310 36 68, e-mail: [manfred.daum@psi.ch](mailto:manfred.daum@psi.ch).

Applicants should submit a curriculum vitae, publication list (refereed journals only) and three letters of recommendation to:  
Paul Scherrer Institut, Human Resources, Mrs. Hedwig Habersaat,  
ref. code 1011-05, 5232 Villigen PSI, Switzerland,  
or [hedwig.habersaat@psi.ch](mailto:hedwig.habersaat@psi.ch).

Further job opportunities: [www.psi.ch](http://www.psi.ch)



The Advanced Photon Source facility at Argonne National Laboratory is seeking a skilled manager of high standing within the international particle accelerator community to serve as **Associate Division**

**Director** of its Accelerator Systems Division. The successful applicant will manage and coordinate the R&D efforts of the Accelerator Systems Division in cooperation with other divisions within Advanced Photon Source, Argonne, and other research institutions around the world.

This position requires a high level of expertise in state-of-the-art accelerator science and technology, including superconducting technology, and comprehensive skill in setting priorities and goals for enhancing accelerator systems in support of the Advanced Photon Source (APS) facility. The Associate Division Director must be capable of leading a large group of accelerator scientists and engineers in the development of novel accelerator systems at the APS in order to keep the facility at the forefront of x-ray science. Knowledge of research techniques used in material and condensed matter science desired. The applicant must be able to influence the direction of facility development to achieve maximum scientific results and to evaluate the technical quality and cost effectiveness of designs being developed and implemented by the Division and the APS.

The Associate Division Director will be called upon to demonstrate considerable skill in managing Technical Group Leaders in carrying out their responsibilities, which include safety management, recruiting, scheduling, and effectively allocating financial resources.

Interested candidates should submit a resume through the Argonne career website at <http://www.anl.gov/careers/index.html>, under job openings for **Requisition #312605**.

Argonne is a U.S. Department of Energy laboratory managed by UChicago Argonne, LLC.

Argonne is an equal opportunity employer, and we value diversity in our workforce.



Massachusetts Institute of Technology

It takes everyone at MIT to be MIT.

## Scientific Administrator

A research group of the Laboratory for Nuclear Science at MIT is currently leading an international collaboration of universities building a scientific detector for deployment on the International Space Station. The present phase of the work is ongoing at the European Center for Nuclear Research (CERN) in Geneva, Switzerland. The group is seeking a candidate to carry out organizational responsibilities including travel arrangements, accounts monitoring, maintaining communications with appropriate offices at CERN and MIT as well as other duties in support of the efficient running of the MIT team. Skills necessary include proficiency with computers, valid driver's license, effective communication skills in English and proficiency in French. Candidate must also be able to travel at short notice to Europe, U.S. and Asia and spend various durations of time at CERN, MIT, the Kennedy Space Center and the Johnson Space Center. Candidate must be able to work long hours and function well under time pressure in a highly technical environment. Weekend work is often required.

Candidate must have at least a Master's degree in engineering or physics.

**Applicants should submit curriculum vitae and arrange for at least 3 letters of reference to be sent to: Kenneth Hewitt, Massachusetts Institute of Technology, 26-516, 77 Massachusetts Avenue, Cambridge, MA 02139-4307.**

*MIT is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.*

<http://web.mit.edu>



UPPSALA  
UNIVERSITET

Uppsala University announces a position as

## Associate professor/ Senior Lecturer in Experimental Hadron Physics

(with the possibility of being employed as a Professor)  
at the Department of Nuclear and Particle Physics,  
Uppsala University.

The lectureship is intended to strengthen the present research program at FAIR, Darmstadt, using the PANDA detector, and at COSY, Jülich, using the WASA detector. The holder of the position is expected to engage in either or both of these research projects at a leading level. The position involves research and teaching to the same extent. The holder should also act as doctoral thesis adviser to graduate students involved in the research projects.

### Eligibility and Criteria for Ranking the Candidates

To be eligible for the lectureship a candidate must hold a doctoral degree. Grounds for promotion are scientific and pedagogical proficiency, with equal emphasis on both. "Scientific proficiency" refers to the applicant's own research and "teaching proficiency" refers to teaching, supervision and production of teaching materials.

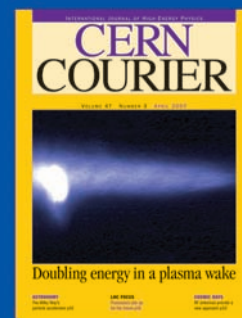
For further information about the position, please contact Prof. Tord Johansson, phone +46 18 4713886, e-mail: [tord.johansson@tsl.uu.se](mailto:tord.johansson@tsl.uu.se)

Information about the Department of Nuclear and Particle Physics can be found at <http://www.isv.uu.se>

Applications must be sent in before March 3, 2008, UFV-PA 2007/2551.

A full advertisement with information about how to apply can be sent for from [anita.ljungstrom@uadm.uu.se](mailto:anita.ljungstrom@uadm.uu.se) and can be found at [www.teknat.uu.se/english/index.php](http://www.teknat.uu.se/english/index.php)

## Essential reading for the worldwide physics community



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**IOP Publishing**



NATIONAL OBSERVATORY OF ATHENS  
NESTOR INSTITUTE for ASTROPARTICLE PHYSICS



### TENURED, TENURE TRACK AND POSTDOCTORAL POSITIONS IN NEUTRINO ASTROPARTICLE PHYSICS

The Greek Secretary General for Research and Technology has allocated to the National Observatory of Athens six tenured or tenure track positions to work on the planned Cubic Kilometer Neutrino Telescope at the NESTOR Institute for Astroparticle Physics / NOA, ([www.nestor.org.gr](http://www.nestor.org.gr)).

The NESTOR Institute is inviting interested physicists to enquire. The structure of Research Posts in Greece is RESEARCHER grade A,B,C and D corresponding to the University Posts of FULL, ASSOCIATE, ASSISTANT Professor and LECTURER. The Posts of Researcher A and B are tenured. Researcher C is on a definite tenure track, while Researcher D is for a fixed three year term at the end of which one is considered for promotion to Grade C. All posts are open to nationals of EU member states.

At this moment we are inviting interested experimentalists in the fields of Astrophysics, Particle, Astroparticle and Nuclear Physics to apply by January 31, 2008, for one post of Researcher C and one of Researcher D. We also invite applicants interested for the posts of Researcher A and B to send us expressions of interest including their CV's.

The NESTOR Institute has also several openings for three year Postdoctoral Positions, interested applicants are encouraged to apply.

Further information for all the above positions can be obtained by contacting the NESTOR Institute : [secretary@nestor.org.gr](mailto:secretary@nestor.org.gr)

## RESEARCH POSITION IN EXPERIMENTAL PARTICLE PHYSICS

### UNIVERSITY OF CALIFORNIA, SAN DIEGO (UCSD)

The High Energy Physics Group (<http://hep.ucsd.edu>) at UCSD seeks one or two researchers interested in a long-term leadership position in the group. Our group is playing a leadership role in the DAQ of the CMS experiment at CERN. Our group has been responsible for the development, deployment, and operations of the Event-Builder at CMS, a system comprising several hundred to a few thousand computers, and Myrinet as well as Gigabit networking infrastructure. The candidates are expected to play a key role in all aspects of this effort. Strong technical skills, and an interest in day-to-day operations of computing infrastructure are required in addition to strong written and verbal skills. At least one of the two positions requires a Ph.D. in a data intensive science, e.g. particle physics; postdoctoral experience or equivalent preferred. Title and level of appointment will be commensurate with qualifications and experience. Salary will be based on published UC pay scales. Review of applications will begin on January 31, 2008 and will continue until positions are filled. To apply, candidates should refer to position WPSC-CC and send a CV with names and addresses of references, electronically to [daqsearch@physics.ucsd.edu](mailto:daqsearch@physics.ucsd.edu) or by mail to: Professor James Branson, UCSD, 9500 Gilman Drive, MC 0319, La Jolla, CA 92093-0319.

*UCSD is an equal opportunity/affirmative action employer with a strong institutional commitment to excellence through diversity.*



ÉCOLE POLYTECHNIQUE  
FÉDÉRALE DE LAUSANNE

### Several postdoctoral research positions are available at the Laboratory for High Energy Physics of the Swiss Federal Institute of Technology in Lausanne (EPFL)

in the areas of detector R&D for scintillating fibre tracker with Silicon PMTs, and physics analysis of the LHCb data together with the responsibility to operate a CPU farm at EPFL, or to participate in the Silicon detector operation. We are actively working on Heavy Flavour Physics in the LHCb experiment at CERN, and also starting R&D in the area of FPGA-based readout electronics and precision tracking detectors. Applicants must have a PhD degree in high energy physics or a related field with relevant experience, and be less than 35 years old. The positions are available now and the initial appointment will be for one year, renewable up to a total of four years. Applications will be reviewed upon receipt until the positions are filled. Enquiries and applications, including CV and names of three references, should be sent via e-mail to our secretariat: [Erika.Luthi@epfl.ch](mailto:Erika.Luthi@epfl.ch)



### TECHNISCHE UNIVERSITÄT DRESDEN

At the **Faculty of Science** in the **Institute for Nuclear and Particle Physics** we have an opening for a **Research Assistant for Experimental Particle Physics** (E13 TV-L)

on a fixed-term position until 30.6.2013. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG).

**Duties:** playing a leading rôle in the analysis efforts of the local ATLAS group in close contact to the ATLAS collaboration at CERN. (Our activities within the BMBF Research Center ATLAS and the Helmholtz-Alliance "Physics at the Terascale" comprise data analysis and tool development for the search for Higgs Bosons beyond the Standard Model as well as commissioning of the ATLAS Liquid Argon Calorimeter.) Participation in the planned research and development of fast readout electronics for the forward calorimeters at the upgraded LHC and the International Linear Collider ILC will also be possible. The post comprises the usual teaching duties and offers the opportunity for a "habilitation".

**Qualification:** Ph.D. in Experimental High Energy Physics or equivalent experience, strong commitment to teaching, great potential for outstanding achievements as an independent researcher and for coordination of a research group.

Applications from women are particularly welcome. The same applies to the disabled.

Please submit your application together with your CV, summary of research interests, list of publications with own contributions, a copy of the certificate of your highest academic degree and three names of referees before **February 20, 2008** (Deadlines refer to the date on the postmark of the University's Post Room Service) to **TU Dresden, Fachrichtung Physik, Institut für Kern- und Teilchenphysik, Herrn Prof. Dr. M. Kobel, 01062 Dresden, Germany** or in electronic form to [kobel@physik.tu-dresden.de](mailto:kobel@physik.tu-dresden.de). (Please note: We are currently not able to receive electronically signed and encrypted data).



### Vacancy Announcement

Applications are invited for a 36 month post-doctoral position at Forschungszentrum Dresden-Rossendorf (Germany) starting from the 1st of April 2008. The successful candidate will hold a PhD in Physics and has background in solid-state physics or physical metallurgy with experience in atomic simulation and numerical mathematics.

Working field:

- Atomic modelling (e.g. molecular dynamics) of irradiation induced defects in reactor materials and their influence on mechanical properties
- Computer simulation of the interaction of dislocations with irradiation defects
- Model validation using experimental data

Application deadline: March 15, 2008 Ref. No. 02E/2008

Contact: Prof. F.-P. Weiss Tel: +493512603480 [f.p.weiss@fzd.de](mailto:f.p.weiss@fzd.de) <http://www.fzd.de>



### MARIE CURIE FELLOWSHIP POSITION AVAILABLE

A Post-doctoral Research position is offered for a period of 18 months starting March 1st 2008.

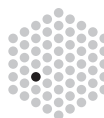
The person must be qualified in electronics & software for the development of high density pixelized semiconductor (CZT, CdTe) imaging instruments.

The position is located in Strasbourg (F) and Freiburg (D).

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EMBL is a leading international molecular biology research organisation and headquartered in Heidelberg (Germany), with Outstations in Grenoble (France), Hamburg (Germany), Hinxton (U.K.), and Monterotondo (Italy).

## Senior Technical Officer Biological Small Angle Scattering

The successful candidate will join the biological SAXS group (within Structural Biology Unit of the EMBL Hamburg), which runs a user-oriented synchrotron radiation X33 beamline on the storage ring DORIS-III. (S)he will provide technical and scientific assistance to the activities at the X33 beamline, participate in collaborative projects with external users, and will work on novel biological SAXS developments in collaboration with the group constructing the EMBL BioSAXS beamline at Petra-III/DESY.

The ideal applicant holds a PhD in a relevant field and has expertise in structure analysis of biological macromolecules using synchrotron X-ray scattering.

For further information please visit [www.embl.org/jobs](http://www.embl.org/jobs)

EMBL is an inclusive, equal opportunity employer offering attractive conditions and benefits appropriate to an international research organisation.

To apply, please send a CV (including names and addresses of referees) and covering letter, by e-mail, quoting ref. no. CC/07/198 in the subject line, to: [application@embl.de](mailto:application@embl.de)

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PAUL SCHERRER INSTITUT



ETH

Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zurich

## Professor in Experimental Particle Physics and Head of the Particle Physics Group at PSI

The Paul Scherrer Institute (PSI) and the Physics Department of the Swiss Federal Institute of Technology Zurich (ETH Zurich) have created a joint position. PSI operates the world's highest intensity muon beams and presently constructs the most intense ultra-cold neutron source. The new professor should focus his or her activity on precision measurements at low energies carried out at PSI and, in addition, act as head of the laboratory of particle physics of PSI.

The successful candidate is expected to have an internationally recognized expertise in the field of particle physics experimentation, detector development and construction, and in data analysis. He or she will be required to participate in teaching physics in all departments of ETH, including general introductory physics and specialized particle physics courses up to the level of the ETH Master's degree. Supervision of PhD students will also be requested. Courses at Master level may be taught in English.

Please submit your application, including your curriculum vitae, a list of publications, the names of at least 3 referees, and a short overview of your research interest, to the **President of ETH Zurich, ETH Zurich, Raemistrasse 101, CH-8092 Zurich, Switzerland, no later than February 29, 2008.** Questions referring to this position should be addressed to Prof. A. Rubbia ([rubbias@phys.ethz.ch](mailto:rubbias@phys.ethz.ch)) or Dr. R. Horisberger ([roland.horisberger@psi.ch](mailto:roland.horisberger@psi.ch)). With a view toward increasing the number of female professors, ETH Zurich specifically encourages qualified women to apply.

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## MARCH ISSUE

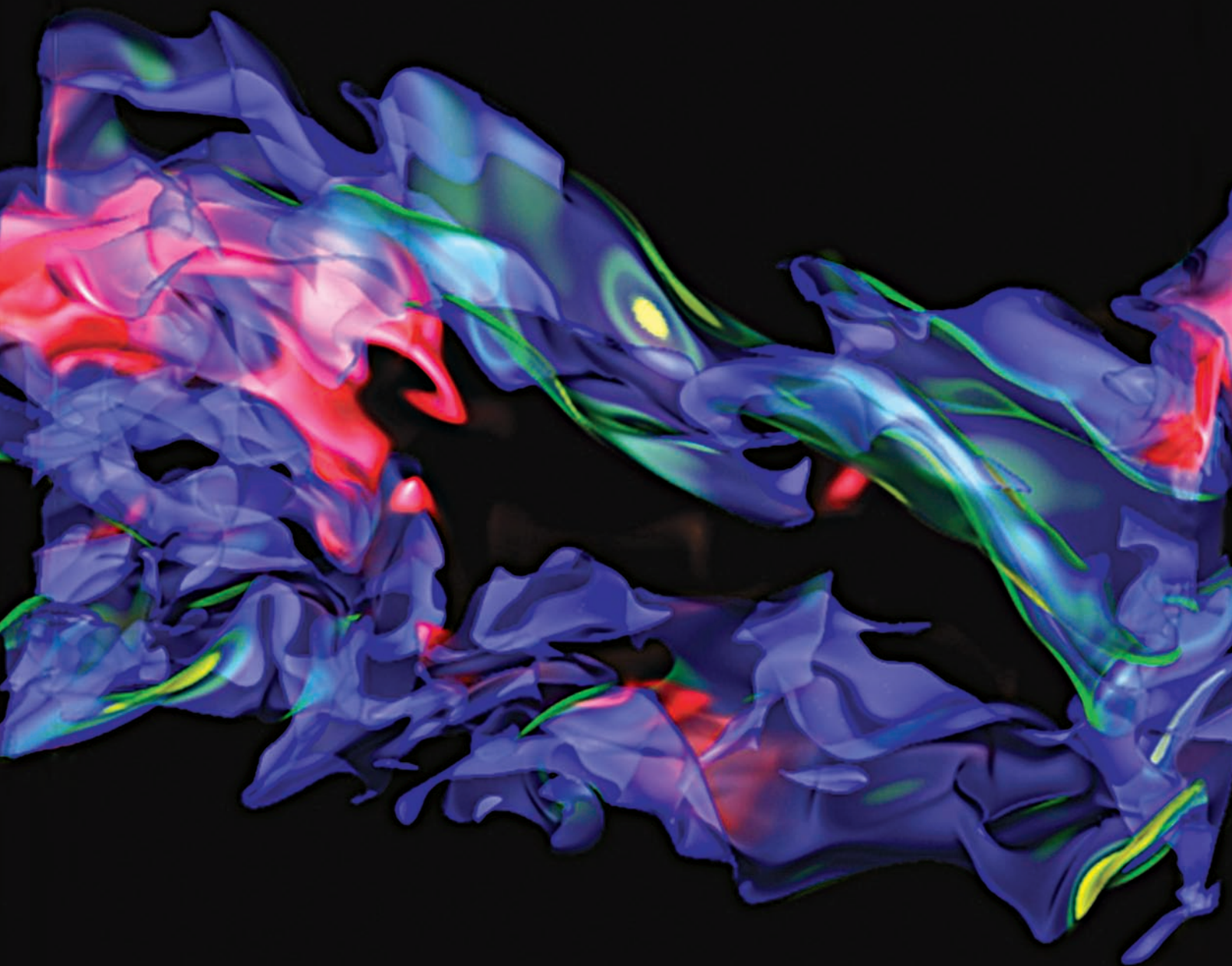
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for the significant development of computational science"*

**Yasuaki Kishimoto, Kyoto University, Japan**

**Editorial Board Member**

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Visualization of stoichiometric mixture fraction, scalar dissipation rate, and OH radical mass fraction variables in a turbulent CO/H<sub>2</sub> jet flame  
(image courtesy of **H Akiba** and **K-L Ma**, University of California, Davis, USA) **E R Hawkes**, **R Sankaran**, **J C Sutherland** and **J H Chen** 2005 *Journal of Physics: Conference Series* **16** 65–79.

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## Meeting Chairs

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[jeff.gelpey@mattson.com](mailto:jeff.gelpey@mattson.com)

**Robert J. Hamers**  
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[rjhamers@wisc.edu](mailto:rjhamers@wisc.edu)

**Paul Muralt**  
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[paul.muralt@epfl.ch](mailto:paul.muralt@epfl.ch)

**Christine A. Orme**  
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[www.mrs.org/spring2008](http://www.mrs.org/spring2008)

## Symposia

### ELECTRONICS, MAGNETICS, AND PHOTONICS

- A: Amorphous and Polycrystalline Thin-Film Silicon Science and Technology
- B: Materials and Devices for "Beyond CMOS" Scaling
- C: Advances in GaN, GaAs, SiC, and Related Alloys on Silicon Substrates
- D: Silicon Carbide—Materials, Processing, and Devices
- E: Doping Engineering for Front-End Processing
- F: Materials Science and Technology for Nonvolatile Memories
- G: Phase-Change Materials for Reconfigurable Electronics and Memory Applications
- H: Materials Science of High-*k* Dielectric Stacks—From Fundamentals to Technology
- I: Synthesis and Metrology of Nanoscale Oxides and Thin Films
- J: Passive and Electromechanical Materials and Integration
- K: Materials and Devices for Laser Remote Sensing and Optical Communication
- L: Functional Plasmonics and Nanophotonics
- M: Materials and Technology for Flexible, Conformable, and Stretchable Sensors and Transistors
- N: Materials and Processes for Advanced Interconnects for Microelectronics

### NANOMATERIALS, FUNDAMENTALS, AND CHARACTERIZATION

- O: Semiconductor Nanowires—Growth, Physics, Devices, and Applications
- P: Carbon Nanotubes and Related Low-Dimensional Materials
- Q: Ionic Liquids in Materials Synthesis and Application
- R: Coupled Mechanical, Electrical, and Thermal Behaviors of Nanomaterials
- S: Weak Interaction Phenomena—Modeling and Simulation from First Principles
- T: Nanoscale Tribology—Impact for Materials and Devices
- U: Mechanics of Nanoscale Materials
- V: Crystal-Shape Control and Shape-Dependent Properties—Methods, Mechanism, Theory, and Simulation
- W: Advances and Applications of Surface Electron Microscopy
- Y: Focused Ion Beams for Materials Characterization and Micromachining
- Z: Materials Structures—The Nabarro Legacy

### POLYMERS AND BIOMATERIALS

- AA: Conjugated Organic Materials—Synthesis, Structure, Device, and Applications
- BB: Signal Transduction Across the Biology-Technology Interface
- CC: Designer Biointerfaces
- DD: From Biological Materials to Biomimetic Material Synthesis
- EE: Responsive Biomaterials for Biomedical Applications
- FF: Molecular Motors, Nanomachines, and Active Nanostructures
- GG: Mechanical Behavior of Biological Materials and Biomaterials

### ENERGY AND ENVIRONMENT

- HH: The Hydrogen Economy
- II: Heterostructures, Functionalization, and Nanoscale Optimization in Superconductivity
- JJ: Materials Research for Electrical Energy Storage
- KK: Light Management in Photovoltaic Devices—Theory and Practice
- LL: Energy Harvesting—From Fundamentals to Devices
- MM: Health and Environmental Impacts of Nanoscale Materials—Safety by Design
- NN: Actinides IV—Basic Science, Applications, and Technology

### GENERAL INTEREST

- X: Frontiers of Materials Research
- OO: The Role of Lifelong Education in Nanoscience and Engineering
- PP: The Business of Nanotechnology

## Meeting Activities

### Symposium Tutorial Program

Available only to meeting attendees, the symposium tutorials will concentrate on new, rapidly breaking areas of research and are designed to encourage the exchange of information during the symposium.

### Exhibit

A major exhibit encompassing the full spectrum of equipment, instrumentation, products, software, publications, and services is scheduled for March 25–27 in Moscone West, convenient to the technical session rooms.

### Symposium Assistant Opportunities

Graduate students who are interested in assisting in the symposium rooms during the 2008 MRS Spring Meeting are encouraged to apply for a Symposium Assistant position. By assisting in a minimum of four half-day sessions, students will receive a waiver of the student meeting registration fee, a one-year MRS student membership commencing July 1, 2008, and a stipend to help defray expenses. The application will be available on our Web site by November 1.

### Career Center

A Career Center for MRS members and meeting attendees will be offered in Moscone West during the 2008 MRS Spring Meeting.

### Publications Desk

A full display of over 950 books will be available at the MRS Publications Desk. Symposium Proceedings from both the 2007 MRS Spring and Fall Meetings will be featured.

### Graduate Student Awards

The Materials Research Society announces the availability of Gold and Silver Awards for graduate students conducting research on a topic to be addressed in the 2008 MRS Spring Meeting symposia. All finalists will receive a waiver of the meeting registration fee and a one-year MRS student membership commencing July 1, 2008. The award prizes consist of \$400 and a presentation plaque for the Gold Awards and \$200 and a certificate for the Silver Awards. The application will be available on our Web site by October 1 and must be received at MRS headquarters by December 14, 2007.