



## August 2006

[Editorial](#) | [Publication Policy](#) | [Job Center](#) | [AAS Homepage](#) | [JOB AD SUBMISSION FORM](#)

---

[Large HTML File of All Jobs](#) | [PDF Copy](#) | [Back Issues](#) | [Current Job Register](#)

---

[Search Ads Posted before April, 2003](#) | [Search Ads Posted After April, 2003](#)

---

## Editorial

### Job Register Fee Change

The AAS Job Register has always had a 250 word limit per job announcement. This limit encourages the brief and informative description of jobs and greatly aids job seekers by limiting announcements to a reasonable length. In the past, we worked with institutions to edit their announcements to meet this limit, but this was always an inconvenience for both the AAS and the publishing institution.

Announcements beyond the 250 word limit can now appear, but will incur a \$0.25 per word surcharge. It is understood that some announcements must be longer than 250 words and this fee was set low so as not to incur an undue financial penalty on these lengthy announcements.

The Job Register announcement base rate remains at a very low rate compared to comparable services provided by other professional societies. The AAS will continue to strive to maintain a low rate for the announcement of employment opportunities, which we feel is of significant benefit to the astronomical community and continues to secure the AAS Job Register's position as the number one source for astronomical employment opportunities.

Kevin B. Marvel  
Deputy Executive Officer

## Publication Policy for the AAS Job Register

---

### Deadlines for submission

Job announcements may be submitted at any time and should be submitted well before the deadline so that any errors or difficulties can be resolved efficiently.

Job announcements must be received and paid for by the 15th of each month for publication in the subsequent issue of the *Job Register*.

**If payment is not received, then the announcement will not run in the next month's issue, but in the subsequent month's issue.** We recommend that submission and payment be made well in advance of the monthly deadline.

## **Examples**

Submit and pay by 15 October - Announcement will appear in the November *Job Register*

Submit and pay by 19 October - Announcement will appear in the December *Job Register*

Submit by 15 October, but pay after that date but before December 1- Announcement will appear in the December *Job Register*.

## **Rate Sheet**

For rate information please see the [job register submission form](#).

Employers must indicate how they will pay for their announcement at the time of submission.

We accept payment by:

Check, in US currency drawn on a US bank. VISA and MasterCard be sure to include expiration date.

Checks should be made payable to American Astronomical Society and sent to:

American Astronomical Society  
Attention Job Register Payment  
2000 Florida Ave., NW,  
Suite 400  
Washington, DC 20009-1231, USA  
FAX: 202-234-2560

The AAS is a small, scientific, non-profit organization.

The AAS Federal Identification number is 21-0735173.

In **very rare** circumstances a discount may be available for institutions from developing countries. In all cases, a formal petition for a reduced fee must be sent by email or FAX to the Deputy Executive Officer, [Dr. Kevin B. Marvel](#) requesting a discount and justifying the request.

In no case will the discount exceed a 50% reduction in the publishing fee or will discounts be available for more than one announcement per year.

## **Announcement Requirements**

The word count limit per listing is 250 words. For longer ads, a \$0.25 per word charge will be applied.

Jobs will not be published without the following:

1. Indication that the vacancy is *bona fide* and that the position has not been promised to anyone;
2. for first time publication, an application closing date that falls no earlier than the last day of the month of publication; and

3. a check or appropriate billing information as described above.

We encourage advertisers to provide URLs to relevant web sites with their job announcements or additional information (e.g. department homepage).

We also STRONGLY encourage employers to include in the postings information about benefits offered or to link to this information. This is especially important to clarify for post-doctoral or other non-permanent positions. We also encourage applicants to inquire and obtain a clear picture of the benefits at the time any offer is proffered.

Previously published position announcements may be re-published for additional months as long as the closing date is one month or more from the initial publication date of the job. Example: A job initially published in the January issue may be republished in the February issue and have a closing date in February.

The *AAS Job Register* cannot require overseas employers to comply with any U.S. regulations regarding employment discrimination.

## Submission

All jobs should be submitted using the [Web Submission Form](#) or, if necessary, send your advertisement by electronic mail to [jobs@aaas.org](mailto:jobs@aaas.org). If electronic mail is not available, job announcements, with payment are also accepted by US mail, and by FAX at 202-234-2560.

## AAS Postdoctoral Position Policy

The AAS Council has passed (1988) and reaffirmed (2003) a resolution stating that no postdoctoral position should require a candidate response prior to February 15 of each year. This policy applies to postdoctoral positions whose recruitment cycles follow the normal academic search timeline (offers in early spring to begin summer or fall of the same year). The text of this resolution is available on the [Council Resolution](#) webpage.

Employers should take this policy into account in their recruitment process.

## Frequency and Circulation

The *Job Register* is published monthly. On the average, 60 new jobs are announced in each issue. Since the *Job Register* is freely available to anyone with Internet access, circulation numbers are hard to estimate. In February 2001, over 6,000 unique IP addresses accessed the *Job Register*.

[Job Register statistics](#) are published on the Career webpages and in the Annual Report of the Society in the *Bulletin of the American Astronomical Society*.

The *Job Register* is published on the Web at: <http://members.aas.org/JobReg/Jobregister.cfm>.

## Member Notification

The AAS maintains a list of members that like to be notified when a New Job Register is posted. Members may be added to the *Job Register* email notice list by sending a message to [address@aaas.org](mailto:address@aaas.org).

## Jobs from Previous Months

**(Note: Some jobs reposted from prior months may have closing dates during the current month. Readers should pay careful attention to the posted closing dates.)**

**No. 22657**

**Tenure Track Position in Computational Astrophysics**

**UNIVERSITY OF CENTRAL LANCASHIRE**

**Centre for Astrophysics**

**Preston, Lancashire PR1 2HE**

**United Kingdom**

**Tel: +44 01772 892324**

**FAX: +44 01772 892933**

**URL1: <http://www.star.uclan.ac.uk/jobs/AcademicFellowship/>**

**(Application Details)**

**URL2: <http://www.uclan.ac.uk/cfa>**

**(Centre for Astrophysics)**

**URL3: <http://www.rcuk.ac.uk/acfellow/>**

**(RCUK Academic Fellows)**

**Email Submission Address: [HumanResources@uclan.ac.uk](mailto:HumanResources@uclan.ac.uk)**

**Email Inquiries: [bkgibson@uclan.ac.uk](mailto:bkgibson@uclan.ac.uk)**

***Attention: Human Resources/163A-09-06***

---

The Centre for Astrophysics at the University of Central Lancashire seeks to appoint an outstanding candidate to the title of RCUK Academic Fellow, within the area of Computational Cosmology and Galaxy Formation. Upon completion of this highly prestigious 5-year appointment, subject to the standard probationary period, the Fellow will be appointed to a permanent faculty position within the University. The successful Fellow will join one of the UK's most vibrant, rapidly expanding, collaborative, and sociable, astrophysical research institutes.

Expertise in modeling the formation and evolution of (a) the First Objects, (b) the chemical and energetic feedback of these Objects and their galactic progeny to the Cosmic Web, and or (c) the chemodynamical assembly histories of galaxies and clusters, is highly desirable. The Fellow should benefit from collaborative links with our newly-appointed Chair in Theoretical Astrophysics, Prof Brad Gibson, and the Centre's leadership role in the UK Southern African Large Telescope Consortium. The Fellow will be free to make extensive use of the University's dedicated SGI Altix 3700 High Performance Computing Facility, and is eligible to apply for time on the UK's world-leading suite of national High Performance Computational facilities. Ample opportunity exists to steer the University's future investment in High Performance Computing.

The closing date for the receipt of applications is 11 September 2006. Applicants should submit a copy of their CV, list of publications, research interests, and the contact details for three referees, along with the application form available from URL1 above; please quote reference number 163A-09-06 (RCUK Academic Fellow). We anticipate conducting interviews in early-October 2006, with an anticipated start-date as soon as possible thereafter. The appointment will be made at the University's Senior Lecturer scale, subject to negotiation.

The Centre for Astrophysics is located on the University's main campus, on a pleasant site in the city centre of Preston, nestled on the edge of the beautiful Ribble Valley and the Forest of Bowland Area of Outstanding Natural Beauty. The Lake District, Peak District, and Yorkshire

Dales are all within an hour, and the city is renowned for its outstanding parks and green spaces, as well as its vibrant pub and club scene. Both Manchester and Liverpool are within 45 minutes' reach.

For further information, contact Prof Brad Gibson: [bkgibson@uclan.ac.uk](mailto:bkgibson@uclan.ac.uk)

**No. 22658**

**Project Manager (Hobby-Eberly Telescope Dark Energy Experiment)**

**MCDONALD OBSERVATORY**

**The University of Texas at Austin**

**1 University Station C1402**

**Austin, Texas 78712-0259**

**USA**

**Tel: 512/471-3300**

**FAX: 512/471-1635**

**URL1: <http://www.utexas.edu/hr/empl/>**

**URL2: <http://www.as.utexas.edu/mcdonald/jobs/jobs.html>**

**Email Submission Address: [hard copy submissions preferred](#)**

**Email Inquiries: [director@astro.as.utexas.edu](mailto:director@astro.as.utexas.edu)**

***Attention: David L. Lambert, Director***

---

The McDonald Observatory of the University of Texas at Austin invites applications for the position of Project Manager to manage the modifications to the telescope and construction of the spectrographs required for the Dark Energy Experiment to be conducted on the Hobby-Eberly Telescope. The Hobby-Eberly Telescope's Dark Energy Experiment (HETDEX) is described at <http://www.as.utexas.edu/hetdex/>. HETDEX aims to be the first experiment to characterize the nature of the dark energy that makes up more than 70% of the energy in the Universe and is causing the expansion of the universe to accelerate. The question of what the Universe is made of is one of the most important in all of science. The project is expected to cost about thirty million dollars and take four years to design, build and commission. The project office will be located in Austin, Texas, and the telescope is located at McDonald Observatory near Fort Davis, Texas. This is a temporary job; job will terminate on or before December 31, 2010.

The position requires a Bachelor's degree in mechanical, civil, or electrical engineering or physics; a demonstrated ability to manage the construction of a large optical telescope or other high-technology project; experience in project organization, technical management, supervision of project staff and meeting specifications; experience in contract negotiation, contract monitoring, and the coordination of contractors' efforts through final installation and successful completion of such projects. Occasional overtime is required. Preferred are candidates who demonstrate ability to create budgets and implement schedule controls needed for timely cost-effective completion to specification of such projects in collaboration with scientists in a university environment; and are familiar with astronomical instrumentation and facilities.

The salary is open and includes excellent fringe benefits. Applications will be reviewed in August 2006 and will continue to be accepted until a candidate is selected. To apply, please visit <http://www.utexas.edu/hr/empl/> and refer to job # 060522010361. This is a security

sensitive position. Conviction verification conducted on applicant selected. THE UNIVERSITY OF TEXAS AT AUSTIN IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER.

**No. 22702**

**Astronomer**

**SMITHSONIAN ASTROPHYSICAL OBSERVATORY**

**60 Garden Street**

**MS 17**

**Cambridge, Massachusetts 02138**

**USA**

**Tel:**

**URL1: <http://cfa-www.harvard.edu/sao-home.html>.**

***Attention: Recruiter 455, (JP 26-36)***

---

Astronomer/Astrophysicist/Physicist (Interdisciplinary Scientist) Leads the Smithsonian Astrophysical Observatory's Very Energetic Radiation Imaging Telescope Array System Program (VERITAS), a new gamma-ray observatory at the F.L. Whipple Observatory in Amado, AZ. Oversees 4 12m gamma-ray optical reflectors in the GeV–TeV energy range and a 10m gamma-ray telescope array; develops telescopes and cameras for gamma-ray programs; directs the VERITAS Project Office; conducts and obtains funding for astronomy research programs; creates techniques for data reduction and analysis; submits findings to scientific journals; makes presentations; collaborates with scientists worldwide; participates in astronomy outreach programs; publicizes VERITAS; and supervises students, postdoctoral fellows, and scientists. Salary: \$74,074 to \$133,850, dependent on professional level.

May be filled by an Astronomer or Astrophysicist, GS-1330, or a Physicist, GS-1310, and is available at the 13, 14, and 15 Levels. Requires 1 year's specialized experience equivalent to the Grade 12 Level or higher; a broad knowledge of astronomy, astrophysics, and physics; expertise with gamma-ray observations and particle and computational physics; a record of publication in peer-reviewed journals; recent experience with astronomical instrument design, development, and construction; the ability to use modern computer techniques to analyze astronomical observations; a high degree of initiative and scholarly competence; excellent communication, teamwork, presentation, and independent-research skills; and the ability to spend an extensive amount of time in AZ for the next several years. Restricted to U.S citizens. Background screenings are required.

Relocation assistance is provided. Exceptionally qualified non-government candidates may be eligible for a recruitment bonus. Please visit <http://cfa-www.harvard.edu/sao-home.html> for more information.

## **New Jobs This Month**

**No. 22716**

**Research Astronomer Positions - Solar Physics, Stellar and Galactic Astrophysics**

**ARMAGH OBSERVATORY**

**College Hill**

**Armagh, Co Armagh BT61 9DG**

**Northern Ireland**

**Tel: +44 (0) 28 3751 2940**

**FAX: +44 (0) 28 3752 7174**  
**URL1: <http://star.arm.ac.uk/jobs/res-ast-2006/>**  
**(Armagh Observatory Web Site - Jobs)**  
**Email Submission Address: [lfy@arm.ac.uk](mailto:lfy@arm.ac.uk)**  
**Email Inquiries: [lfy@arm.ac.uk](mailto:lfy@arm.ac.uk)**

**Attention: The Administrator**

---

## RESEARCH ASTRONOMER POSITIONS AT ARMAGH OBSERVATORY

Two permanent Research Astronomer positions are available from 2006 December 1. The Observatory has full access to all UK facilities and is a member of the UK SALT Consortium.

Applicants must have a PhD in an appropriate discipline and current or previous postdoctoral employment in astronomy or a related science. It is desirable that candidates have strong research interests in any branch of solar physics, solar-terrestrial physics including climate, and stellar or Galactic astrophysics, which should strengthen or complement the Observatory's existing research profile in these areas. Candidates should also have observational, theoretical, computational or modelling expertise, and experience of obtaining and/or managing grants and running an independent research programme.

Starting salary in the range 31927 -- 47866 pounds (under review), depending on qualifications and experience. The positions are permanent posts subject to a normal retirement age of 65. Information about the Armagh Observatory may be obtained by consulting the web-site: <http://star.arm.ac.uk/> .

The closing date is 2006 September 8. Applicants should obtain an application pack from the Administrator or from the Observatory web-site, and send the completed application form together with a full curriculum vitae, statement of research interests and complete bibliography to: The Administrator, Armagh Observatory, College Hill, Armagh BT61 9DG, Northern Ireland (Tel: +44-(0)28-3752-2928; FAX: +44-(0)28-3752-7174; e-mail: [lfy@arm.ac.uk](mailto:lfy@arm.ac.uk) ). References from three referees should be sent to the Administrator by the closing date.

**No. 22717**

**US INTEGRAL Guest Investigator Facility Scientist (Astrophysicist)**

**UNIVERSITIES SPACE RESEARCH ASSOCIATION (USRA)**

**10211 Wincopin Circle, Ste. 620**

**Columbia, MD 21044**

**USA**

**Tel: 410-740-6247**

**FAX: 410-730-1359**

**URL1: <http://cpss.usra.edu/resume/index.html>**

**(electronic submission link)**

**Email Submission Address: [gpeles@seabrook.usra.edu](mailto:gpeles@seabrook.usra.edu)**

**Email Inquiries: [gpeles@seabrook.usra.edu](mailto:gpeles@seabrook.usra.edu)**

**Attention: Ginny Peles, AA3 - Procurement**

The NASA/Goddard Space Flight Center's Exploration of the Universe Division seeks an outstanding scientist to join the INTEGRAL Guest Investigator Facility staff. An opening is anticipated beginning in the summer or fall of 2006, under the soon-to-be-established Center for Research and Exploration in Space Science and Technology (CRESST).

The US INTEGRAL Guest Investigator Facility is responsible for providing various aspects of Guest Observer support to US participants in the European Space Agency's INTEGRAL mission. Duties for the successful applicant are expected to include data quality assessment and archiving, development and maintenance of online catalogs and web services, education and public outreach, technical and scientific support to Guest Observers, and independent scientific research pertaining to the INTEGRAL mission.

The successful candidate is expected to have a PhD in astrophysics or a closely related field, and have a record of scientific accomplishment documented by journal publications. He or she must work well as a member of a scientific R&D team. Previous experience with the analysis and interpretation of INTEGRAL or other gamma-ray astrophysics data is highly desirable. Excellent computational and communication skills are also considered to be a significant plus.

Salary is competitive, based on experience, and excellent fringe benefits are offered. Applications received before August 30 will receive full consideration. Submit application cover letter, curriculum vitae and contacts for at least three references to:  
<http://cpss.usra.edu/resume/index.html> (Electronic Submission link) and/or mail to:

Universities Space Research Association 10211 Wincopin Circle, Suite 620 Columbia, MD 21044 Attn: INTEGRAL-06

**No. 22721**

**Tenure-Track Faculty Position in Astroparticle Physics**

**DEPT. OF ASTROPHYSICS, RADBOD UNIVERSITY NIJMEGEN, THE NETHERLANDS**

**P.O. Box 9010**

**The Netherlands**

**Tel: +31-24-3652265**

**FAX: +31-24-3652424**

**URL1: <http://www.astro.ru.nl>**

**(Dept. of Astrophysics)**

**Email Submission Address: [pz@science.ru.nl](mailto:pz@science.ru.nl)**

**Email Inquiries: [kuijpers@astro.ru.nl](mailto:kuijpers@astro.ru.nl)**

***Attention: Mrs. M. van Hout, Human Resources, Faculty of Science***

---

The Department of Astrophysics of the Radboud University Nijmegen invites applications for a tenure-track faculty position at the rank of Assistant Professor. We seek candidates with a record of outstanding research in astroparticle physics. A PhD in astronomy or astrophysics is required as well as post-doctoral and teaching experience. Research at the Department is focused on high-energy astrophysics, compact objects, and astroparticle physics. We are strongly involved in the development of LOFAR for the detection of cosmic rays with radio methods. The successful applicant should play a leading role in future application of LOFAR for astroparticle physics. Astrophysics is part of the Institute for Mathematics, Astrophysics and Particle Physics (IMAPP) of the Faculty of Science. The Faculty offers a full curriculum in

Physics and Astronomy, and the candidate is expected to be able to teach astronomy both at the bachelors and masters levels. The Department is part of NOVA, the Dutch Research School for Astronomy, the national collaboration of the Dutch university astronomy institutes.

Monthly salary starts at 3000-3600 Euro gross, depending on experience. For more information please contact Prof. J. Kuijpers, Chair Dept. of Astrophysics, [kuijpers@astro.ru.nl](mailto:kuijpers@astro.ru.nl).

Applicants should send a curriculum vitae, publication list, description of research and teaching plans, and the names and email addresses of three referees to Mrs. M. van Hout, Human Resources, Faculty of Science, Radboud University Nijmegen, P.O. Box 9010, NL-6500 GL Nijmegen, The Netherlands under no. 62-7A-05 or email to [pz@science.ru.nl](mailto:pz@science.ru.nl). Deadline for applications is September 1, 2006 or until a suitable candidate is found.

**No. 22723**  
**Postdoctoral Scholar**  
**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**770 So. Wilson Ave.**  
**MS 100-22**  
**Pasadena, CA 91125**  
**USA**  
**Tel:**

***Attention: Mary Ellen Barba, Supervisor of Staff Operations***

---

The Spitzer Science Center at Caltech invites applications for a Postdoctoral Scholar to participate in the analysis and publication of data derived from several approved Spitzer programs studying young stars with IRAC and MIPS (including but not limited to Rebull et al., Spitzer program 20015, and Stauffer et al., Spitzer program 30022). The applicant will work directly with the team involved in the Spitzer GO (and GTO) programs (Rebull, Stauffer, et al.), but will also benefit from interaction with the star-formation community on the Caltech campus (Hillenbrand, Carpenter, Sargent, et al). The proposing team is heavily involved in a number of other star-formation projects, and the applicant would also be encouraged to participate in the analysis of those datasets.

Candidates for the position should have a Ph.D. degree in Astronomy or Physics. Preference will be given to applicants with experience in the analysis of Spitzer observations, and with a background and interest in the general topic of star formation and PMS stellar evolution. Previous experience with IDL and IRAF is desirable, as is experience with the UNIX or Linux operating systems.

Applicants should send a resume and the names, addresses, email addresses, and phone numbers of three professional references. Deadline for the applications is October 1, 2006. The position, currently funded for 2 years, is likely to be supplemented by participation in other on-going IPAC/SSC/JPL projects. Applicants should preferably be able to start their employment no later than January 2007. Caltech is an equal opportunity employer. Women, minorities, veterans, and disabled persons are encouraged to apply. EOE/AEE.

**No. 22724**  
**Assistant Professor**

**FURMAN UNIVERSITY**  
**3300 Poinsett Highway**  
**Greenville, SC 29613**  
**USA**  
**Tel:**

***Attention: Professor William Baker, Chair***

---

The Department of Physics at Furman University seeks applicants for a tenure tract position which will begin in January 2007. This position involves the participation in teaching at all levels in an undergraduate program which awards BS degrees in Physics and a Dual Degree in Engineering. The successful candidate must be highly motivated to work with undergraduates and have experience to demonstrate their teaching skills.

While teaching is a critical component of the position, research is another requirement. We are especially interested in research activities that will involve undergraduate physics majors in the research and that will complement our ongoing activities. Therefore, the Department of Physics seeks applicants whose research interests lie in optics, photonics, laser development, observational astronomy or theoretical astrophysics. Furman University is a co-participant in the new Townes Optics Institute located at Clemson University. As a part of the application materials, each applicant must submit a research plan in the form of a description of the activities that they will conduct and indicate how the students will participate.

Submit a curriculum vita, a list of three or more references which include institutional affiliation, telephone contact numbers and e-mail addresses, along with a cover letter and the research plan to Professor William Baker, Department of Physics, Furman University, 3300 Poinsett Highway, Greenville SC 29613. Applications will be accepted until September 1, 2006.

Furman University is a highly selective, private coeducational, liberal arts university with enrollment of 2600. Located in Greenville, SC on a 750 acre campus, the university is nationally acclaimed for its academic excellence and campus beauty. The institution combines strong emphasis on traditional liberal arts curriculum with developing interest in interdisciplinary pedagogy, in engaged learning and in creative uses of computer technology. Excellence in teaching is strongly emphasized; classes are small and faculty interact extensively with students.

Furman University is an equal opportunity and affirmative action employer.

**No. 22725**  
**New Lecturer in Planetary Physics**  
**UNIVERSITY COLLEGE LONDON**  
**Gower Street**  
**UK**  
**Tel: 020 7679 7155**  
**FAX: 020 7679 7145**  
**Email Submission Address: [hod.physast@ucl.ac.uk](mailto:hod.physast@ucl.ac.uk)**  
**Email Inquiries: [a.aylward@ucl.ac.uk](mailto:a.aylward@ucl.ac.uk)**

***Attention: Jonathan Tennyson, Professor***

---

University College London Department of Physics and Astronomy

New Lecturer in Planetary Physics

Ref: APL02

A vacancy exists to carry out research within the Atmospheric Physics Laboratory ([www.apl.ucl.ac.uk](http://www.apl.ucl.ac.uk)) in the Astrophysics Group ([www.star.ucl.ac.uk](http://www.star.ucl.ac.uk)) of the Department of Physics and Astronomy at UCL ([www.phys.ucl.ac.uk](http://www.phys.ucl.ac.uk)). Applications are invited from atmospheric physicists, or those in allied disciplines, to strengthen the team working on modelling of planetary atmospheres. Applicants should have a good research track record and be able to display initiative and independent thought. The group plays a major role in the UCL-Birkbeck Centre for Planetary Physics and Astrobiology to which the post-holder should contribute. The successful candidate will be expected to teach at undergraduate and postgraduate level, and to take an active role in planning and managing the planetary modelling research of the group, and in particular a projected MSc in Planetary Physics. Candidates wishing to transfer a long-term fellowship are welcome to apply.

The salary will be in the Lecturer range: £28,010 to £37,642, plus London Allowance £2,400 and relocation benefits. The appointment grade will be commensurate with accomplishment and experience.

Informal enquiries can be made to Professor Alan Aylward, Head of the APL ([a.aylward@ucl.ac.uk](mailto:a.aylward@ucl.ac.uk)). Further details are available at: <http://www.phys.ucl.ac.uk/people/vacancies/> Application forms can be downloaded from: [http://www.ucl.ac.uk/hr/docs/download\\_forms/job\\_app.doc](http://www.ucl.ac.uk/hr/docs/download_forms/job_app.doc) Applications, accompanied by a full CV, including a statement of research interests and plans, plus contact details of three referees, should be sent to Prof. J. Tennyson, ([hod.physast@ucl.ac.uk](mailto:hod.physast@ucl.ac.uk)), the Head of Department of Physics and Astronomy, University College London, Gower Street, London WC1E 6BT.

Candidates should arrange for references to be emailed to the Head of Department ([hod.physast@ucl.ac.uk](mailto:hod.physast@ucl.ac.uk)) by the closing date.

Closing date for applications is August 31 2006. Interviews will be held on 14 September 2006.

**No. 22726**

**Tenure Track Position in Extragalactic Astronomy**

**DEPARTMENT OF ASTRONOMY, INSTITUTE OF PHYSICS, UNIVERSIDAD DE GUANAJUATO**

**Loma del Bosque 103**

**Lomas del Campestre**

**Leon, Guanajuato (GTO) C.P. 37150**

**Mexico**

**Tel: +52-477-788-5100**

**FAX: +52-477-788-5100**

**URL1: <http://www.astro.ugto.mx>**

**(Dept. of Astronomy, homepage)**

**Email Submission Address: [secrea@fisica.ugto.mx](mailto:secrea@fisica.ugto.mx)**

**Email Inquiries:** [heinz@astro.ugto.mx](mailto:heinz@astro.ugto.mx)

**Attention:** *Ana Laura Benavides, Dra.*

---

The Department of Astronomy of the Institute of Physics of the University of Guanajuato (Mexico) invites applications for a tenure-track faculty position to begin by November 2006. We seek a researcher/lecturer in our lines of research "Observational Cosmology" or "Formation and Evolution of Galaxies" (see <http://www.astro.ugto.mx> ). Interest in instrumentation or theory will be an asset, and other areas of astronomical research may be considered. Responsibilities include teaching at both undergraduate and graduate level, research, participation in public outreach, and administration.

Applicants should have a PhD in Astronomy or Physics with several years of postdoc experience, show evidence of outstanding accomplishments in research, have a demonstrated capacity in teaching and interest in supervision of theses, the potential to motivate students and develop significant research programs with them, and the willingness to work as a team member in a small group. The candidate will teach graduate courses (English or Spanish) and undergraduate ones (Spanish).

Candidates should submit (a) letter of application including a statement of earliest date available, (b) extended CV with publication list, (c) research plan for 1--2 years, (d) documents demonstrating his/her academic accomplishments, and (e) two letters of recommendation to both of the following addresses, by September 15, 2006:

Dra. Ana Laura Benavides, Instituto de Fisica, Universidad de Guanajuato, Loma del Bosque 103, Lomas del Campestre, Leon GTO 37150, Mexico, (email: [secrea@fisica.ugto.mx](mailto:secrea@fisica.ugto.mx) , phone/FAX +52-477-788-5100 ext. 8414/8410) and Dr. Heinz Andernach, Head of Search Committee, Astronomy Department, Apdo. Postal 144, Guanajuato, GTO 36000, Mexico (FAX +52 473 732 0253)

**No. 22727**

**ADAPTIVE OPTICS LASER SYSTEM SUPPORT ENGINEER  
CALTECH OPTICAL OBSERVATORIES (COO) / PALOMAR OBSERVATORY**

**Tel:**

**URL1:** [http://www.recruitingcenter.net/clients/CalTech/publicjobs/controller.cfm?jbaction=JobProfile&Job\\_Id=13033&esid=az](http://www.recruitingcenter.net/clients/CalTech/publicjobs/controller.cfm?jbaction=JobProfile&Job_Id=13033&esid=az)

*(job description and web application)*

**Email Inquiries:** [barbara.rafael@caltech.edu](mailto:barbara.rafael@caltech.edu)

**Attention:** [http://www.recruitingcenter.net/clients/CalTech/publicjobs/controller.cfm?jbaction=JobProfile&Job\\_Id=13033&esid=az](http://www.recruitingcenter.net/clients/CalTech/publicjobs/controller.cfm?jbaction=JobProfile&Job_Id=13033&esid=az)

---

Salary Grade: U42/U43 Anticipated Hiring Range: U42 = \$55,000 - \$65,000 OR U43 = \$65,000 - \$80,000

Background

The Palomar Observatory operates a pulsed Sodium Laser (8W) on the Hale 5.1m telescope.

Together with the Palomar Adaptive Optics System (Palm AO), this enables high resolution Laser Guide Star (LGS) imaging over a larger fraction of the sky by using a Sodium return beacon for AO correction, and a natural guide star for tip-tilt correction.

### Summary

Palomar Observatory seeks a qualified person to be responsible for maintenance and operations of the laser and associated servo and electronics equipment. Will work at night during scheduled LGS-AO observing, and provide technical support to the observers. Will coordinate Laser operations, and will be responsible for routine laser guide star operations and programmed maintenance with Palomar, Caltech and JPL staff. Also works on other Observatory equipment as needed and may act as Laser Safety Officer. The position is based at Palomar Observatory, and requires both night-time and day-time work as assigned.

### Minimum Requirements

Bachelor of Science in Physical Sciences, Engineering or Laser Optics, or equivalent experience

Three years progressive experience implementing and maintaining electronics or servo-control systems or laser optics or equivalent experience.

The selected candidate must pass a post-offer physical examination to be hired for this position.

Caltech offers a competitive salary, commensurate with qualifications and experience, as well as an excellent benefits package.

To view a complete job description or list of Caltech open staff positions, please visit us at [www.Caltech.edu](http://www.Caltech.edu).

### **No. 22728**

**Astronomer/ Astronomy Educator  
CONVENT OF THE SACRED HEART**

**1177 King Street  
Greenwich, CT 06831**

**USA**

**Tel: 203-531-6500**

**FAX: 203-531-5206**

**URL1: <http://www.cshgreenwich.org>**

**Email Submission Address: [byrnea@cshgreenwich.org](mailto:byrnea@cshgreenwich.org)**

**Email Inquiries: [byrnea@cshgreenwich.org](mailto:byrnea@cshgreenwich.org)**

***Attention: Andrew Byrne, Dean of Faculty***

---

### Convent of the Sacred Heart Astronomer/Astronomy Educator Job Description

The Astronomer/Astronomy Educator is responsible for providing a stimulating and developmentally appropriate educational environment in a way that is in accordance with the

Goals and Criteria of a Sacred Heart education and the philosophy that implements it. This philosophy includes providing children opportunities to develop spiritual, cognitive, social, emotional, and physical skills. The Astronomer/Astronomy Educator is responsible to the Head of the Upper School and has the following responsibilities:

- Teach an astronomy class in the Upper School – 20-25% • If needed, teach one Physics 9 class in the Upper School – 25% • Care for and Maintain the Observatory and Telescopes • Organize and run a night “Skywatch” at least once a month • Advise Astronomy Club, Skyways • Develop proposed curriculum outline, PreS-12, set up schedule with faculty, and teach appropriate classes • Act as Resource/Astronomy Specialist to teachers in Lower, Middle, and Upper Schools • Act as Guest Lecturer for Non-Science Teachers • Maintain an active Astronomy page on school and network website • Research funding for Starlab™, a portable indoor planetarium –should we include this • Participate in programs such as Project Astro™ • Be proactive in astronomy integration

**No. 22734**

**MIT Pappalardo Fellowships in Physics**

**MIT**

**77 Massachusetts Ave.**

**Building NE25-4017**

**Cambridge, MA 02139**

**USA**

**Tel: 617-253-4800**

**FAX: 617-253-8554**

**URL1:**

<http://web.mit.edu/physics/research/pappalardofellowshipsprogram/pappalardofellowshi>  
(*On-line Nomination Form*)

**Email Submission Address: [breen@mit.edu](mailto:breen@mit.edu)**

**Email Inquiries: [breen@mit.edu](mailto:breen@mit.edu)**

***Attention: Ms. Carol Breen, Communications Administrator***

Call for Nominations: 2007-10 MIT Pappalardo Fellowships in Physics

Faculty and senior researchers within the international community of physics, astronomy or related fields are invited to nominate candidates for the 2007-10 MIT Pappalardo Fellowships in Physics competition.

Nominees must be young men or women of exceptional ability who have, or will have received, a doctoral degree in physics, astronomy or related fields by September 1, 2007. Nominations are submitted on-line from the program's web site at <http://web.mit.edu/physics/research/pappalardofellowshipsprogram/pappalardofellowshipsprogr>

The NOMINATION DEADLINE is FRIDAY, SEPTEMBER 8, 2006.

Three new Fellows will be selected for a three-year appointment each, running September 1, 2007, through August 31, 2010. Features of the fellowship include:

---independent, unrestricted choice of research direction within the MIT Department of Physics;

---competitive annual stipend of \$58,000 for first-year Fellows in the 2007-08 academic year, with an annual cost-of-living increase and \$5,000 per year in discretionary research funds;

---MIT Medical health insurance coverage for Fellows and their dependents;

---active faculty mentoring provided by weekly luncheons and monthly dinners with Department faculty and guests.

Participation in the annual MIT Pappalardo Fellowships competition is by faculty or senior researcher nomination only, from physics, astronomy or related fields. The fellowships program office cannot accept any materials from applicants without a validated faculty/senior researcher nomination form.

**No. 22735**

**2 Postdoctoral Fellows in Cosmology and Galaxy Evolution**

**UNIVERSITY OF EDINBURGH**

**Institute for Astronomy**

**Royal Observatory**

**Edinburgh, Lothian EH9 3HJ**

**Scotland**

**Tel: +44 131 668 8356**

**FAX: +44 131 668 8416**

**URL1: <http://www.roe.ac.uk/ifa>**

**(Institute for Astronomy)**

**URL2: <http://www.ed.ac.uk>**

**(University of Edinburgh)**

**URL3: <http://ph.ed.ac.uk>**

**(School of Physics)**

**Email Submission Address: [eg@roe.ac.uk](mailto:eg@roe.ac.uk)**

**Email Inquiries: [jap@roe.ac.uk](mailto:jap@roe.ac.uk)/[jsd@roe.ac.uk](mailto:jsd@roe.ac.uk)**

***Attention: Mrs E Gibson, Administrative Assistant***

---

University of Edinburgh School of Physics Institute for Astronomy

Postdoctoral Fellows in Cosmology and Galaxy Evolution

We have two, 3-year, PPARC-funded Postdoctoral Research positions at the Institute for Astronomy.

The first is in the general area of Statistical Cosmology within a group led by John Peacock, working towards an understanding of structure formation, and testing cosmological models using new generations of large surveys. Please Quote Ref: 3006127.

The second is centred around the forthcoming SCUBA2 Cosmology Survey. The successful candidate will join a group led by James Dunlop (PI of the SCUBA2 survey) which aims to use the combined resources of SCUBA2, Spitzer, and Herschel, along with the new generation of VISTA/UKIRT infrared surveys to revolutionize our understanding of the cosmic history of dust-enshrouded star-formation and AGN activity. Please Quote Ref: 3006131.

Applications from both observational and theoretical candidates with a strong background in cosmology/galaxy-evolution/data-analysis, and who will hold a PhD by the start of the appointment.

Fixed Term: 3 Years Salary Scale: £20,044 - £30,002 per annum Closing Date: 31 August 2006

Letters of reference from three referees should be sent directly to Mrs Liz Gibson, Institute for Astronomy, University of Edinburgh.

Applications must be made online at <http://www.jobs.ed.ac.uk> quoting the appropriate reference number.

**No. 22736**

**Staff Astronomer in High Resolution (Extragalactic) Radio Astronomy  
HARTEBEESTHOEK RADIO ASTRONOMY OBSERVATORY**

**PO Box 443**

**Krugersdorp, Gauteng 1740**

**South Africa**

**Tel: +27 (0)12 326 0742**

**FAX: +27 (0)12 326 0756**

**Email Submission Address: [roy@hartrao.ac.za](mailto:roy@hartrao.ac.za)**

**Email Inquiries: [roy@hartrao.ac.za](mailto:roy@hartrao.ac.za)**

***Attention: Roy Booth, Director, Professor***

---

In the course of expansion and preparation for the South African SKA demonstrator telescope, the Karoo Array Telescope, the South African National Facility for Radio Astronomy, Hartebeesthoek Radio Astronomy Observatory, has created a new position for a staff astronomer to work on high resolution observations in Extragalactic Radio Astronomy.

HartRAO participates in VLBI as part of both the EVN and the Southern Hemisphere VLBI Networks and the new appointee will be expected to have experience in interferometric observations and data processing. She/he will also be involved with the KAT project in an advisory capacity.

The observatory participates in the South African national masters education programme in Astronomy and Space Science, NASSP, and collaborates with the nation's universities in supervising research students. The Staff astronomer will also be expected to participate in these programmes.

Radio Astronomers with at least 3 years postdoctoral experience and a record of publications demonstrating independent research are invited to apply.

**No. 22737**

**Research Associate - Supernova Remnant**

**PENN STATE UNIVERSITY**

**Dept. of Astronomy & Astrophysics**

**525 Davey Lab.**

University Park, PA 16802  
USA  
Tel: 814 865 8485  
FAX: 814 863 3399  
URL1: <http://www.astro.psu.edu>  
Email Submission Address: [park@astro.psu.edu](mailto:park@astro.psu.edu)  
Email Inquiries: [park@astro.psu.edu](mailto:park@astro.psu.edu)

**Attention: Dr. Sangwook Park**

---

The X-ray Astronomy group of the Pennsylvania State University Department of Astronomy and Astrophysics has an opening for a Research Associate position. The successful applicant will participate in research on current and upcoming programs of supernova remnants and pulsar wind nebulae utilizing data obtained with Chandra, XMM-Newton, and Suzaku, including a deep 0.5 Million sec Chandra observation of supernova remnant G292.0+1.8. A Ph.D. in Physics, Astrophysics, or a related field is required. Expertise in X-ray data analysis on supernova remnants/pulsar wind nebulae is also required. The department has major research efforts utilizing X-ray data from the Chandra, XMM-Newton, Suzaku, and Swift satellites, and optical data from the 9 m Hobby-Eberly Telescope. The salary is commensurate with experience and competitive with other institutions. The appointment is for one year with the possibility of renewal contingent upon funding and satisfactory progress. The starting date is flexible, but no later than February 1, 2007 is preferred. Interested candidates should send a CV, cover letter, list of publications, and a short research statement to Dr. Sangwook Park, 525 Davey Lab, University Park, PA 16802. The applicant should also arrange three letters of reference to be directly sent to the same address. Review of the applications will begin immediately and will continue until the position is filled.

Further information can be obtained via e-mail from Dr. Sangwook Park at [park@astro.psu.edu](mailto:park@astro.psu.edu). Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

**No. 22738**  
**POSTDOCTORAL POSITION IN X-RAY ASTRONOMY**  
**ARGELANDER INSTITUTE FOR ASTRONOMY, BONN UNIVERSITY**  
Auf dem Huegel 71  
Germany  
Tel: +49-228-733642  
FAX: +49-228-734022  
URL1: <http://www.astro.uni-bonn.de/~reiprich/dark-energy/>  
(*Emmy Noether Research Group*)  
URL2: <http://www.astro.uni-bonn.de/english/index.php>  
(*Argelander Institute for Astronomy*)  
URL3: <http://www.mpifr-bonn.mpg.de/english/index.html>  
(*Max-Planck-Institute for Radioastronomy*)  
Email Submission Address: [reiprich@astro.uni-bonn.de](mailto:reiprich@astro.uni-bonn.de)  
Email Inquiries: [reiprich@astro.uni-bonn.de](mailto:reiprich@astro.uni-bonn.de)

**Attention: Thomas Reiprich, Dr.**

---

The Argelander Institute for Astronomy at Bonn University invites applications for a postdoctoral position in the Emmy Noether Research Group "Studying the Nature of Dark Energy with Galaxy Clusters" to begin shortly.

The successful candidate is expected to work primarily with T. Reiprich on XMM-Newton, Chandra, and Suzaku observations of galaxy groups and clusters in order to study the physics of the intracluster medium and perform cosmological tests. Additional duties may include occasional travel to the University of Virginia, the Max-Planck-Institute for Extraterrestrial Physics, or optical telescopes for observing runs on weak lensing studies. The appointment is for two years, extensions possible depending on availability of funds. The salary is based on the German federal public service scale (BAT IIa).

AlfA, together with the Max-Planck-Institute for Radioastronomy (located in the same building), constitutes one of the major astronomy centers in Germany. Excellent Linux-based computing facilities exist and direct access to a 38-processor computer allows fast parallelized data reduction.

The successful applicant must have completed all Ph.D. requirements (in astrophysics, physics, or a related field) before assuming the position. The starting date could be as early as October 2006, but later starting dates may be mutually agreed upon.

To apply, send a cover letter (indicating preferred starting date), curriculum vitae, list of publications, and (short) statement of research interests and experience to T. Reiprich. Please also arrange for three letters of recommendation to be sent. Email submission is preferred (PS or PDF formats). The deadline is September 15, but applications will be accepted until the position is filled.

Bonn University is an equal opportunity employer and particularly welcomes applications from women, disabled persons, and members of underrepresented groups.

**No. 22740**

**Visiting Assistant Professor of Physics and Astronomy  
COASTAL CAROLINA UNIVERSITY**

**Tel:**

**URL1: <http://www.coastal.edu/hreo>**

**(for online applications)**

***Attention: Human Resources***

---

The Department of Chemistry and Physics at Coastal Carolina University invites applications for a Visiting Assistant Professor position (one year appointment) in Physics and Astronomy to begin Fall 2006 semester. Ph.D. in Physics, Astronomy, or Astrophysics required. The successful candidate for this position will have a demonstrated interest in and commitment to innovative methods of undergraduate teaching. Teaching assignments may be in both lower and upper division Physics and Astronomy. The Department offers a major in Applied Physics, and has an active minors program. There is ample opportunity for collaborative work with the Departments of Chemistry, Marine Science, Biology, and Applied Mathematics.

Coastal Carolina University is a growing, state-supported liberal arts institution where emphasis is on undergraduate education, and growing importance is placed on faculty mentored student research projects and public service. Coastal Carolina University is located approximately nine miles from Myrtle Beach, South Carolina and enrolls more than 7,600 students. For more information on the University or Department, consult our web page at [www.coastal.edu](http://www.coastal.edu).

Application materials should be submitted electronically at: [www.coastal.edu/hreo](http://www.coastal.edu/hreo). Applicants will be asked to submit: letter of application, current curriculum vitae, statement of research and teaching interest, and the names and telephone numbers of three (3) professional references. Review of application materials will begin immediately and continue until the position is filled.

Coastal Carolina University is an EO/AA employer.

**No. 22741**

**Observatory Curator of Education and Programs**

**CITY OF LOS ANGELES, DEPARTMENT OF RECREATION AND PARKS, GRIFFITH OBSERVATORY**

**2800 E. Observatory Road**

**Los Angeles, CA 90027**

**USA**

**Tel:**

**Email Inquiries: [Heather.Tarumoto@lacity.org](mailto:Heather.Tarumoto@lacity.org)**

***Attention: Dr. Edwin C. Krupp, Director***

---

Observatory Curator of Education and Programs

The City of Los Angeles, Department of Recreation and Parks is seeking a dynamic and motivated individual to serve as the first Observatory Curator of Education and Programs for the Griffith Observatory. Responsibilities include developing and implementing all educational and scientific programs, curriculum, presentations and exhibits in the Observatory, and administration of the docent, educational interpreter, and community outreach programs. Qualified candidates for this position will have a Bachelor's degree in Astronomy, Physics or a related Physical Science plus four years of full-time paid professional experience supervising staff at an Observatory, Science Museum, or related facility involved in developing and implementing Astronomy and Physical Science exhibits. Advanced degree preferred. A Master's degree in Astronomy, Physics, or related physical science may be substituted for up to two years of the required experience on a year for year basis

Salary for this non-exempt, full-time position is \$69,843.60 to \$86,798.16 per year.

To apply, please send a letter of interest and your resume showing specific relevant experience. Resumes are requested by AUGUST 18, 2006 but will be accepted through AUGUST 31, 2006 to:

Dr. Edwin C. Krupp, Director Griffith Observatory Observatory Program Supervisor  
Recruitment 2800 E. Observatory Road Los Angeles, CA 90027

Letters and Resumes may also be emailed to Heather.Tarumoto@lacity.org

Additional information is available at <http://griffithobs.org>

The City of Los Angeles is an Affirmative Action - Equal Opportunity Employer.

**No. 22742**

**Post Graduate Researcher, Observational Cosmology and Astrophysics**

**UNIVERSITY OF CALIFORNIA, BERKELEY**

**Space Sciences Laboratory**

**7 Gauss Way**

**Berkeley, CA 94720-7450**

**USA**

**Tel: 510-642-1528**

**FAX: 510-542-0075**

**URL1: <http://snap.lbl.gov>**

**Email Inquiries: [evlinder@lbl.gov](mailto:evlinder@lbl.gov)**

***Attention: Judith Jones, Human Resource Manager***

---

The Space Sciences Laboratory (SSL) at the University of California, Berkeley seeks applicants for a postgraduate researcher in cosmology theory and/or analysis related to cosmological models and probes of the accelerating universe. The successful candidate will have the opportunity to work closely with members of the Supernova/Acceleration Probe (SNAP) project at the UC Space Sciences Lab and Lawrence Berkeley National Laboratory, designing a next generation experiment in dark energy.

A Ph.D. in Physics, Astrophysics or Astronomy; with an interest in research relevant to observational cosmology and astrophysics. Knowledge and competence in weak gravitational lensing or Monte Carlo statistical techniques is a plus. Excellent organizational, analytical and interpersonal skills are necessary, as is the ability to work effectively in a team environment and effectively interact with a broad range of colleagues. The position is for one year with a likely extension for one or two more years. Applicants should send a CV, list of publications, description of research interests, and three letters of reference to Ms. Judy Jones, at the above address. Consideration of applications will begin September 1 and continue while an open position remains. AAE/EOE. Reviewers should refer to the UC Berkeley Statement of Confidentiality found at: <http://apo.chance.berkeley.edu/evalltr.html>

**No. 22743**

**Postdoctoral position in X-ray astronomy**

**OBSERVATOIRE ASTRONOMIQUE DE STRASBOURG**

**11 rue de l'Universite**

**France**

**Tel: +33 3 90 24 24 16**

**FAX: +33 3 90 24 24 32**

**URL1: <http://astro.u-strasbg.fr/>**

**Email Submission Address: [hameury@astro.u-strasbg.fr](mailto:hameury@astro.u-strasbg.fr)**

**Email Inquiries: [hameury@astro.u-strasbg.fr](mailto:hameury@astro.u-strasbg.fr)**

**Attention: Jean-Marie HAMEURY, Dr.**

---

Applications are invited for a postdoctoral position in X-ray astronomy at Strasbourg Astronomical Observatory (France).

The observatory is one of the member institutions of the XMM-Newton Survey Science Center (SSC) which performs the processing of all XMM-Newton observations and carries out survey analysis. Within the consortium Strasbourg has the responsibility to extract and make available to the community archival information for all XMM-Newton fields. It also participates in the SSC follow-up/identification program for the serendipitous X-ray survey with particular emphasis on the galactic plane.

Among the astrophysical topics presently studied in Strasbourg are stellar coronae, neutron stars, compact binaries including ULX, AGN as well as X-ray emission from normal galaxies and starbursts.

In addition to his/her own scientific activities, the successful candidate will actively participate for about 40% of the time in SSC related activities; monitoring and testing of the local SSC systems and analysis and interpretation of the X-ray and optical data collected in the framework of the SSC galactic plane survey. There are no teaching duties.

The position is funded by the French spatial agency CNES. It is offered for one year and will normally be renewed for a second year. The starting date is October 1st 2006, but applications to start a few months later will be considered. The net salary is approximately 1700 euros/month (1800 if more than two years after PhD). Applicants should send a CV, bibliography, a statement of research interests and three letters of recommendation to Dr. J.M. Hameury, Director of the Observatory. Completed applications received by September 15, 2006, are assured full consideration. Informal enquiries can be directed to J.-M. Hameury (hameury@astro.u-strasbg.fr)

**No. 22744**

**FACULTY POSITIONS AT National Centre for Radio Astrophysics-Tata Institute of Fundamental Research, Pune, India**

**NATIONAL CENTRE FOR RADIO ASTROPHYSICS - TATA INSTITUTE OF FUNDAMENTAL RESEARCH**

**Pune University Campus**

**Post Bag 3, Ganeshkhind P.O.**

**Pune, Maharashtra 411007**

**India**

**Tel: + 91 20 25697107**

**FAX: + 91 20 25697257**

**URL1: <http://www.ncra.tifr.res.in>**

**(National Centre for Radio Astrophysics)**

**URL2: <http://www.gmrt.ncra.tifr.res.in>**

**(Giant Metrewave Radio Telescope)**

**URL3: <http://www.tifr.res.in>**

**(Tata Institute of Fundamental Research)**

**Email Submission Address: [dirncra@ncra.tifr.res.in](mailto:dirncra@ncra.tifr.res.in)**

**Email Inquiries: [deanncra@ncra.tifr.res.in](mailto:deanncra@ncra.tifr.res.in)**

**Attention: Prof. Rajaram Nityananda, Centre Director**

---

The National Centre for Radio Astrophysics (NCRA) at Pune, India, which is part of the Tata Institute of Fundamental Research (TIFR), Mumbai, India, invites applications from talented research workers for faculty positions at its Pune Campus. Research activities at NCRA are centered on radio astronomy, where the Giant Metrewave Radio Telescope (GMRT) which operates at low frequencies ( $\leq 1.4$  GHz), is a major international facility. The website (<http://www.ncra.tifr.res.in>) gives an idea of ongoing programmes, which include studies of local and redshifted neutral atomic hydrogen, pulsars and a variety of Galactic and extragalactic objects. NCRA has state of the art computing facilities, a modern well-stocked library and limited campus accommodation. Faculty members at NCRA are expected to spend fifty per cent of their time on group activities which include overseeing common facilities, user support, operations and upgrades at the GMRT, and user community (including student community) development. Applicants from other areas of astronomy or related fields, having potential synergy with the profile at NCRA are encouraged to apply, as are those with special technical skills in areas of hardware and software impinging on contemporary radio astronomy. Applications with a curriculum vitae and names of three or more referees should be sent to the Centre Director, NCRA, Pune University Campus, Pune 411 007, India. While applications are invited throughout the year, they will be screened and processed two or three times a year. Applications received on or before 30th September 2006 will be considered in the next meeting of the appropriate committees. Further enquiries via e-mail([dirncra@ncra.tifr.res.in](mailto:dirncra@ncra.tifr.res.in)) are welcome.

**No. 22745****POST-DOCTORAL POSITION ON MASSIVE STARS  
LABORATOIRE D'ASTROPHYSIQUE DE MARSEILLE**

Traverse du siphon - BP 8

France

Tel: 33 (0) 4 91 05 69 02

FAX: 33 (0) 4 91 66 18 55

Email Submission Address: [Jean-claude.bouret@oamp.fr](mailto:Jean-claude.bouret@oamp.fr)Email Inquiries: [Jean-claude.bouret@oamp.fr](mailto:Jean-claude.bouret@oamp.fr)**Attention: Jean-Claude Bouret, Dr.**

---

Applications are invited for a postdoctoral position to work on FUSE data at Laboratoire d'Astrophysique de Marseille, France. The appointment will be for an initial period of one year, with the possibility for an extension up to three years.

The successful applicant will work with Jean-Claude Bouret on the spectral modeling of a large sample of massive early-type stars, for which a complete spectral coverage has been obtained (from FUV with FUSE, to mid-IR with VLT/VISIR and SPITZER). Previous experience in spectroscopic analysis and working with codes such as TLUSTY and CMFGEN would greatly be appreciated. The candidate will also be encouraged to pursue his/her own research program in interaction with the group working with FUSE data at LAM. The interests of the group include massive early-type stars, interstellar matter, circumstellar disks and stellar activity of young objects, extrasolar planets.

Additional informations can be asked to Jean-Claude Bouret (Jean-Claude.Bouret@oamp.fr) and/or Cecile Gry (Cecile.Gry@oamp.fr). Interested people should send a letter of interest with a curriculum vitae, bibliography, research plan and arrange for three letters of recommandation. Completed applications received by September 30, 2006 are assured full consideration.

**No. 22746****Experimental Research Associates to support development of quasi-optical components for Sub-mm Astronomy****CARDIFF UNIVERSITY****Cardiff University****The Parade****Cardiff, Cardiff CF24 3AA****Wales, UK****Tel: +44 2920 874643****FAX: +44 2920 874056****URL1: <http://www.astro.cf.ac.uk/groups/instrumentation/>****(Astronomy Instrumentation Group webpage)****URL2:****<http://www.cardiff.ac.uk/schoolsanddivisions/divisions/humrs/jobs/academicresearchse/>****(Cardiff University Job Register)****Email Submission Address: [Peter.Ade@astro.cf.ac.uk](mailto:Peter.Ade@astro.cf.ac.uk)****Email Inquiries: [Peter.Ade@astro.cf.ac.uk](mailto:Peter.Ade@astro.cf.ac.uk)*****Attention: Peter Ade, Prof.***

---

The Cardiff Astronomy Group is developing new far-infrared/submillimetre wave instrumentation and techniques for use in ground, balloon and space borne observatories.

Two fixed-term positions are available for Research Associates to support the design, fabrication and performance verification of quasi-optical components for millimetre-wave astronomy - including filters, antennas, planar circuits and detectors. The applicants should possess:

- \* excellent scientific and technical skills
- \* be able to use modern laboratory equipment
- \* experience in the design and simulation of microwave circuits, planar transmission lines, waveguides and antennas
- \* experience in the use of packages ADS and HFSS

The salary for these posts will be in the range of £20,044 - £30,002 pa (RA 1A) depending on experience. Informal enquiries can be made to Prof Peter Ade on +44 (0) 29 2087 4643 or via e-mail: [Peter.Ade@astro.cf.ac.uk](mailto:Peter.Ade@astro.cf.ac.uk)

For further information and an application form please contact our 24 hour recruitment line on +44 29 20874017 or e-mail [vacancies@cardiff.ac.uk](mailto:vacancies@cardiff.ac.uk) quoting reference 2006/0445. Completed

applications should be returned by 31st August 2006 to HR Directorate, McKenzie House, 30-36 Newport Road, Cardiff, CF24 0DE, UK

**No. 22747****Postdoctoral Position in CMB OBSERVATIONAL COSMOLOGY****MCGILL UNIVERSITY**

Tel:

URL1: <http://www.physics.mcgill.ca/~mdobbs/>*(McGill Cosmology Lab)*Email Submission Address: [Matt.Dobbs@McGill.ca](mailto:Matt.Dobbs@McGill.ca)Email Inquiries: [Matt.Dobbs@mcgill.ca](mailto:Matt.Dobbs@mcgill.ca)***Attention: Prof. Matt Dobbs***

---

The new experimental cosmology group at McGill is growing. We focus on the design, construction, deployment, and analysis of next-generation experiments which probe the origins of the universe.

A new postdoctoral research position is available for an outstanding recent PhD with exceptional ability and promise. The successful candidate will contribute to the integration and deployment of the EBEX and/or POLARBEAR CMB polarization experiments.

Applicants should have experience in experimental astrophysics or a related field and a research interest in cosmology. A preference will be given to candidates having experience with cryogenic electronics, electronics (firmware programming experience is an asset), astronomical observations, and/or cosmology data analysis.

The start date for the position is negotiable. Salary will be commensurate with experience and be competitive with leading international research centers.

Please send a CV, list of publications, and statement of significant research contributions electronically (in pdf format) to: Prof. Matt Dobbs [Matt.Dobbs@mcgill.ca](mailto:Matt.Dobbs@mcgill.ca) and ask three references to email letters of recommendation directly to the same address.

Review of applications will begin in September, and continue until the position is filled.

Outstanding candidates are encouraged to apply for fellowships in tandem with their applications for this position, see

<http://www.mcgill.ca/gps/fellowships/grad/recruitment/tomlinson/> for McGill Tomlinson fellowships, [http://www.nserc.gc.ca/sf\\_e.asp?nav=sfnave&lbi=3a](http://www.nserc.gc.ca/sf_e.asp?nav=sfnave&lbi=3a) for NSERC PDF Fellowship (deadline mid-Oct, Canadian Citizens/residents only), [http://www.nserc.ca/sf\\_award\\_e.asp?nav=sfnave&lbi=nato\\_reg#general](http://www.nserc.ca/sf_award_e.asp?nav=sfnave&lbi=nato_reg#general) for NSERC NATO fellowships (Eastern European citizens only), and <http://www.space.gc.ca/asc/eng/sciences/scholarships-science.asp> for Canada Space Agency Fellowships (Canadians only).

McGill is an English speaking university located in the heart of downtown Montreal, a bilingual multicultural city with a European flavour. McGill is one of Canada's leading research universities.

**No. 22748**

**Postdoctoral Fellow in Stellar Evolution, Population Synthesis or Nucleosynthesis****MONASH UNIVERSITY****School of Mathematical Sciences****Wellington Road****Monash University, Victoria 3800****Australia****Tel: +61 3 9905 4428****URL1: <http://www.maths.monash.edu.au/~johnl/>****(Lattanzio's webpage)****URL2: <http://www.cspa.monash.edu.au/>****(Centre's webpage)****URL3: <http://www.maths.monash.edu.au/~johnl/sins/index.shtml>****(Research Group webpage)****Email Submission Address: [john.lattanzio@sci.monash.edu.au](mailto:john.lattanzio@sci.monash.edu.au)****Email Inquiries: [john.lattanzio@sci.monash.edu.au](mailto:john.lattanzio@sci.monash.edu.au)*****Attention: Professor John Lattanzio, Director***

---

Applications are invited for a postdoctoral research fellow to work on stellar nucleosynthesis and modelling within the Centre for Stellar and Planetary Astrophysics at Monash University, Australia. The successful applicant should be an active researcher with a PhD in astrophysics or a related discipline. Areas of specialization could include modelling of evolution and nucleosynthesis in AGB stars and/or supernovae, and/or stellar population synthesis and/or galactic chemical evolution.

Areas of active research at present include the composition and yields of AGB stars across all masses and compositions. Particular interest at present is on (a) the first generations of stars and the implications for the extremely metal poor halo stars; (b) Super-AGB stars and their yields; (c) abundance anomalies in globular cluster stars; (d) stellar yields and galactic chemical evolution; (e) pre-solar grain abundances and predictions from stellar models; (f) population synthesis and nucleosynthesis; (g) pre-solar grain predictions and distributions.

The work is funded by an Australian Research Council grant held jointly by John Lattanzio, Peter Wood, David Lambert, Ernst Zinner and Stan Woosley. The position is for a two-year fixed term, starting in Jan 1 2007 or earlier if possible.

The position is based at the Clayton Campus of Monash University in the suburbs of Melbourne, one of the world's "most livable cities". Melbourne is a large multi-cultural city (3 million people) and is arguably the centre of cultural activities in Australia, especially music. It is located on the coast and surrounded by wine country. Salary range: \$56,574 - \$ 60,728AUD per annum (Research Fellow Level A).

Applicants should send a CV, list of publications, and research interests to Prof John Lattanzio, CSPA, School of Mathematical Sciences, Monash University, Victoria 3800, Australia by August 31, 2006. They should also arrange for three letters of reference also to be sent to the same address.

**No. 22749****Visualisation Researcher/Astronomer**

**SWINBURNE UNIVERSITY**  
**Centre for Astrophysics and Supercomputing**  
**Mail 39 PO Box 218**  
**Hawthorn, Victoria 3122**  
**Australia**  
**Tel: +61-3-9214 8782**  
**FAX: +61-3-9214 8797**  
**URL1: <http://astronomy.swin.edu.au>**  
**Email Submission Address: [mbailes@swin.edu.au](mailto:mbailes@swin.edu.au)**  
**Email Inquiries: [mbailes@swin.edu.au](mailto:mbailes@swin.edu.au)**

***Attention: Matthew Bailes, Director***

---

The Swinburne Centre for Astrophysics & Supercomputing seeks to appoint a Visualisation Researcher/Astronomer at Academic Level B/C for an initial 5 year contract (renewable), salary range \$63,146-\$89,031 + 17% superannuation.

The successful applicant will advise and research on new directions in astronomy visualisation that utilise the Centre's infrastructure comprising the >300 processor supercomputing facility, gigabit network and 3D Virtual Reality (VR) theatre. The appointee will assist Centre staff and students to adopt visualisation methodologies and manage the VR Theatre.

The Centre has a successful history of commercialising visualisation products for research and public education. An essential aspect of this job will be the provision of support for these activities, including the development of new hardware and software solutions.

The position may involve supervision of programming staff, and the appointee will be encouraged to obtain their own PhD students to pursue either astronomy or visualisation research. The applicant must be prepared to teach advanced visualisation/programming in the undergraduate program of the faculty and support Swinburne Astronomy Online.

The successful applicant will be have highly developed programming skills (preferably in C/C++), sound knowledge of scientific computing in a Linux cluster environment, and experience with advanced visualisation programming (OpenGL or equivalent). Experience with the practices and language of astronomy is an advantage.

More information about this position may be obtained by contacting the Centre's Director, Professor Matthew Bailes ( [mbailes@swin.edu.au](mailto:mbailes@swin.edu.au) ). A full position description is available on the website. Applicants should forward a CV, full publication list and a 2 page statement about their suitability for the position to Professor Bailes by the closing date.

**No. 22750**  
**Two lectureships in astrophysics and cosmology**  
**UNIVERSITY OF BRISTOL**  
**Tyndall Avenue**  
**UK**  
**Tel:**  
**URL1: <http://www.bris.ac.uk/boris/jobs/ads?ID=52775>**  
***(Application material, more information)***

**Email Inquiries:** [Mark.Birkinshaw@Bristol.ac.uk](mailto:Mark.Birkinshaw@Bristol.ac.uk)

**Attention: Personnel Department (Position 12360)**

---

As one of the elements of a major strategic investment in the Physics Department, which includes a £44M development of research and teaching facilities and an injection of new posts, the University of Bristol invites applications for two Lectureships in Astrophysics. The successful applicants will have excellent research records or have demonstrated outstanding research potential, and will lead research in an area related to the Astrophysics Group's core interests in observational and theoretical work on the formation and cosmological evolution of galaxies and larger-scale structures, including the astrophysics and feedback of active galaxies.

The Bristol Astrophysics Group makes major use of international ground and space-based observational facilities in pursuit of its research aims, working from the lowest accessible radio frequencies, to CMB studies at cm and mm wavelengths, to significant programmes with the VLT and HST, and major studies with Chandra and XMM-Newton. The Group wishes these new appointments to consolidate and broaden its thematic research base.

The appointment will be on the Lecturer Grade B scale (salary currently in the range £28,850 - £37,643).

A further appointment, in experimental particle physics, will also be made. Consult the WWW site for further details.

Informal enquiries (not applications) may be made to Professor Mark Birkinshaw ([Mark.Birkinshaw@Bristol.ac.uk](mailto:Mark.Birkinshaw@Bristol.ac.uk)) or Professor Diana Worrall ([D.Worrall@Bristol.ac.uk](mailto:D.Worrall@Bristol.ac.uk)).

**No. 22751**

**Firestone Postdoctoral Fellowship 2006**

**SMITHSONIAN ASTROPHYSICAL OBSERVATORY**

**60 Garden Street, Mail Stop 47**

**Cambridge, MA 02138**

**USA**

**Tel: 617-495-7103**

**FAX: 617-495-7105**

**URL1: <http://cfa-www.harvard.edu/firestone/>**

**Email Submission Address: [postdoc@cfa.harvard.edu](mailto:postdoc@cfa.harvard.edu)**

**Email Inquiries: [postdoc@cfa.harvard.edu](mailto:postdoc@cfa.harvard.edu)**

**Attention: Fellowship Program Coordinator**

---

SMITHSONIAN ASTROPHYSICAL OBSERVATORY

THE FIRESTONE POSTDOCTORAL FELLOWSHIP 2006 AT THE MMT OBSERVATORY

The Firestone Postdoctoral Fellowship, funded by the Roger S. Firestone Foundation, will be available at the MMT Observatory (MMTO) near Tucson, Arizona, U.S.A., beginning in winter

of 2006-2007. The MMTO is a joint facility of the Smithsonian Astrophysical Observatory (SAO) and The University of Arizona (UA). The SAO is a member of the Harvard-Smithsonian Center for Astrophysics (CfA), whose main offices are in Cambridge, Massachusetts.

We are searching for a young investigator with a background in instrumentation and/or astronomical observations and data collection. This Fellow will assist in commissioning and optimization of new instruments, designed and built at SAO and UA, for the 6.5-m telescope at the MMTO. Three advanced instruments -- a wide field near-IR imager and multi-object spectrograph (MMIRS), a high-resolution echelle spectrograph (MAESTRO), and a wide-field multi-object optical spectrograph (BINOSPEC) -- are currently under development. Information on these instruments can be found at: <http://cfa-www.harvard.edu/oir/MMT/MMTI/index.htm> I. Information on MAESTRO and the MMTO can be found at: <http://lithops.as.arizona.edu/~jill/MAESTRO/> and <http://www.mmt.org> . Approximately 2/3 of the time of the Fellow will be spent in support of observatory efforts; 1/3 of his/her time is available for personal astronomical research.

The two-year duration of the position will allow the Fellow to work on the MMT's advanced instrumentation and to establish a collaborative stake in at least one large project to be carried out with the MMT telescope. In addition to competitive access to the MMTO, the Fellow will also have competitive access to the SAO telescopes at the Whipple Observatory. The position offers the combination of access to a large telescope, modern instrumentation, and collaboration with some of the best researchers in their fields.

The appointment is for two years, contingent upon availability of funds. Stipend for the 2006-2007 year will be approximately \$48,000. An annual research budget of approximately \$10,000 will be available for the appointee. The duty station for the Firestone Postdoctoral Fellowship will be at the MMT Observatory. Occasional travel to Cambridge may be required.

Application forms and instructions are available at <http://cfa-www.harvard.edu/firestone/> . Applications are due by September 15, 2006.

**No. 22752**

**Science Programme Manager for the XMM-Newton Survey Science Centre (SSC)**

**UNIVERSITY OF LEICESTER, DEPARTMENT OF PHYSICS AND ASTRONOMY**

**University Road**

**Leicester, Leics LE1 7RH**

**UK**

**Tel: +44 116 223 2758**

**FAX: +44 116 252 5140**

**URL1: <http://www.le.ac.uk/personnel/jobs/a&r.html>**

**(Leicester University appointments page)**

**URL2: <http://xmmssc-www.star.le.ac.uk/>**

**(XMM SSC website)**

**Email Submission Address: [recruitment3@le.ac.uk](mailto:recruitment3@le.ac.uk)**

**Email Inquiries: [mgw@star.le.ac.uk](mailto:mgw@star.le.ac.uk)**

***Attention: Personnel Services (Recruitment 3)***

---

Research Fellow RAI/RAII

We are seeking to fill the post of Science Programme Manager for the XMM-Newton Survey Science Centre (SSC) project. XMM-Newton is a major ESA satellite mission devoted to X-ray astrophysics and the Department leads the multi-national Survey Science Centre playing a key mission role carrying out science data processing, producing X-ray object catalogues and developing science software.

The successful candidate will be responsible for the management of the activities of the local SSC team and the coordination of the efforts of the SSC teams at other European institutes, with main emphasis on the scientific data processing activities and related software development and maintenance tasks. The post holder will also be responsible for liaison with the ESA XMM-Newton Science Operations team located in Spain.

Candidates should have a PhD in astrophysics or a closely related subject and have significant experience in the management and coordination of large-scale scientific data processing and/or survey astronomy projects.

This post is available immediately for 3 years in the first instance.

Further particulars of this appointment and application forms (required) are available from the Leicester University appointments web page (see link above). Please note that CVs will only be accepted in support of a fully completed application form.

**No. 22753**

**Data Management Specialist**

**AURA/NOAO**

**P. O. Box 26732**

**Tucson, AZ 85726-6732**

**USA**

**Tel: 520-318-8116**

**FAX: 520-318-8494**

**URL1: <http://www.noao.edu/dpp>**

**Email Submission Address: [hrnoao@noao.edu](mailto:hrnoao@noao.edu)**

**Email Inquiries: [csmith@ctio.noao.edu](mailto:csmith@ctio.noao.edu)**

***Attention: Human Resources Office***

---

The Data Products Program (DPP) of the National Optical Astronomy Observatory (NOAO), has an immediate opening for a highly motivated Data Management Specialist to join the DPP group based in Tucson, AZ. NOAO is leading an effort to construct a petabyte-scale national archive for ground-based, optical/infrared data from the next generation of large astronomical telescopes and detectors. The aim of the Data Products Program is to enable new kinds of scientific endeavor by creating end-to-end processing systems to generate data products of major scientific interest, to implement forefront tools and Web services for discovering, mining, and exploring them, and to serve these products to the world-wide community through its participation in the developing worldwide virtual observatory initiatives. The Data Management Specialist is primarily responsible for the high level day-to-day operation of this complex system, including overseeing automated pipeline processing of data as well as archive ingest and retrieval of the data.

Qualifications and skills: The position requires a broad range of experience in astronomical image processing and databases on UNIX systems. A university degree in Astronomy, Physics, Math, Electronic Engineering or Computer Science, or equivalent technical experience, is required. Two or more years of professional experience in astronomical image processing is desirable. Desired experience includes: • Knowledge of image processing, preferably of optical or infrared astronomical images using IRAF, MIDAS, IDL, or equivalent • Experience with astronomical archives • Working knowledge of UNIX-based computer operating systems, including Linux, • Some knowledge of UNIX-based relational database operations, including SQL preferably PostgreSQL or MySQL • Working knowledge of one or more UNIX scripting languages (perl, python, borne shell, etc.)

Additional information about the NOAO Data Products Program can be obtained at our website <http://www.noao.edu/dpp> . NOAO offers an excellent benefits package, competitive salary commensurate with experience, and an extremely attractive work environment. The DPP team is distributed between Tucson and La Serena, Chile, and close interaction with the operations based in the Chile is a key component of the program. The position will involve occasional trips to Chile and other destinations for collaborative work, training, and presentations.

Please apply electronically to: [hrnoao@noao.edu](mailto:hrnoao@noao.edu) (preferred) or mail to the address given below. Make reference to the Job Title: Data Management Specialist & Job #799 when submitting any materials. Applications should include a current resume with names of references and a cover letter detailing experience, education and background.

Human Resources Office National Optical Astronomy Observatory P.O. Box 26732 Tucson, Arizona 85726-6732 Email: [hrnoao@noao.edu](mailto:hrnoao@noao.edu) FAX: 520-318-8494

NOAO and NSO are affirmative action and equal employment opportunity employers. Preference granted to qualified Native Americans living on or near the Tohono O'Odham reservation.

NOAO and NSO foster a diverse research environment. Women and candidates from under represented minorities are particularly encouraged to apply.

**No. 22754**

**Extragalactic Astrophysics**

**UCLA, DEPARTMENT OF PHYSICS AND ASTRONOMY**

**2-707 Physics and Astronomy**

**Los Angeles, California 90095-1547**

**Tel: (310) 825-3440**

**FAX: (310) 206-0864**

**Email Submission Address: [chair@physics.ucla.edu](mailto:chair@physics.ucla.edu)**

**Email Inquiries: [chair@physics.ucla.edu](mailto:chair@physics.ucla.edu)**

***Attention: Joseph Rudnick, Chairman***

---

The Department of Physics and Astronomy at UCLA invites applications for a ladder faculty appointment in the area of Extragalactic Astrophysics. Candidates with either observational or theoretical research interests will be considered. A junior-level appointment is anticipated, but a senior level appointment may be considered. The successful applicant will have the

opportunity to capitalize on the strong infrared astrophysics program at UCLA and on the resources of the University of California Observatories. These resources include the Lick Observatory telescopes on Mt. Hamilton and the two 10-meter Keck telescopes. Candidates should submit a curriculum vita, statement of research interests, publication list, and the names and addresses of at least three references by the deadline of December 1, 2006. Hardcopy versions may be sent to: Chairman Joseph Rudnick, Extragalactic Astronomy Search Committee, Department of Physics and Astronomy, University of California Los Angeles, CA 90095-1547, or electronic versions may be sent to: [chairman@physics.ucla.edu](mailto:chairman@physics.ucla.edu). The University of California is an Equal Opportunity/Affirmative Action Employer.

**No. 22755**

**2007 Jansky Fellows**

**NATIONAL RADIO ASTRONOMY OBSERVATORY**

**Tel:**

**URL1:** [http://www.nrao.edu/administration/directors\\_office/jansky-postdocs.shtml](http://www.nrao.edu/administration/directors_office/jansky-postdocs.shtml)

**Email Submission Address:** [janskyad@nrao.edu](mailto:janskyad@nrao.edu)

**Email Inquiries:** [brodrigu@nrao.edu](mailto:brodrigu@nrao.edu)

***Attention: Jansky Ad***

---

The National Radio Astronomy Observatory (NRAO) announces the 2007 postdoctoral Jansky Fellowship program that provides outstanding opportunities for research in astronomy. The Jansky Fellows formulate and carry out investigations either independently or in collaboration with others within the wide framework of interests of the Observatory. Prior radio experience is not required and multi-wavelength projects leading to a synergy with NRAO instruments are encouraged. The NRAO also encourages applications from candidates with interest in radio astronomy instrumentation, computation, and theory.

The starting salary will be \$50,000 per year with an appointment duration of two years that may be renewed for a third year. There is a research budget of \$7,000 per year for travel and computing requirements. In addition, page charge support, as well as vacation accrual, health insurance, and a moving allowance are provided.

Up to three appointments will be made annually for positions at any of the NRAO sites (Socorro, NM; Green Bank, WV; and Charlottesville, VA). The Jansky Fellows are encouraged to spend time at universities working with collaborators during the course of their fellowship. In addition, up to three Jansky Fellow appointments will be made annually for positions that may be located at a US university or research institute. Frequent and/or long term visits to the NRAO sites are encouraged.

The NRAO web site at [http://www.nrao.edu/administration/directors\\_office/jansky-postdocs.shtml](http://www.nrao.edu/administration/directors_office/jansky-postdocs.shtml) provides a description of the application process and other relevant details. The candidates must receive their PhD prior to beginning the appointment.

The deadline for applications and letters of recommendation is November 17, 2006. The NRAO is an equal opportunity employer (M/F/H/V).

Award offers will be made by February 15, 2007 with the Fellowships expected to begin in September 2007.

**No. 22756****Astrophysicist-Observation Assistant  
SMITHSONIAN ASTROPHYSICAL OBSERVATORY**

Tel:

URL1: <http://www.cfa-harvard.edu/hr/postings/index.html>***Attention: Human Resources***

---

Observing Assistant Astrophysicist, GS-1330-07. Federal term appointment is 1 year with a possible extension to 4 years. Salary range \$31,209 to 40,569 + 24.5% differential pay.

As a recently commissioned telescope array, our observatory near the Summit of Mauna Kea, Hawaii currently has outstanding opportunities available to assist with observations and to participate in the continued testing and implementation of new software and cutting-edge equipment for our Submillimeter Array Telescope.

Responsibilities include: working at the 13,200 site for several nights each month; operating the array for science observations and ongoing engineering development; troubleshooting technical problems; Interpreting test results; and ensuring data quality and the safety of personnel, visitors, and equipment. Based in Hilo, Hawaii, a significant amount of time will be spent at the dormitory, located at a 9,000<sup>1</sup> elevation, that serves all Mauna Kea telescopes. The Submillimeter Array Telescope is the first interferometer devoted to observing in the submillimeter range (200 to 1000 GHz) and consists of eight 6-meter antennae.

Desired qualifications include: a B.S./B.A. in physics, astronomy, or a related field or equivalent experience; the ability to drive a 4WD vehicle on unpaved roads; experience in operating astronomical telescopes; and a continued interest in astronomical data acquisition.

Benefits include: health and life insurance, sick/vacation leave, and retirement coverage. Candidates require U.S. citizenship. Further details and application instructions can be found at <http://www.cfa-harvard.edu/hr/postings/index.html> (Job Posting 26-39). Closing date: August 31, 2006.

**No. 22757****Postdoctoral Research Associate of Relativistic Jet Phenomena in Active Galactic Nuclei (AGN)****PURDUE UNIVERSITY****525 Northwestern Ave.****West Lafayette, IN 47907-2036**

Tel: 765.494.5171

FAX: 765.496.2298

URL1:

Email Submission Address: [mlister@physics.purdue.edu](mailto:mlister@physics.purdue.edu)Email Inquiries: [mlister@physics.purdue.edu](mailto:mlister@physics.purdue.edu)***Attention: Matthew Lister, Professor of Physics***

---

Applications are invited for a postdoctoral position with Professor Matthew Lister on the study

of relativistic jet phenomena in active galactic nuclei (AGN). Prof. Lister is P.I. of the MOJAVE program, which is investigating the kinematics and polarization evolution of a large sample of AGN jets using the Very Long Baseline Array. Both observers and theorists are encouraged to apply.

The duration of this position is two years, with the possibility of renewal for an additional year contingent upon performance and continued funding. Benefits will be included. Candidates must hold a Ph.D. degree or equivalent in physics or astronomy. To apply, please send a vita, bibliography, a statement of proposed research describing how it relates to the MOJAVE program, and three letters of recommendation to: Professor Matthew Lister, Department of Physics, 525 Northwestern Avenue, Purdue University, West Lafayette, Indiana 47907-2036. The position will remain open until filled, although applications received before 1 September 2006 will receive first consideration. Purdue University is an Equal Opportunity/Equal Access/Affirmative Action employer.

**No. 22758**

**Solar Physics Post-Doctoral Position**

**MICHIGAN STATE UNIVERSITY**

**3261 Biomed Phys Sci Bldg**

**Dept of Physics and Astronomy**

**East Lansing, Michigan 48824**

**USA**

**Tel: 517-355-9200x2401**

**FAX: 517-353-4500**

**Email Submission Address: [solarpostdoc@pa.msu.edu](mailto:solarpostdoc@pa.msu.edu)**

**Email Inquiries: [solarpostdoc@pa.msu.edu](mailto:solarpostdoc@pa.msu.edu)**

***Attention: Solar Physics Post-Doctoral Position***

---

The Physics & Astronomy department of Michigan State University has a post-doctoral position available in solar physics. This person will work with Dr. Robert Stein to simulate solar magneto-convection and the propagation of waves in the solar atmosphere. Some minor code development is anticipated. The results of these simulations will be used to clarify the nature of supergranulation and the magnetic network, to understand local helioseismology inversion methods, and to compare with solar observations. Familiarity with IDL, VAPOR or other 3D visualization methods is desirable. Funding is available for up to three years, starting asap. First priority will be given to applications received by October 1, 2006.

Applicants should send a vita, bibliography with relevant preprints, and a description of research experience and interests to Robert Stein at the above address by surface mail or email and also arrange for three letters of recommendation to be sent to the same address by surface mail or email.

MSU is an affirmative action/equal opportunity institution. Women and minorities are encouraged to apply.

**No. 22760**

**Assistant Professor, Astronomy and Astrophysics**

**UNIVERSITY OF CALIFORNIA, SANTA CRUZ**

**1156 High Street  
University of California  
Santa Cruz, CA 95064  
Tel: 831-459-2844  
FAX: 831-459-5265  
URL1: [http://astro.ucsc.edu/about\\_us/employment.html](http://astro.ucsc.edu/about_us/employment.html)**

***Attention: Faculty Search Committee***

---

The Department of Astronomy and Astrophysics at the University of California, Santa Cruz invites applications for a faculty position at the Assistant Professor (tenure-track) level. We particularly seek qualified applicants with in expertise theoretical astrophysics, star formation, planetary astrophysics, and long-wavelength observational astronomy (infrared, millimeter, and submillimeter).

RANK: Assistant Professor (9 month basis); salary commensurate with qualifications and experience.

MINIMUM QUALIFICATIONS: Ph.D. or equivalent in Astronomy, Physics, Planetary Sciences, or related field by July 1, 2007; demonstrated record of research excellence and potential to obtain external funding, and a commitment to and talent for teaching at undergraduate and graduate levels.

POSITION AVAILABLE: July 1, 2007. Fall quarter instruction begins September 17, 2007.

Applicants should submit a curriculum vitae, a brief summary of research and teaching interests, and at least three letters of recommendation. Letters of recommendation will be treated as confidential documents.

It is the responsibility of the applicant to see that all materials, including letters, be sent to:

Faculty Search Committee Astronomy and Astrophysics Department University of California  
1156 High Street Santa Cruz, CA 95064 Please refer to search #673-07 in your reply.

CLOSING DATE: Applications received before November 15, 2006, will receive full consideration. UCSC IS AN AFFIRMATIVE ACTION/EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER WOMEN AND MINORITIES ARE ENCOURAGED TO APPLY

**No. 22762  
Data Analyst  
SPACE TELESCOPE SCIENCE INSTITUTE  
3700 San Martin Drive  
Baltimore, MD 21218  
USA  
Tel:  
FAX: (410)338-4477  
Email Submission Address: [execjob@stsci.edu](mailto:execjob@stsci.edu)  
Email Inquiries: [Plee@stsci.edu](mailto:Plee@stsci.edu)**

**Attention: Human Resources, Req. #515, Data Analyst**

---

Data Analyst- Experience the wonder of 21st century space exploration-far distant galaxies from the beginning of time, fiery stars born in clouds of gas and dust. You've seen the pictures; now be a part of the history. The Space Telescope Science Institute has openings for Data analysts in our Hubble Division. Data Analysts assist Hubble Space Telescope General Observers, Archival Researchers, and Instrument Scientists in the reduction and analysis of scientific, calibration, and engineering data. Additionally, they provide scientific and computational support for the scientific programs of staff scientists.

Applicants must have a Bachelor's degree in Astronomy, Physics, Astrophysics, or related fields (Master's is a plus) and have experience with astronomical research, familiarity with scientific computing, expertise in data analysis, knowledge of IRAF and/or IDL, or other software packages, and programming ability. Additional mathematical, statistical and computer skills are desirable. The ideal candidate will also possess strong verbal and written skills, work with a minimum of supervision, be self-motivated, and interact well with colleagues and outside groups. Starting salary is commensurate to education and experience. The Space Telescope Science Institute is located on Johns Hopkins Homewood University campus, offers an excellent benefits package, tuition reimbursement, competitive salaries, and a stimulating work environment.

Interested persons should mail or e-mail a cover letter with job number, current curriculum vitae and the names of three references to the address below. Resumes received by September 30, 2006 will receive full consideration. Women and minorities are urged to apply. EOE/AA/M/F/D/V

Space Telescope Science Institute Human Resources, Req #515 3700 San Martin Drive  
Baltimore, MD 21218

E-mail: [execjobs@stsci.edu](mailto:execjobs@stsci.edu)

Visit our website at [www.stsci.edu](http://www.stsci.edu)

---

American Astronomical Society, 2000 Florida Ave., NW, Suite 400, Washington, DC 20009,  
USA  
202-328-2010 \* FAX 202-234-2560 \* [www.aas.org](http://www.aas.org) \* [aas@aas.org](mailto:aas@aas.org)