



April 2006

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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. 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.

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. 21813

Radio Astronomer
NAVAL RESEARCH LABORATORY
4555 Overlook Ave., SW
Building 2/Room 277
Washington, DC 20375
USA
Tel: 202-767-0668
FAX: 202-404-8894
Email Submission Address: namir.kassim@nrl.navy.mil
Email Inquiries: namir.kassim@nrl.navy.mil

Attention: Dr. Namir Kassim, Research Physicist

The Remote Sensing Division of the Naval Research Laboratory (NRL) is seeking postdoctoral applications from those with experience in radio astronomy. The successful candidate will be expected to carry out innovative research programs using existing or planned low-frequency radio observations (e.g., with VLA, VLBA, Arecibo, GMRT, GBT). We seek candidates who would like to join an existing collaboration between NRL and Sweet Briar College to monitor for transient radio emission (e.g., the bursting transient GCRT J1745-3009) from Galactic and extragalactic sources.

NRL radio astronomers carry out a wide range of observational programs at the VLA, VLBA, and Arecibo Observatory, with a primary focus on the 74 and 330 MHz VLA and 330 MHz VLBA systems. The NRL-NRAO 74 MHz VLA system, with its 35 km baselines, is the highest angular resolution, highest sensitivity, low-frequency radio interferometer in operation today. With it, NRL scientists are beginning a sky survey of the northern hemisphere, the VLA Low-Frequency Sky Survey (VLSS). Inspired by the capabilities of the 74 MHz system, the Remote Sensing Division is overseeing the construction of the first elements in the Long Wavelength Array (LWA). When finished the LWA will provide wide-field imaging capabilities in the frequency range 20--80 MHz. The successful candidate will be expected to/have the opportunity to utilize these first elements for a variety of observations, including novel searches for radio transients.

Observational programs, such as a 74 MHz sky survey or ongoing 74 and 330 MHz Galactic center observations, including the transient monitoring program, are pursued both for their intrinsic astronomical interest as well as to help guide LWA calibration and imaging strategy and array configuration design. LWA will open a new window on the spectrum, with scientific applications in virtually all areas of astrophysics.

The opportunity exists for the successful candidate to involve Sweet Briar College (SBC) students in his or her research, and to present a series of guest lectures during SBC astronomy courses. SBC is a liberal arts college for women located near the Blue Ridge Mountains in central Virginia, less than hour from UVA and NRAO-Charlottesville, 3 hours from NRAO-Green Bank, and 3 hours from NRL in Washington DC.

Postdoctoral applications should be pursued through the National Research Council (NRC). NRL-NRC Associateships are awarded to persons who have held their doctorate for less than five years at the time the award is offered. Awards are for two years, with a third year extension for satisfactory accomplishments in the second year. Applicants will need to submit an original research proposal to be approved by the NRL-NRC advisor for subsequent evaluation by an external review panel chosen by the NRC. Deadlines for submission to the NRC are 1 August 2005, 1 February 2006, and 1 May

2006. The current award stipend is \$60,120.00 per year. US citizenship or legal permanent residency is required. Online applications can be submitted at <http://www.national-academies.org/rap>. For further information contact Dr. Namir Kassim at the above address. EOE/AE.

No. 21850**Radio Astronomer****NAVAL RESEARCH LABORATORY****4555 Overlook Ave., SW****Building 2/Room 277****Washington, DC 20375****USA****Tel: 202-767-0668****FAX: 202-404-8894****Email Submission Address: namir.kassim@nrl.navy.mil****Email Inquiries: namir.kassim@nrl.navy.mil*****Attention: Dr. Namir Kassim, Research Physicist***

The Naval Research Laboratory (NRL) is seeking postdoctoral applications from candidates with an interest in developing data reduction algorithms required by an emerging suite of ambitious radio telescopes, including the Long Wavelength Array (LWA) and the Extended Very Large Array (EVLA). Successful candidates are normally resident at NRL in Washington, DC, but the option exists for residency in either Albuquerque or Socorro, NM, proximate to the National Radio Astronomy Observatory's (NRAO's) Array Operations Center in Socorro. In all cases, the successful candidate will be expected to work closely with scientists developing computational solutions to challenges facing the new radio instruments.

NRL is part of the Southwest Consortium (SWC), a University-based consortium led by the University of New Mexico (UNM). The four institutions currently participating as full members of the Southwest Consortium (SWC) are: UNM; the University of Texas at Austin through its Applied Research Laboratories (UT-ARL); the Los Alamos National Laboratory (LANL) of the Department of Energy; and NRL of the Department of Defense.

The SWC is developing the Long Wavelength Array (<http://lwa.nrl.navy.mil>) that will explore the relatively neglected frequency regime below 80 MHz, by capitalizing on breakthrough ionospheric calibration techniques that finally permit development of very low frequency arrays larger than ~5 km. The ~400 km LWA will realize improvements in both angular resolution and sensitivity by at least 2-3 orders of magnitude. The LWA frequency range favors studies of non-thermal and coherent (both known and unknown) emission sources, unique absorption processes, and provides an intrinsic link to shock physics, high-energy phenomena, and the high-red-shift Universe.

NRL astronomers carry out a wide range of observational programs at the VLA, VLBA, GMRT, GBT, and Arecibo Observatory, with a primary focus on the 74 and 330 MHz VLA and 330 MHz VLBA systems. The NRL-NRAO 74 MHz VLA system, with its 35 km baselines, is the highest angular resolution, highest sensitivity, low-frequency radio interferometer in operation today, and constitutes Phase 0 of the LWA. Observational programs, such as the ongoing Very Low Frequency Sky Survey (<http://lwa.nrl.navy.mil/VLSS/>) and ongoing 74 and 330 MHz Galactic center observing programs (<http://rsd-www.nrl.navy.mil/7213/lazio/GC/>) are pursued both for their science and also to address challenges for future low-frequency interferometers. Since the best way to solve technical problems is

with real data, the successful candidate will be encouraged to pursue astronomical research using real low frequency data, while at the same time developing the innovative algorithms to maximize the scientific value of the data.

Postdoctoral applications should be pursued through the National Research Council (NRC). NRL-NRC Associateships are awarded to persons who have held their doctorate for less than five years at the time the award is offered. Awards are for one year, with a second year extension for satisfactory accomplishments in the first year. Applicants will need to submit an original research proposal to be approved by the NRL-NRC advisor for subsequent evaluation by an external review panel chosen by the NRC. Deadlines for submission to the NRC are 15 August 2005, 15 November 2005, and 15 February 2006. The current award stipend is \$60,120.00 per year. US citizenship is required. Application materials can be obtained by writing to the Associateship Programs Office, TJ 2114, National Research Council, 2101 Constitution Ave. NW, Washington DC 20418 (email: rap@nas.edu or <http://www.nas.edu/rap/>). For further information contact Dr. Namir Kassim at the above address. EOE/AEE.

No. 21984

Postdoc in Infrared Astrophysics
NAVAL RESEARCH LABORATORY
4555 Overlook Ave SW
Building 2, Room 240A
Washington, DC 20375
USA

Tel: 1-202-767-3058

FAX: 1-202-404-8894

URL1: <http://rsd-www.nrl.navy.mil/7213/IR/>
(IR Astrophysics at NRL)

URL2: <http://http://www.national-academies.org/rap>
(NRC postdoc information and application)

Email Submission Address: Jackie.Fischer@nrl.navy.mil

Email Inquiries: Jackie.Fischer@nrl.navy.mil

Attention: Dr. Jacqueline Fischer, Astrophysicist

The Remote Sensing Division of the Naval Research Laboratory (NRL) is seeking postdoctoral researchers to carry out innovative research programs in observational or theoretical IR astrophysics. NRL infrared astronomers carry out a wide range of observational programs related to star and planet formation and extragalactic IR astrophysics with data collected from the Spitzer, ISO, Keck, Gemini and USNO observatories and work on the development of new observatories and instruments (e.g., the Herschel Space Observatory). (See our website at <http://rsd-www.nrl.navy.mil/7213/IR/>).

Postdoctoral applications should be pursued through the National Research Council (NRC). NRL-NRC Associateships are awarded to persons who have held their doctorate for less than five years at the time the award is offered. Awards are for two years, with a third year extension for satisfactory accomplishments in the second year. Applicants will need to submit an original research proposal to be approved by the NRL-NRC advisor for subsequent evaluation by an external review panel chosen by the NRC. Deadlines for submission to the NRC are 1 May 2006 and 1 August 2006. The current award stipend is \$60,120.00 per year. US citizenship or legal permanent residency is required. Online applications can be submitted at <http://www.national-academies.org/rap> . For further information

contact Dr. Jacqueline Fischer at the above address. EOE/AEE.

No. 22413**Postdoctoral and Senior Research Awards in the Space and Planetary Sciences
NATIONAL RESEARCH COUNCIL OF THE NATIONAL ACADEMIES**

Tel:

URL1: <http://www.national-academies.org/rap>

(home page for postdoctoral opportunities)

Attention: Jane Dell'Amore

National Research Council (NRC) of the National Academies Postdoctoral and Senior Research Awards.

The National Research Council of the National Academies is accepting applications for awards for independent research to be conducted in participating US government laboratories. Laboratories include various locations of the:

National Institute of Standards and Technology, Air Force Research Laboratory, National Oceanic and Atmospheric Administration, and Naval Research Laboratory.

Awards will be offered in most areas of the space and planetary sciences, including astronomy, planetology, astrophysics, solar research, cosmology and related disciplines. Qualified applicants must hold or expect to receive the Ph.D. or other equivalent research doctorate. Applicants design their own research projects to be compatible with the overall interests of the sponsoring laboratory. Each award is for one year with possible renewal for a total of three years maximum. Stipends range from \$40,000 to \$60,000 for recent Ph.D. recipients and are higher for additional experience. Awards also include support for relocation, professional travel and health insurance. Awards are competitive with annual application deadlines of February 1, May 1, August 1, and November 1.

Detailed program information, including instructions on how to apply, can be found on the NRC/NA Web site at www.national-academies.org/rap. Applications must be submitted online directly to the NRC/NA. CVs will not be accepted. Questions may be directed to the NRC/NA at 202-334-2760 (tel) or rap@nas.edu.

No. 22414**Postdoctoral Research Fellow - Astrophysics
INSTITUTE FOR ASTROPHYSICAL RESEARCH - BOSTON UNIVERSITY
725 Commonwealth Ave.**

Room 514

Boston, MA 02215

USA

Tel: 617 353 6499

FAX: 617 358 2811

Email Submission Address: jackson@bu.edu

Email Inquiries: jackson@bu.edu

Attention: James Jackson, Chairman

Applications are invited for a postdoctoral position in star formation and Galactic astronomy. The successful applicant will work with Prof. James Jackson on topics related to high-mass star formation and Galactic structure. Researchers interested in analyzing data from the recently completed Galactic Ring Survey, a ^{13}CO molecular line survey of a large portion of the Galactic plane, are especially encouraged to apply (www.bu.edu/galacticring). Opportunities also exist to work with the Mid-Infrared Spectrometer and Imager (MIRSI), a state of the art mid-infrared camera and spectrograph deployed to NASA's Infrared Telescope Facility on Mauna Kea, for studies of star-forming regions (www.bu.edu/iar/mirsi).

The postdoctoral fellow is expected to take the lead in the analysis of scientific data and to publish the results. Applicants interested in MIRSI may also be asked to help maintain and upgrade the instrument, and to help support MIRSI users in data analysis.

The appointment is for two years with the possibility of renewal for an additional year. The start date is negotiable, but preferably September 1, 2006. Successful applicants must have a PhD in astronomy, physics, or a closely related field by the start date. To apply, please send a CV and a statement of research interests, and also arrange to have three letters of recommendation sent to the above address. Please contact jackson@bu.edu for additional information.

No. 22415
Staff Scientists
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 NASA Herschel Science Center (NHSC) at IPAC/Caltech anticipates openings for several staff scientist positions. The successful applicants will work with other NHSC scientists and engineers and their counterparts in Europe to develop tools and expertise in the European Space Agency's Herschel Space Observatory mission in order to support the US astronomical community using Herschel. The Herschel Space Observatory, a far-infrared/submillimeter mission is scheduled for launch by ESA in 2008.

Minimum requirements for the position: PhD in astronomy, physics, or a related discipline; two years or more of work-related job experience with a record of scientific publications. Some travel to Europe on a regular basis is likely. Applicants with experience in science planning and data analysis for space observatories and/or mid-far IR and submm detectors will be given preference. Applicants whose research interests include observational infrared/submm and/or space-based astrophysics are highly desirable. Please send CV and names/contact information of three references no later than May 15, 2006. Applications will be reviewed until available positions are filled. Caltech is an Affirmative Action/Equal Opportunity Employer. Women, Minorities, Veterans, and Disabled Persons are encouraged to apply.

No. 22419

Director, Kitt Peak National Observatory
NATIONAL OPTICAL ASTRONOMY OBSERVATORY
PO Box 26732
Tucson, AZ 85726
USA
Tel: 520-318-8100
FAX: 520-318-8456
Email Submission Address: hrnoao@noao.edu

Attention: Ms. Sandra Abbey, Human Resources Manager

Director, Kitt Peak National Observatory

NATIONAL OPTICAL ASTRONOMY OBSERVATORY Tucson, Arizona

The National Optical Astronomical Observatory (NOAO) seeks an astronomer with outstanding accomplishments in research and research leadership to head the Kitt Peak National Observatory (KPNO) as its Director.

The U.S. national observatory's research facilities on Kitt Peak include the Mayall 4 meter telescope, the WIYN 3.6 meter telescope and a number of smaller telescopes. Kitt Peak also hosts a number of tenant observatories and provides services to some of them (see <http://www.noao.edu/kpno/tenants/index.html>). KPNO is operated on land leased by the NSF from the Tohono O'odham Nation. The Director of KPNO is based in Tucson, Arizona and is normally a tenured member of the scientific staff.

The successful candidate will hold a PhD in Astronomy, Astrophysics, or a related field; will be creative and experienced in providing scientific and engineering support, teamwork, and leadership to peers, as well as mentorship to more junior colleagues; and will be involved in research at the frontier of astronomy. He/she will have a record of accomplishment in providing user support for a major research facility, interfacing with the community and specific projects, when needed, and will have the ability to lead approximately 50 engineers, technicians and scientists. Experience in the development of innovative instrument concepts is desirable. It is expected that the candidate will be able to carry out a program of research in astronomy.

NOAO's long-range plan, including that for KPNO, is on the web at www.noao.edu/dir/lrplan. The focus is on implementing recommendations from the recent decadal survey on large telescopes of the present and future and on the U.S. observing system as a whole.

The KPNO Director reports to the NOAO Director, and is an Associate Director of NOAO. The Director of KPNO is responsible, with the other Directors, for developing NOAO's strategic plan in concert with the Observatory Council and NOAO's advisory committees.

NOAO offers an excellent benefits package, competitive salary commensurate with experience, and an extremely attractive work environment. Applicants should submit to the HR Manager a curriculum vitae, a publication list, a statement of recent research experience, a statement of relevant management and service experience, a description of future plans, and the names of three references to Ms. Sandra Abbey, Human Resources Manager, NOAO, PO Box 26732, Tucson, AZ 85726-6732. Please reference job # 778 with all application materials. We will begin reviewing

applications on May 1, 2006, and will continue to accept applications until the position is filled. Application materials may be submitted electronically (preferred) to hrnoao@noao.edu. NOAO is an affirmative action and equal opportunity employer, and grants hiring preference to Native Americans living on or near the Tohono O'Odham reservation.

No. 22428**Tenure-track Assistant Professor in the Area of Extragalactic Observational Astronomy****UNIVERSITY OF CALIFORNIA LOS ANGELES****2-707 Physics and Astronomy Building****Box 951547****Los Angeles, California 90095-1547****USA****Tel: 310 825-3440****FAX: 310 206-0864****Email Submission Address: chair@physics.ucla.edu****Email Inquiries: chair@physics.ucla.edu*****Attention: Joseph Rudnick, Chairman***

University of California, Los Angeles Faculty Position In Extragalactic Observational Astronomy

The Department of Physics and Astronomy at UCLA invites applications for a tenure-track Assistant Professor appointment in the area of Extragalactic Observational Astronomy. The position could start as early as July 1 2006. The department is particularly interested in applicants with research expertise in multiwavelength studies of galaxies, including their properties and evolution. The successful applicant will be able to capitalize on the strong infrared astrophysics program at UCLA and 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 arrange to have at least three letters of recommendation sent to Chairman Joseph Rudnick, Extragalactic Observational Astronomy Search Committee, Department of Physics and Astronomy, University of California Los Angeles, CA 90095-1547 by the Deadline of April 14, 2006. The University of California is an Equal Opportunity/Affirmative Action Employer.

No. 22435**Postdoctoral Research Fellow****CALIFORNIA INSTITUTE OF TECHNOLOGY****1200 E. California Blvd.****MS 220-6****Pasadena, CA 91125****USA****Tel:****Email Submission Address: hit@ipac.caltech.edu****Email Inquiries: hit@ipac.caltech.edu*****Attention: Dr. Harry Teplitz***

Applications are invited for a postdoctoral position in extragalactic astrophysics at the Spitzer Science

Center at Caltech. The successful applicant will work with Dr. Harry Teplitz on multiwavelength studies of galaxy evolution in the GOODS and other deep fields. Research will focus on galaxy formation and evolution since $z=2$. Responsibilities will include reduction of Spitzer and HST data, analysis and interpretation, and publication of scientific results. Candidates should have obtained, by the starting date, a Ph.D. in astronomy, physics or equivalent, in an area relevant to these projects. Experience with Spitzer and/or HST data and extragalactic astronomy is highly desirable. The successful applicant will have some time for their own research, and will be able to propose to the JPL Time Allocation Committee for access to the Palomar telescopes.

The appointment is for two years, based on current funding, and will start as soon as possible. To apply, please send resume, publication list, names of three references, and a statement of research to the above address. Email applications are acceptable. Applications will be considered until a qualified candidate has been identified, and at least until April 15, 2006.

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

No. 22440
Stellar Populations
UNIVERSITY OF NORTH CAROLINA
141 Phillips Hall, CB 3255
Chapel Hill, NC 27599
USA
Tel: 919-962-3019
FAX: 919-962-0480

Attention: Bruce Carney, Sr. Assoc. Dean, Baron Prof

A post-doctoral research fellowship will be available at the University of North Carolina at Chapel Hill beginning July 1, 2006. The exact starting date may be negotiated, and the term is for one year. A pending proposal to NSF could enable renewal of the position for one or more years.

The position allows for independent research for about one third of the time, and will include access to UNC's 17% share of the observing time on the 4.1-meter SOAR telescope, as well as access to our smaller share of the observing time on the 10.5-meter SALT telescope, plus the nearly-completed array of six 0.4-meter telescopes (PROMPT) atop Cerro Tololo.

The primary duty will include elemental abundance determinations involving the calculation of an extensive grid of synthetic spectra to enable extraction of $V_{rot} \sin i$, $\log g$, $[Fe/H]$, and $[\alpha/Fe]$ from high-resolution (32,000) but low-S/N spectra of many thousands of stars, in collaboration with Dave Latham (CfA), John Laird (BGSU), and Jon Morse (NASA/OSTP). Other collaborative projects are possible, and would be discussed once the successful applicant is identified.

Applicants should send copies of a CV, a list of publications, and the names of three references to Dr. Bruce W. Carney, Department of Physics & Astronomy, 141 Phillips Hall, CB 3255, University of North Carolina, Chapel Hill, NC 27599-3255. Women and minorities are encouraged to apply. UNC is an equal opportunity and affirmative action employer.

No. 22452

Telescope Support Scientist
BOSTON UNIVERSITY INSTITUTE FOR ASTROPHYSICAL RESEARCH
725 Commonwealth Ave.
Room 514
Boston, MA 02215
USA
Tel: 617 353 6646
FAX: 617 358 2811
URL1: <http://www.bu.edu/iar>
Email Submission Address: brainerd@bu.edu
Email Inquiries: brainerd@bu.edu

Attention: Prof. Tereasa Brainerd, Director

Telescope Support Scientist BOSTON UNIVERSITY Institute for Astrophysical Research 725 Commonwealth Ave. Boston, MA 02215 Tel: 617-353-6646 FAX: 617-353-5704 Email Inquiries: brainerd@bu.edu URL: <http://www.bu.edu/iar>

Attention: Professor Tereasa Brainerd

The Institute for Astrophysical Research at Boston University seeks an astronomer to act as a telescope support scientist. The support scientist will be stationed at Lowell Observatory in Flagstaff, AZ and will be expected to make occasional trips to Boston University and Lowell Observatory are equal partners in the use of the Perkins 72" telescope on Anderson Mesa, and recently a new generation of optical and IR instrumentation has been installed at the telescope. The support scientist will be expected to take an active role in the maintenance of the new instrumentation and to support the observational programs of Boston University astronomers on the 72". Additional duties will be to represent Boston University interests to the Lowell Observatory Director and staff, and to work with Boston University and Lowell Observatory astronomers to develop plans for repairs and upgrades to the telescope. The 72" will be available to the support scientist for conducting his or her own independent research. Preference will be given to astronomers with strong technical and managerial skills, as well as a demonstrated ability to work with many people. The level of effort for the position (full-time or part-time) is negotiable.

The position will remain open until a suitable applicant is found, and applications will be evaluated as they are received. The preferred start date for the position is May 1, 2006. Preference will be given to candidates with a Master's Degree or PhD in astronomy or related field, but candidates with a bachelor's degree and a substantial record of successful telescope operation and support are encouraged to apply. Boston University is an Equal Opportunity Employer and particularly seeks applications from women and recognized minority candidates Applications should contain a curriculum vitae, the names of three qualified reviewers willing to write letters of recommendation, and a statement addressing the candidate's experience with respect to the areas listed above. AAE/EOE.

No. 22455
Postdoctoral position in theoretical cosmology and galaxy formation
UNIVERSITÉ LAVAL
Département de physique, génie physique et optique
Pavillon Alexandre-Vachon

Quebec City, Qc G1K 7P4
CANADA
Tel: (418) 656-2131 ext 2234
FAX: (418) 656-2040
URL1: http://www.astro.phy.ulaval.ca/HUGO/chaire_e.html
(The Canada Research Chair)
Email Submission Address: hmartel@phy.ulaval.ca
Email Inquiries: hmartel@phy.ulaval.ca

Attention: Hugo Martel, Professor

Applications are invited for a 3-year postdoctoral position in theoretical astrophysics, starting September 2006, to work in collaboration with professor Hugo Martel and other members of his research group. This position will be funded by the Canada Research Chair in Theoretical and Numerical Cosmology. Information about the group can be found on http://www.astro.phy.ulaval.ca/HUGO/chaire_e.html

Our current research interests include cosmology (post-recombination), reionization, galaxy formation and evolution, X-ray clusters, and evolution of the IGM. We are particularly interested in candidates with previous experience in high-performance numerical simulations. However, candidates with expertise in analytical or semi-analytical modelling will be seriously considered.

Candidates should send a cover letter, resume, brief summary of past accomplishments and research goals, and 3 letters of recommendation to the above address. Review of applications will start on March 15, 2006, and continue until the position is filled.

New Jobs This Month

No. 22239
Visiting Assistant Professor of Physics and Astronomy
BENEDICTINE COLLEGE
1020 N. 2nd Street
Atchison, KS 66002-1499
USA
Tel: 913-360-7430
FAX: 913-360-7622
Email Submission Address: brothers@benedictine.edu
Email Inquiries: brothers@benedictine.edu

Attention: Dr. Douglas Brothers, Chair, Dept. of Physics & Astronomy

The Department of Physics and Astronomy at Benedictine College anticipates a one-year sabbatical replacement for a Visiting Assistant Professor for the 2006-2007 academic year. Benedictine College is a four-year liberal arts college with majors in both astronomy and physics. Teaching responsibilities would include one introductory astronomy course each semester, one upper level astronomy course each semester, plus Quantum Mechanics in the Fall and Optics with lab in the Spring. Some funds are available for student-faculty research. The college has an IRAF workstation.

This is a re-issue of the announcement in the December Job Register, and applications will be

considered as they are received. Curriculum Vitae and a letter of application outlining the applicant's teaching and research background, along with the names of three references, should be submitted to Dr. Douglas Brothers, Chair, Department of Physics and Astronomy, Benedictine College, 1020 N. 2nd Street, Atchison, KS 66002-1499, (brothers@benedictine.edu; 913-360-7430)

No. 22470
Senior Fellow in Gamma-Ray Astrophysics
UNIVERSITY OF CALIFORNIA, BERKELEY
Space Sciences Laboratory
Centennial @ Grizzly Peak Blvd
Berkeley, CA 94720
USA
Tel: 510-643-4129

Attention: Steven Boggs, Professor

Applications are invited for the position of Senior Fellow at the Space Sciences Laboratory (SSL) with emphasis on gamma-ray astrophysics and instrumentation. The position involves participation in the gamma-ray astrophysics group directed by Professor Steven Boggs, which has built and operates the Nuclear Compton Telescope balloon payload, as well as participates in scientific analysis of INTEGRAL and RHESSI data. The Fellow should have demonstrated capabilities in both experimental work and observational analysis. SSL Senior Fellows have full Principal Investigator status and are expected to independently pursue additional sources of support with the goal of building a self-supporting research group, as well as to participate in the supervision of graduate students.

The level of appointment could be Assistant, Associate, or Full Research Scientist, depending on qualifications and background. Applicants should have a Ph.D. in astronomy, physics or a related field and should have a strong background in gamma-ray experimental astrophysics, with at least two years of post-doctoral work in the field. Candidates with an established track record in nuclear gamma-ray astronomy, and gamma-ray instrumentation development and project leadership will be given preference.

Please send Curriculum Vitae, list of publications, statement of research interests and project experience, and three letters of reference to Professor Steven Boggs at the Space Sciences Laboratory, University of California, Berkeley, CA 94720-7450 by May 1, 2006. The University of California is an Equal Opportunity Employer. Women and minorities are particularly encouraged to apply. AAE/EOE. Reviewers please see UC Berkeley Statement of Confidentiality found at: <http://apo.chance.berkeley.edu/evalltr.html>

No. 22471
Faculty Appointments
WILLIAM RAINEY HARPER COLLEGE
Tel:
URL1: <https://jobs.harpercollege.edu>

Attention: Human Resources

FACULTY APPOINTMENTS Palatine, IL

William Rainey Harper College, a dynamic community college located in Chicago's northwest suburbs, is actively pursuing energetic and innovative candidates for several tenure track faculty appointments in Astronomy, Geology, Physics, and Physical Science for fall 2006.

Candidates must have at least a master's degree in one of the named subject areas or a closely related field. Recent college level teaching experience, use of microcomputer based labs, and lab development are preferred qualifications, as is teaching in more than one subject area. For the geology position, experience in collections management is desirable.

Candidates must apply online for consideration at: <https://jobs.harpercollege.edu> Applications will be accepted until positions are filled.

A file is not complete until all of the following materials have been attached to the online application: cover letter, resume/CV, statement of educational/teaching philosophy, and copies of undergraduate and graduate transcripts. Three hardcopy letters of recommendation must be submitted under separate cover to: Harper College, Attn: Human Resources, 1200 W. Algonquin Road, Palatine, IL 60067.

Harper College is an Equal Opportunity Employer that encourages applications from women, ethnic minorities and persons with disabilities.

No. 22486**Temporary Assistant Professor of Astronomy and/or Physics, Position #73267T****UNIVERSITY OF HAWAII AT HILO, NATURAL SCIENCE DIVISION****University of Hawaii at Hilo****200 W. Kawili St.****Hilo, HI 96720****USA****Tel: (808)974-7731****FAX: (808)974-7693****URL1: <http://phys.uhh.hawaii.edu/employ.htm>****Email Submission Address: rfox@hawaii.edu****Email Inquiries: rfox@hawaii.edu*****Attention: Dr. Robert Fox, Professor of Physics***

Temporary Assistant Professor of Astronomy and/or Physics: Position #73267T. Full-time, non-tenure track; nine-month appointment, to begin in August 2006. Duties are to teach undergraduate courses, engage in scholarly activities and perform University and community service. Ph.D. in astronomy, physics or related field from an accredited college or University and previous experience beyond the teaching assistant level are required at time of application. Experience or interest in working in a strongly diverse and multicultural environment is desirable. Salary is commensurate with training and experience. University of Hawaii's faculty have preferential access to Mauna Kea Observatories. Applications will be accepted only in hard copy form. Submit letter of application addressing your academic plans, Vitae, and three (3) reference letters to: Dr. Robert Fox, Department of Physics and Astronomy, University of Hawaii's at Hilo, 200 W. Kawili St., Hilo, HI 96720-4091. Review of applications will begin on May 10, 2006; the search will remain open until the position is filled.

Address inquiries to Dr. Fox, Phone 808-974-7731, or rfox@hawaii.edu. See <http://phys.uhh.hawaii.edu/employ.htm> for more details. University of Hawaii's at Hilo is an EEO/AA Employer D/M/V/W.

No. 22487**Postdoctoral Research Scientist in Solar Physics
NORTHWEST RESEARCH ASSOCIATES, CORA DIVISION**

**3380 Mitchell Ln.
Boulder, CO 80301
USA**

Tel:

URL1: <http://www.nwra.com>

Email Submission Address: tmetcalf@solar.stanford.edu

Attention: Dr. Thomas R. Metcalf, Research Scientist

NorthWest Research Associates, CoRA Division has an opening for a postdoctoral researcher in solar physics starting Autumn 2006. NWRA is a small company with research activities including solar and heliospheric physics, oceanography, meteorology and upper atmospheric research (<http://www.nwra.com>). This position is to work with Drs. Metcalf, Leka, and/or Barnes, in the broad topic of coronal structure and evolution, energetic events, and active region magnetic fields. The initial term is one year, renewable subject to performance and availability of funds. Duties include data-reduction or other tasks related to ground- and space-based instruments including Solar-B/XRT, the Imaging Vector Magnetograph, and SDO/HMI. The position will be based in Boulder, Colorado but travel to Japan and domestic destinations is required. Applicants should have a Ph.D. in a relevant field. Applications, including a curriculum vita, names of three professional references, and a statement of research interests in solar physics, will be accepted until the position is filled; consideration will begin 01 May 2006. Salaries and benefits at NWRA are very competitive, and the work environment is flexible, similar to an academic institution. The position is contingent upon funding from Solar-B/XRT. For further questions, please contact any of the people listed above (metcalf, leka, or graham "at" cora.nwra.com). Applications should be sent by email or by post to Dr. Thomas Metcalf, NWRA/CoRA Div., 3380 Mitchell Ln., Boulder, CO 80301 (no phone calls please). NWRA encourages applications from women and minorities and is an Equal Opportunity Employer M/F/V/D.

No. 22493**Telescope Operations Specialist, senior
LARGE BINOCULAR TELESCOPE OBSERVATORY**

**888 N. Euclid Avenue
Tucson, AZ 85721
USA**

Tel: 520-621-3662

FAX: 520-626-4749

URL1: www.hr.arizona.edu

(Job # 34538)

URL2: <http://lbto.org>

Attention: Human Resources

Telescope Operations Specialist at the Large Binocular Telescope Observatory (LBTO) at the University of Arizona. The LBT will be the largest most powerful optical/infrared telescope in the world. The T.O. will operate the telescope and its instruments. The position is based in Safford, AZ, with duty station at the observatory on Mt. Graham, at an altitude of 10,500 ft. The position involves shift work at night. Minimum requirements: four years of college or technical school training appropriate to the area of assignment and two years of experience with state of the art research or related instrumentation, physical condition and agility sufficient to work at 10,500 ft, access equipment by ladder, inspect components at floor level, and carry lift loads of at least 25 lbs. For full description, requirements and instructions to apply, see www.hr.arizona.edu and search for job # 34538.

No. 22496**Telescope Optics Group Leader****THIRTY METER TELESCOPE**

Tel: 626.395.1601

FAX: 626.345.9719

URL1: <http://www.tmt.org>*(Thirty Meter Telescope)*URL2: http://www.recruitingcenter.net/clients/tmt/publicjobs/controller.cfm?jbaction=JobProfile&Job_Id=10014&esid=az*(Telescope Optics Group Leader)*Email Inquiries: magnolia@tmt.org***Attention: Magnolia Ycasas, Human Resources Administrator***

Requisition Number: TMT10014

Job Title: TELESCOPE OPTICS GROUP LEADER

Anticipated Hiring Range: \$77,300 - \$151,400

Job Summary

The TMT project is a collaboration of Caltech, University of California (UC), the Association of Universities for Research in Astronomy (AURA), and the Association of Canadian Universities for Research in Astronomy (ACURA). The TMT design and development activity is currently funded by a grant to Caltech and UC from the Gordon and Betty Moore Foundation. The TMT project office is in Pasadena to lead and coordinate the work in Pasadena and at partner locations.

Reporting to the Telescope Department Manager, the Optics Group Leader will lead the design, fabrication, integration and testing of the telescope optics for the Thirty Meter Telescope, including the segmented primary mirror, the secondary and tertiary mirrors, and their associated equipment.

Job Duties

The Optics Group Leader will lead a group responsible to:

- Design and implement the segment support and positioning systems

- Develop cost effective methods to manufacture more than 860 1.2-meter aspheric segments
- Develop optical testing methods for segments
- Develop durable, high-reflectivity optical coatings
- Design and implement all tooling and fixturing for assembling, installing, aligning, testing, removing, and recoating of segments
- Design and implement the secondary mirror assembly, including the mirror and its support, positioning and thermal control systems
- Design and implement all tooling and fixturing for assembling, installing, aligning and removing the secondary mirror assembly, and recoating the secondary mirror
- Design and implement the tertiary mirror assembly, including the mirror and its support, positioning and thermal control systems
- Design and implement all tooling and fixturing for assembling, installing, aligning and removing the tertiary mirror assembly, and recoating the tertiary mirror
- Design and implement in-situ mirror cleaning equipment
- Transport all telescope optical assemblies and equipment to the observatory site
- Assemble, integrate and test all telescope optical assemblies in the observatory
- Develop and present design documentation at design reviews

The Optics Group Leader will be responsible for planning and control of Optics Group activities, including creation and control of project plans, schedules, and cost estimates.

The Optics Group Leader will be responsible for systems engineering of the telescope optics, and will work with the project Systems Engineering Group to:

- Prepare top-down and bottom-up error budgets
- Set reliability engineering standards
- Develop a quality assurance plan
- Develop integration and test plans
- Develop design requirements documents, and interface control documents for the telescope optics

Minimum Requirements

10 years experience in the design of complex scientific detector, telescope or aerospace systems with significant experience in mechanical, optical and controls technology. Significant experience

leading a team in these activities is required. An advanced degree in related engineering is strongly preferred. Experience in large projects is strongly preferred.

Significant travel will be required to partner, vendor and observatory locations.

Knowledge, Skills & Abilities

Candidate should have strong mechanical design skills, a solid background in geometric optics, experience doing finite-element analysis, a knowledge of large-optics fabrication and testing methods and an understanding of systems engineering as applied to large projects. Candidate should be familiar with solid modeling, FEA and ray tracing software, as well as Matlab. Experience with large astronomical observatories is a plus.

PLEASE APPLY ONLINE AT http://www.recruitingcenter.net/clients/tmt/publicjobs/controller.cfm?jbaaction=JobProfile&Job_Id=10014&esid=az

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

No. 22500
Postdoctoral Fellow in Radio Astronomy
UNIVERSITY OF NEW MEXICO
800 Yale Blvd NE
Albuquerque, NM 87131
USA
Tel: (505) 277-2616
FAX: (505) 277-1520
Email Submission Address: gbtaylor@unm.edu
Email Inquiries: gbtaylor@unm.edu

Attention: Dr. Greg Taylor

We invite applications for a postdoctoral fellow working on algorithm development at the Array Operations Center in Socorro, New Mexico and at the University of New Mexico in Albuquerque, to begin in September of 2006. Our group has strong interests in developing new algorithms for long-wave interferometry, addressing such challenges as wide-field imaging, multi-frequency synthesis, field-dependent calibration, etc. In addition to using nearby facilities such as the VLA and VLBA, we are leading the effort to design and develop the Long Wavelength Array (LWA), to be centered in New Mexico. The successful candidate should have experience programming in C and/or C++, and is expected to make significant progress in long-wavelength algorithm design. The successful candidate could be involved in a modest amount of LWA development according to her/his interests. Thorough practical knowledge of radio interferometry techniques is highly desirable. Candidates must have completed the Ph.D. at the time of hire. Applications should be received by July 15, 2006, or until the position is filled, and should include a curriculum vitae, a description of research interests and accomplishments, and a list of publications. Candidates should also have at least three letters of reference sent directly to Dr Greg Taylor (gbtaylor@unm.edu), Department of Physics and Astronomy, MSC07 4220, 800 Yale Blvd NE, 1 University of New Mexico, Albuquerque, NM 87131-0001. The University of New Mexico is an Equal Opportunity Employer.

No. 22524**Postdoctoral Research Fellows****MAX-PLANCK-INSTITUT FUER RADIOASTRONOMIE**

Auf dem Huegel 69

Germany

Tel: +49 228 525297

FAX: +49 228 525435

URL1: <http://www.mpifr-bonn.mpg.de/div/mm/>

(MPIfR mm and submm Astronomy Group)

URL2: http://www.mpifr-bonn.mpg.de/div/mm/technology_projects/

(MPIfR Submillimeter Technology Division)

Email Submission Address: kmenten@mpifr-bonn.mpg.deEmail Inquiries: kmenten@mpifr-bonn.mpg.de***Attention: Karl M. Menten, Prof.***

The Millimeter and Submillimeter Astronomy Group (Director: Professor K. M. Menten) at the Max-Planck-Institut fuer Radioastronomie in Bonn, Germany, invites applications for postdoctoral fellowships. Our research covers many fields of astrophysics involving molecular gas and dust, with a strong focus on star-forming galaxies in the early universe, the physics of star formation and its relevant astrochemistry, and studies of the interstellar gas in nearby galaxies and the Galactic center. Other areas of interest are mass-loss from AGB stars and continuum studies of solar system objects.

Since autumn 2005 the novel Atacama Pathfinder Experiment (APEX) 12m submillimeter telescope is operational (MPIfR shares 50% of the operation and observing time). The suite of new instruments includes heterodyne receivers with unique sensitivity and performance, e.g. the CHAMP+ dual-color array (2 x 7 pixels) operating in the 650 and 850 GHz atmospheric windows; and the LABOCA bolometer array working with 295 elements at 850 μm .

We are open to applicants with research interests in any of the areas pursued by our group, but would strongly welcome participation in our preparatory studies for the upcoming Herschel space mission in which the group members are deeply involved in several Guaranteed Time Observations programmes. Particular consideration will be given to applicants with a background in extragalactic astronomy exploiting, e.g., the potential of CHAMP+ for studies of nearby galaxies and the Galactic center. In all cases, interaction and/or involvement with the instrument groups at our institute would be welcome and encouraged. While science with APEX should be the focus of research, the group also engages in projects with other instruments, such as the IRAM 30m and PdB Interferometer, or the SMA, and supplementary observations using these or other telescopes would be possible.

The start date for the positions is flexible, but we would welcome a start as early as possible. The appointment will initially be for two years, with a possible extension to three years. Applicants should send a CV, bibliography, and a summary of their research interests and arrange for three letters of recommendation to be sent to Prof. Karl M. Menten at the listed address.

No. 22542**Chair in Astrophysics****IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE**

Human Resources Division

Level 3 Faculty Building

London, * SW7 2AZ

UK

Tel:

URL1: <http://www.imperial.ac.uk/research/astro/>

(Astrophysics group website)

URL2: <http://www.imperial.ac.uk/employment/academic>

(College vacancies website)

Email Submission Address: janet.jones@imperial.ac.uk

Email Inquiries: d.bradley@imperial.ac.uk

Attention: Janet Jones, Ms

Applications are invited from outstanding individuals for a Chair in Astrophysics at Imperial College London, to be filled from January 1st 2007, or as soon as possible thereafter. This post anticipates the retirement of the current Head of the Astrophysics Group, Professor Michael Rowan-Robinson and provides an opportunity to play a leading role in the Group's future development. Candidates are expected to have established internationally leading research records and strong leadership qualities.

The current research areas within the Astrophysics Group are extragalactic astrophysics and cosmology, astro-particle physics and stellar astrophysics. Applications are particularly welcome within extragalactic astrophysics and cosmology, but outstanding applicants in other fields are also strongly encouraged to apply. Further information about the Group is available on our website at <http://www.imperial.ac.uk/research/astro/>. Informal enquiries may be addressed to Professor DDC Bradley FRS, Head of the Department of Physics, Email: d.bradley@imperial.ac.uk

Further particulars of this appointment and an application form can be found at:

<http://www.imperial.ac.uk/employment/academic/>. Closing Date: 30th June 2006 Interview Date: TBA

Valuing diversity and committed to equality of opportunity

No. 22543

CNRS post-doc: Interpretation of coherent structures and turbulent spectra observed by cluster

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE

Boulevard de l'Observatoire,

BP 4229

France

Tel: [+33] (0) 4 92 00 30 40

FAX: [+33] (0) 4 92 00 31 21

URL1: [http://www.k-projects.com/cnrs_postdocs/public/departement_details.php?](http://www.k-projects.com/cnrs_postdocs/public/departement_details.php?ldDpt=9&Dep=SDU&NumOffre=6&Langue=en)

[ldDpt=9&Dep=SDU&NumOffre=6&Langue=en](http://www.k-projects.com/cnrs_postdocs/public/departement_details.php?ldDpt=9&Dep=SDU&NumOffre=6&Langue=en)

Email Submission Address: sulem@obs-nice.fr

Email Inquiries: sulem@obs-nice.fr

Attention: Pierre-Louis Sulem

The project concerns the origin and the evolution of coherent structures and turbulent spectra recently observed in the terrestrial magnetosheath by the Cluster mission. A main characteristic of the

magnetosheath is the presence of ultra-low frequency modes of mirror type which, to be properly described, require Landau damping and finite Larmor radius corrections to be taken into account. A "Landau-fluid" model including these kinetic effects was recently built. In order to perform its numerical integration, a parallelized spectral code will be developed. After validation by comparison with purely kinetic simulations in the case of a few test problems in one space dimension, this tool will be used to address the mirror mode dynamics in three dimensions. It will also be used to simulate dispersive Alfvén wave turbulence, focusing on the magnetic spectrum at scales comparable to the ion Larmor radius where a change of slope is observed both in the solar wind and the magnetosheath. Close interactions are planned with experts in the fields of the analysis of Cluster data and of fully kinetic numerical simulations.

The candidate should have a good expertise in scientific computation. Background in plasma physics, fluid mechanics and/or nonlinear dynamics will be most useful.

No. 22545

Postdoctoral Research Position in Theoretical Astrophysics (Jets/Accretion)

ASTRONOMICAL INSTITUTE 'ANTON PANNEKOEK'

University of Amsterdam

Kruislaan 403

The Netherlands

Tel: +31 20 525 7478

FAX: +31 20 525 7484

URL1: <http://www.astro.uva.nl>

(Institute Website)

Email Submission Address: sera@science.uva.nl

Email Inquiries: sera@science.uva.nl

Attention: Sera Markoff, Dr.

Applications are invited for a 3-year postdoctoral research position at the Astronomical Institute of the University of Amsterdam, to begin Summer or Fall 2006. The successful candidate will participate in new and ongoing programs to understand the nature of jets and their relationship to accretion flows in accreting black holes, from X-ray Binaries to AGN, working in collaboration with Sera Markoff and an extensive group of international collaborators. The research will involve the development of new models to characterize the time-dependent behavior of accreting systems, as well as the analysis and interpretation of multiwavelength data.

The successful candidate must have a PhD in astronomy or physics by the time of appointment, and preferably some experience with computational and/or analytical modeling. The position is funded by the Netherlands Organization for Scientific Research, with salary on the fixed Dutch university scale, and comes with additional funds for travel and research support.

Interested candidates should submit via email their CV, publication list, a concise statement of research interests and the names and email addresses of at least three people who have agreed to be contacted for letters of recommendation. Review of applications will begin April 1 and continue until the position is filled.

The Astronomical Institute Anton Pannekoek is a lively, international research institute with about a dozen each of faculty and postdocs, and 20-25 PhD students. The institute is 20 minutes from

downtown Amsterdam on the UvA science campus, also the informatics/computing technology center of the Netherlands.

No. 22546

Postdoctoral fellow / visiting scientist to participate in high-energy gamma-ray astronomy with H.E.S.S.

MAX PLANCK INSTITUTE FOR NUCLEAR PHYSICS

Saupfercheckweg 1

Germany

Tel: ++49 (0)6221 516 201

FAX: ++49 (0)6221 516 603

URL1: <http://www.mpi-hd.mpg.de/HESS/public/Ausschreibung06.pdf>

(job offer)

URL2: <http://www.mpi-hd.mpg.de/hfm/HESS/public/HESSatMPIK/HESSatMPIKframe.htm>

(The H.E.S.S. project)

Email Submission Address: sekretariat.hofmann@mpi-hd.mpg.de

Email Inquiries: sekretariat.hofmann@mpi-hd.mpg.de

Attention: Personalverwaltung

Max Planck Institute for Nuclear Physics, Heidelberg

INTERNE STELLENAUSSCHREIBUNG NR. 03/2006

The Max Planck Institute for Nuclear Physics in Heidelberg invites applications for Postdoctoral fellows / visiting scientists to participate in high-energy gamma-ray astronomy with H.E.S.S. The institute plays a leading role in H.E.S.S. – an array of imaging atmospheric Cherenkov telescopes located in Namibia – and hosts the German H.E.S.S. data center. Applicants should be interested in participating in the processing, analysis and interpretation of H.E.S.S. data and related multiwavelength activities as well as in the construction and commissioning of the new 600 m² H.E.S.S. II telescope, and should have a Ph.D. and experience in astrophysics, astroparticle physics or experimental particle physics.

The positions are available immediately for an initial period of two years, extension is possible.

Salary and benefits are commensurate with public service organizations. The Max Planck Society wishes to increase the participation of women in its research activities. Therefore applications by women are particularly welcome. The Max Planck Society is committed to employing more handicapped individuals and especially encourages them to apply. Applications should contain a letter of introduction, a full curriculum vitae and a list of publications. The applicant should request three referees to provide letters of reference on demand. Applications should be addressed under reference number 3 / 2006 to Max-Planck Institute for Nuclear Physics Attn. Personnel department, Saupfercheckweg 1, D-69117 Heidelberg, Germany For more information, contact Prof. W. Hofmann (werner.hofmann@mpi-hd.mpg.de).

No. 22547

Post-doctoral position on clusters of galaxies

SERVIDE D'ASTROPHYSIQUE - CEA SACLAY

CEA Saclay

France

Tel: +33 1 69 08 34 82

FAX: +33 1 69 08 65 77

URL1: http://vela.astro.ulg.ac.be/themes/spatial/xmm/LSS/index_e.html

(XMM-LSS)

URL2: <http://cdsweb.u-strasbg.fr:2001/Science/CFHLS/>

(CFHT Legacy Survey)

URL3: <http://www.ipac.caltech.edu/SWIRE/>

(SWIRE)

Email Submission Address: mpierre@cea.fr***Attention: Marguerite PIERRE, Dr***

The CEA, Saclay Astrophysics Department is inviting applications for one post-doctoral research associate to be filled by end of 2006. The Astrophysics Department (Service d'Astrophysique) in Saclay, located 15 km south-west of Paris near several other astronomy centres, is a major space astrophysics laboratory; it participated to the instrumentation of e.g. ISO, XMM, INTEGRAL and HERSCHEL. It is also involved in ground-based instrumentation and was in charge of the MegaCam camera installed at CFHT.

The proposed position pertains to the XMM-Large Scale Structure Survey which is an XMM Large Programme covering a single region of 10 deg² at a sensitivity of 5E-15 erg/s/cm². The successful candidate will work on various aspects of clusters of galaxies such as: cluster detection in the new X-ray data, cosmological applications of the complete cluster catalogue, multi wavelengths cluster studies. Major associated data sets are the optical CFHTLS and the infrared SPITZER/SWIRE legacy surveys as well as the UKIDSS and a VLA low frequency survey.

The position is for two years. There is no restriction on nationality. Interested applicants please send a cv, bibliography, description of research interests and arrange to have 3 letters of recommendation sent to the above address by April 30 th.

No. 22548**General Director of ASTRON/Netherlands Foundation for Research in Astronomy****ASTRON/NETHERLANDS FOUNDATION FOR RESEARCH IN ASTRONOMY****P.O. Box 93138****The Netherlands****Tel: 31703440621****FAX: 31703440722****Email Submission Address: kemp@nwo.nl****Email Inquiries: kemp@nwo.nl*****Attention: Mrs N.H.M.G.A. van der Wolk, Head of the Human Resource Department***

ASTRON, the Netherlands Foundation for Research in Astronomy, is a National Institute that develops and operates state-of-the-art instrumentation for front-line astrophysical research. ASTRON is a world leader in radio astronomy and astronomical instrumentation with a long and successful track record and a wide range of technical experience. It operates and continues to upgrade the Westerbork Synthesis Radio Telescope; it leads the design and construction of a new facility LOFAR

(the LOw Frequency ARray); and it leads crucial development efforts in Europe for the next generation radio telescope, the Square Kilometre Array (SKA), with support from the European Commission. ASTRON also develops optical/IR instrumentation for facilities such as the ESO VLT in collaboration with the Netherlands Research School for Astronomy (NOVA) and its member university institutes in the Netherlands. ASTRON entertains close relations with high-tech industry. ASTRON is an institute of the Netherlands Organization for Scientific Research, NWO.

The successful candidate will be responsible for the integral management of the Institute, must have the ability to lead and motivate highly-skilled professionals, must think strategically, have a visionary view on astrophysical research, and possess the initiative and the diplomatic qualities required to turn this vision into a coherent long-term research and technical development programme. She/he must enjoy an international reputation in scientific research in combination with first-rate management skills. A solid understanding of astronomy and astronomical instrumentation is a prerequisite.

For more information on ASTRON and the function of General Director of ASTRON, see www.astron.nl, or contact Prof. Dr. J.M. van der Hulst, Chairman of the ASTRON Board (e-mail: vdhulst@astro.rug.nl).

The post is open to qualified applicants of all nationalities. A letter of application including a letter of interest and CV should be sent to Mrs. N.H.M.G.A. van der Wolk, Head of the Human Resource Department, NWO, P.O. Box 93138, 2509 AC The Hague, The Netherlands, or by e-mail to kemp@nwo.nl. Consideration of applications will begin on 1 June 2006.

No. 22549

Two SUPA Advanced Fellowships in Astrophysics

UNIVERSITY OF ST ANDREWS

College Gate, North Street

St Andrews, Scotland KY16 9AJ

United Kingdom

Tel: 44 (0)1334 462571

FAX: 44 (0)1334 462570

URL1: <http://star-www.st-and.ac.uk/astronomy>

(St Andrews Astronomy group page)

URL2: <http://www.supa.ac.uk>

(Scottish Universities Physics Alliance)

URL3: <http://www.st-andrews.ac.uk/hr/recruitment/vacancies>

(St Andrews Human Resources)

Email Submission Address: Jobline@st-andrews.ac.uk

Email Inquiries: kdh1@st-and.ac.uk

Attention: Human Resources

We are seeking two (2) experienced researchers to join our group as four-year Advanced Fellows (AFs) under the Scottish Universities Physics Alliance (SUPA) initiative. One position is to be in any of the following areas: exo-planet detection, planet formation, young stars and disks, planetary atmospheres, planetary exploration, origins of solar system life or theory of extrasolar life. This position is to directly support the SUPA theme program of astrobiology. The second position is open to any area of astronomy and should ideally complement one of our areas of current research interests including exo-planets, circumstellar discs and planet formation, star formation, cool stars

and stellar magnetospheres, AGN, galactic dynamics, galaxy populations and cosmology.

The appointees are expected to lead independent research programmes in one of the above areas and ideally to extend the skills already within the group (see <http://star-www.st-and.ac.uk/astronomy>). Applicants for the first position should show how aspects of their work relate to astrobiological themes such as the origins of stars, planets and life. In addition to undertaking world-class research, the position offers the opportunity to gain valuable experience in university lecturing. The appointees are expected to contribute ~25 lecture-hours per year to our undergraduate and graduate teaching programme in astronomy. The primary requirements for the positions are a PhD in any area of astrophysics, postdoctoral experience and an active and world-class research programme. Experience in undergraduate/graduate teaching is advantageous.

These are both 4-year appointments based at the University of St Andrews, in Scotland. The SUPA (<http://www.supa.ac.uk>) network links up six universities in Edinburgh, Glasgow and St Andrews, and is investing in 35 new science posts in physics and astronomy. Both appointees will have the opportunity to play leading roles in this new initiative. The University is committed to equality of opportunity.

Informal enquiries to Prof Keith Horne, kdh1@st-and.ac.uk, +44 (0)1334-463322, School of Physics and Astronomy (<http://star-www.st-and.ac.uk/astronomy>).

Application forms and further particulars are available from Human Resources, University of St Andrews, College Gate, North Street, St Andrews, Fife KY16 9AJ, (tel: 01334 462571, by fax 01334 462570 or by e-mail Jobline@st-andrews.ac.uk and at <http://www.st-andrews.ac.uk/hr/recruitment/vacancies> . Applications to Human Resources should include the application form, cover letter, curriculum vitae, publications list, statement of research and three letters of reference.

Please quote ref: ME152/06

Closing Date: 1 June 2006

No. 22550

POSTDOCTORAL POSITIONS IN ASTROPHYSICS

INSTITUTO DE ASTROFISICA DE CANARIAS

VIA LACTEA S/N

LA LAGUNA, CANARY ISLAND E-38200

SPAIN

Tel: +34 922 605 261

FAX: +34 922 605 210

URL1: <http://www.iac.es/becasyempleos/inves/index1.html>

Email Submission Address: secinv@iac.es

Email Inquiries: secinv@iac.es

Attention: TANJA KARTHAUS, SECRETARY RESEARCH DIVISION

The IAC (Tenerife, Spain) invites applications for FOUR postdoctoral positions in Astrophysics. Research topics at the IAC (theory, observations and instrumentation) include most areas of astrophysics: cosmology and the structure of the Universe, structure and evolution of galaxies,

interstellar matter, structure and evolution of stars, the Sun, solar system, history of the Astronomy, high spatial resolution techniques and atmospheric optics, optical and infrared instrumentation, and astronomical space projects. The IAC also leads the scientific teams responsible for the Day One instruments of the 10.4 m GTC segmented telescope, as well as their scientific exploitation.

Remuneration: The gross annual salary is 29.949,44 Euros. Duration: Up to a maximum of three years, subject to annual review.

Doctorate: Applicants must have obtained their PhD in Astrophysics or Physics after 1999.

DEADLINE FOR SUBMISSION OF APPLICATIONS: 30th APRIL 2006.

No. 22551

Assistant or Associate Specialist

UNIVERSITY OF HAWAII, INSTITUTE FOR ASTRONOMY

2680 Woodlawn Drive

Honolulu, Hawaii 96822

USA

Tel: (808) 956-8566

FAX: (808) 946-3467

Attention: Dr. Rolf-Peter Kudritzki, Director

Assistant or Associate Specialist UNIVERSITY OF HAWAII AT MANOA Institute for Astronomy 2680 Woodlawn Drive Honolulu, HI 96822

Attention: Dr. Rolf-Peter Kudritzki, Director

Assistant or Associate Specialist, at the Institute for Astronomy. Full-time, tenure-track, to begin August 2006. Duties: Manage the operation of the University of Hawaii 2.2-meter telescope on Mauna Kea. The position is located in Hilo and will involve frequent travel to the summit of Mauna Kea.

The successful applicant will take responsibility for the operation of the University of Hawaii 2.2-meter Telescope on Mauna Kea. He/she will be responsible for improving use of the telescope, optimizing observations, interacting with and assisting observers. The applicant will also be expected to take a role in the possible future transition from the 2.2-meter telescope to the Pan-STARRS telescope. He/she will also be expected to provide support for University of Hawaii observations on the Gemini North Telescope.

The successful applicant will be expected to carry out a program of independent research, and will be entitled to compete for observing time on the optical, IR, and submillimeter telescopes at the Mauna Kea Observatories through the University's guaranteed share.

Minimum qualifications: M.S. (or equivalent) in astronomy, physics, or related field. Direct experience in the area of telescope operations. Ability to work at an altitude of 13,800 feet. For appointment as Associate Specialist, at least four years experience at the Assistant Specialist level (or its equivalent), and Ph.D. in astronomy, physics or related field.

Desirable qualifications: Ph.D. in astronomy, physics, or related field. Experience in the management and operation of telescope facilities. Technical background in telescope design and operations, and in instrumentation.

To apply, send curriculum vitae, including list of publications and statement of current and future research interests to Dr. Rolf-Peter Kudritzki, at the above address. Applicants should also arrange to have three letters of reference sent confidentially to the same address. Closing date: May 15, 2006. Inquiries: Dr. Rolf-Peter Kudritzki, Director 808-956-8566 or Dr. Richard Wainscoat 808-956-8429. AA/EOE.

No. 22552**Postdoctoral Fellow in Galactic Globular Clusters****SPACE TELESCOPE SCIENCE INSTITUTE****3700 San Martin Drive****Baltimore, MD 21218****USA****Tel:****URL1: <http://www.stsci.edu>*****Attention: Christine Rueter, Sr. Employment Administrator***

Applications are invited for a postdoctoral research fellow at Space Telescope Science Institute. The successful applicant will work with Dr. Neill Reid on the Hubble Space Telescope ACS Survey of Galactic Globular Clusters. The primary aim of this HST Treasury program is to image a large sample of Galactic globulars to address a number of scientific questions relating to star clusters, the Milky Way, and the age of the Universe. The research program at STScI will be focused particularly on investigations of the cluster mass functions and population content. Applicants will be considered who can contribute to any aspect of this project especially the analysis of crowded-field imaging observations and the development of a web-site associated with the project. The successful applicant will be encouraged to develop new observational or theoretical initiatives and pursue their own independent research.

The appointment will be for eighteen months, beginning as soon as possible, with extension to at least 2 years depending on performance and funding. Applicants should have a Ph.D. in astrophysics/astronomy or a related field. STScI, located on the Johns Hopkins University Campus in Baltimore, Maryland, offers an excellent benefit package, competitive salaries, and a stimulating research environment. The annual salary is dependent on the number of years since the Ph.D.

Applicants should send a curriculum vitae, publication list, a statement outlining relevant interests and experience, and names of at least three referees willing to write letters of recommendation. Completed applications received by April 15, 2006, are assured full consideration. Women and members of minority groups are strongly encouraged to apply. EOE/AA/M/F/D/V.

Space Telescope Science Institute Human Resources, Req #499 3700 San Martin Drive Baltimore, MD 21218

No. 22553**Postdoctoral Position in Astrophysical and Terrestrial Combustion****NAVAL RESEARCH LABORATORY****Tel:*****Attention: National Research Council***

The Laboratory for Computational Physics and Fluid Dynamics of the Naval Research Laboratory (NRL) in Washington, DC is seeking highly qualified candidates with a strong background in physics and proficiency in scientific computing for postdoctoral research positions in terrestrial and astrophysical combustion. Successful candidates will have access to extensive supercomputing resources, and will be encouraged to carry out their own independent research programs, as well as working in collaboration with Dr. Elaine Oran, Dr. Vadim Gamezo, and other scientists at the NRL and elsewhere. Current research interests of our group include deflagrations, detonations, and deflagration-to-detonation transition in Type Ia supernovae and terrestrial systems.

Postdoctoral applications should be pursued through the National Research Council (NRC). Only US citizens and legal permanent residents who have held the doctorate less than five years are eligible to apply. Awards are initially for two years, with a possible extension. The current award stipend is \$60,120 per year. Application deadlines are February 1, May 1, and August 1.

For more information, see www.nas.edu/rap/ and contact Dr. Elaine Oran at oran@lcp.nrl.navy.mil.

No. 22554
Planetary Astrobiology Postdoctoral Fellow
UNIVERSITY OF HAWAII, INSTITUTE FOR ASTRONOMY
2680 Woodlawn Drive
Honolulu, HI 96822
USA
Tel: 808-956-8566
FAX: 808-946-3467
URL1: <http://www.ifa.hawaii.edu/UHNAI/application.html>
(Application Form)
URL2: <http://www.ifa.hawaii.edu/UHNAI>
(Research Proposal)
Email Inquiries: jewitt@ifa.hawaii.edu

Attention: Dr. Rolf Kudritzki, Director

The Institute for Astronomy (IfA) invites applications for a postdoctoral fellow with interests in planetary water to work with the University of Hawaii's NASA Astrobiology Institute lead team (see <http://www.ifa.hawaii.edu/UHNAI/>). The UH lead team maintains an innovative and multi-disciplinary research environment linking astronomical, biological, microbiological, chemical, and geological sciences to investigate the origin, history, distribution and role of water as it relates to life in the universe. The program centers around interactions with an interdisciplinary group of postdoctoral fellows. We have a particular need for an individual interested in the study of water ice surviving in main belt asteroids. A major objective is to map the distribution of sublimating comets within the main asteroid belt using data from University of Hawaii's new Pan STARRS 1 survey telescope. A secondary objective is to investigate the water-driven comae of these bodies using spectroscopic facilities on the large telescopes of Mauna Kea.

Minimum qualifications include a Ph.D. in Physics, Astronomy or a related field and a record of research into the study of small solar system bodies as demonstrated by publications. Expertise in astronomical observing and/or work with large astronomical datasets.

Additional desirable qualifications: Experience with C++ and Perl computer languages; Education and public outreach is an integral part of the Astrobiology program and experience with or interest in E/PO will be considered positively in an application.

The successful candidate will have access to the unequalled astronomical observing facilities of the Mauna Kea and Haleakala observatories. He/she will work collaboratively with several of the other fellows and co-investigators in an interdisciplinary environment and be expected to participate in the group activities (e.g. seminars, meetings, discussion groups etc). Appointments are for 2 years assuming satisfactory progress and availability of funds. Fellows will receive a stipend of approximately \$4400 per month, a small relocation allowance and basic research costs.

Please address application materials including a complete application form (<http://www.ifa.hawaii.edu/UHNAI/application.html>), which includes a CV, publication list, a research proposal (see <http://www.ifa.hawaii.edu/UHNAI>) and a list of at least three professional references to Dr. Rolf Kudritzki, Director, Institute for Astronomy, 2680 Woodlawn Drive, Honolulu, HI 96822. The letters of recommendation SHOULD BE sent SEPARATELY to this same address. Questions about the UH Astrobiology lead team's program may be directed to Dr. K. J. Meech (meech@ifa.hawaii.edu). Further details about the main belt survey may be obtained from Dr. David Jewitt by email (jewitt@ifa.hawaii.edu). Applications will be reviewed beginning May 15, 2006 and the position kept open until filled. The University of Hawaii is an EEO/AA employer and encourages applications from women and minorities.

No. 22555

Lectureship in Astronomy - Molecular astrophysics and / or Submillimetre Astronomy

THE UNIVERSITY OF MANCHESTER, UK

Sackville Street Building

United Kingdom

Tel: (44)1612758837

FAX: (44)1613064037

URL1: <http://www.manchjester.ac.uk/vacancies>

(University of Manchester job website)

URL2: <http://www.jb.man.ac.uk>

(Jodrell Bank Observatory website)

Email Inquiries: eps-hr@manchester.ac.uk

Attention: A. O'Neill or M. Gohil

To enhance its world-ranked research astrophysics programme, The University of Manchester seeks to fill a faculty position in astronomy. The position will be based in the Jodrell Bank Centre for Astrophysics within the School of Physics and Astronomy and will be in the general area of molecular astrophysics, astrochemistry and/or submillimetre astronomy, or a closely related area. Associated research areas currently addressed by the group include the origin and evolution of stars, circumstellar material and dust and astrochemistry. Suitably qualified candidates with observational and/or theoretical interests in one or more of these areas or related areas are encouraged to apply. With this appointment the group expects to strengthen its ability to exploit upcoming instruments and missions including SCUBA2, HARP-B, ALMA, JWST and Herschel.

Informal enquiries concerning this position can be made to Prof. Albert Zijlstra, email: Albert.Zijlstra@manchester.ac.uk, or Dr Gary Fuller, email: Gary.Fuller@manchester.ac.uk

Application forms and further particulars are available from our website <http://www.manchester.ac.uk/vacancies> . If you are unable to go online you can request a hard copy of the details from EPS HR Office, The University of Manchester, Sackville Street Building, Manchester, M60 1QD, Tel: 0161 275 8837; Fax: 0161 306 4037 or email : eps-hr@manchester.ac.uk. Salary from 24,352 up to 36,959 per annum

Quote ref: EPS/070/06 Closing date 5th May 2006

No. 22556

Post-doctoral Research Associate - Studies of high-mass star formation

UNIVERSITY OF MANCHESTER, JODRELL BANK OBSERVATORY

Sackville Street Building

United Kingdom

Tel: (44)1612758837

FAX: (44)1613064037

URL1: <http://www.manchester.ac.uk/vacancies>

(University of Manchester vacancy website)

URL2: <http://www.jb.man.ac.uk>

(Jodrell Bank Observatory website)

Email Inquiries: eps-hr@manchester.ac.uk

Attention: A. O'Neill or M. Gohil

A postdoctoral position is available to work on a new VLA high resolution radio continuum survey of the Galactic Plane. This Large VLA Project has been awarded ~400 hours of observing time and will begin in June 2006; it will cover the same area as the northern GLIMPSE survey made by the SPITZER satellite. This postdoctoral associate will take charge of the observations, reduction and exploitation of the survey, aimed principally at the study of high mass star formation. Collaboration with other members of the international team is envisaged.

The position is available immediately for a period of two years in the first instance, with the possibility of extension beyond this date. The appointment will be as a Research Associate, with a starting salary in the range of 24,886 to 26,401 per annum.

Informal inquiries should be made to Professor Phil Diamond, Tel: 01477 571321, Email: pdiamond@jb.man.ac.uk

Application forms and further particulars are available from our website <http://www.manchester.ac.uk/vacancies> . If you are unable to go online you can request a hard copy of the details from EPS HR Office, The University of Manchester, Sackville Street Building, Manchester, M60 1QD, Tel: 0161 275 8837; Fax: 0161 306 4037 or email : eps-hr@manchester.ac.uk .

Quote ref: EPS/108/06.

Closing date: 1 May 2006.

No. 22557

Postdoctoral Research Associate in Galaxies and Clusters

QUEEN MARY, UNIVERSITY OF LONDON

Mile End Road
London, London E1 4NS
UK

Tel: +44 20 7882 5454

FAX: +44 20 8983 3522

URL1: <http://www.maths.qmul.ac.uk/Astronomy/>

URL2: <http://www.maths.qmul.ac.uk/about/jobs.shtml>

Email Submission Address: Astronomy@qmul.ac.uk

Email Inquiries: Astronomy@qmul.ac.uk

Attention: Ms M Donovan, Astronomy Secretary

Applications are invited for a postdoctoral position in the dynamics of galaxies and clusters, with emphasis on strong lensing systems. Candidates should have a research background in some area of galaxies and clusters (such as stellar dynamics, stellar populations, or lensing), a good general knowledge of astrophysical processes, and preferably an interest in algorithms. The position is for three years, beginning Oct 1, 2006, with starting salary GBP 24,423 per annum. For further details see URL1 and URL2 above.

No. 22558**CMB Polarization and/or SZ survey Data Analysis****CARDIFF UNIVERSITY**

Cardiff University

5, The Parade

Cardiff, UK Cf24 3YB

UK

Tel: 44-29-20875526

FAX: 44-29-20874056

URL1: <http://www.astro.cf.ac.uk/groups/instrumentation>

Email Submission Address: gear@astro.cf.ac.uk

Email Inquiries: gear@astro.cf.ac.uk

Attention: Professor Walter K. Gear

The Astronomy Instrumentation Group in Cardiff require a Post Doctoral researcher to work on (a) observations and the analysis and scientific exploitation of data from the Bolocam instrument on the Caltech 10-m telescope, Aztec on the 15-m James Clerk Maxwell Telescope and the 'BLAST' balloon experiment. Particular emphasis in the science exploitation of these data will be towards Sunyaev-Zeldovich effect survey data (b) analysis of data from the 'QUaD' (QUEST at DASI) CMB polarization experiment, which is currently operating in Antarctica. Depending on the particular interests and skills of the applicant the opportunity also exists to get involved in other projects in which the group are participating, see the group website for the extensive list of possibilities.

The position is available immediately and the appointment is for 3 years. A Phd (awarded or submitted) in a relevant subject is essential and experience in either millimetre-submillimetre observing and data analysis and/or SZ/CMB science is highly desirable.

Cardiff has the largest group of millimetre/submillimetre astronomers in the UK and is involved in many other projects other than those mentioned here. Further details on research activity may be found at <http://www.astro.cf.ac.uk/groups/instrumentation/> .

Informal enquiries may be made to Professor Walter Gear (gear@astro..cf.ac.uk) to whom applications should also be sent. Closing date for applications is sept 30th 2005.

No. 22559

Research Data Analyst

AMERICAN MUSEUM OF NATURAL HISTORY

Dept. of Astrophysics

Central Park West at 79th Street

New York, NY 10024

USA

Tel: 212-313-7318

FAX: 212-769-5007

URL1: <http://research.amnh.org/astrophysics/>

Email Submission Address: dzurek@amnh.org

Email Inquiries: dzurek@amnh.org

Attention: David Zurek, Data Collections Manager

The Department of Astrophysics at the American Museum of Natural History has an immediate opening for a full-time Research Data Analyst to work on Hubble Space Telescope ultraviolet and optical imaging data of globular clusters. The initial duration of this position will be one year, although it may be extended with future funding.

Applicants must have at least a Bachelor's degree in Astronomy, Physics or related field and have good communication and interpersonal skills. A working knowledge of IRAF is needed and the applicant should be comfortable working on Linux and Mac OSX computers. Additional programming skills and a knowledge of other data analysis software (e.g. DAOPHOT) is highly desirable.

Applicants who have experience in a research environment are encouraged to elaborate on their software and research experience by briefly describing the research projects and the specific software used.

Applicants should email (PDF preferred) their resumes, cover letters and the names of three references to dzurek@amnh.org. Applications will be considered beginning promptly on 1 May 2006. Early application is encouraged. The American Museum of Natural History is an equal opportunity employer.

No. 22560

Telescope controls programmer

CARNEGIE INSTITUTION OF WASHINGTON

813 Santa Barbara Street

Pasadena, CA 91101

US

Tel: 626-304-0243

FAX: 626-795-8136

URL1: <http://www.ociw.edu>

(Carnegie Observatories)

URL2: <http://www.lco.cl>

(Las Campanas Observatory)

Email Submission Address: jobs4@ociw.edu

Email Inquiries: jobs4@ociw.edu

Attention: J. Collison, Human resources manager

Carnegie Observatories seeks an energetic programmer with lab or observatory experience to support telescope and instrument control at the Magellan telescopes. Tasks include working with instrument builders to develop, maintain, and document instrument-telescope interface software and developing new control software for the telescopes. The primary environment is Linux computers communicating with DOS and VxWorks systems running FORTRAN and C.

This position is located at the seaside town of La Serena, Chile. The job requires shift work, often at night, at Las Campanas Observatory, about 160 km north of La Serena. Meals and lodging are provided while on the mountain.

Requirements: three or more years programming experience in an experimental scientific environment or observatory, proficiency in C and derivative languages and the Linux (or similar) operating system, ability to devise and comprehend complex algorithms used to control telescope systems for best image quality (image centroiding, guider motions, servos, etc.), good written and oral English language skills, ability and desire to work in a team environment, ability to work at 8000 feet. Knowledge of Fortran is a plus.

Submit your resume or CV and a cover letter that includes contact information (name, phone, and email) for two professional references familiar with your work, all in PDF format to jobs4@ociw.edu no later than May 31, 2006. Carnegie is an equal opportunity employer.

No. 22561

NSERC Visiting Fellowship – NATIONAL RESEARCH COUNCIL OF CANADA (NRC)

NRC-HIA'S DOMINION RADIO ASTROPHYSICAL OBSERVATORY

P.O. Box 248

Penticton, British Columbia V2A 6J9

CANADA

Tel: 250-493-2277

FAX: 250-493-7767

URL1: <http://www.drao-ofr.hia-ihc.nrc-cnrc.gc.ca/>

(Dominion Radio Astrophysical Observatory)

URL2: <http://www.ras.ucalgary.ca/CGPS/>

(Canadian Galactic Plane Survey)

URL3: http://www.nserc.ca/sf_e.asp?nav=sfnv&lbi=3d

(Natural Sciences & Engineering Research Council)

Email Submission Address: tom.landecker@nrc-cnrc.gc.ca

Attention: Dr. Tom Landecker, Director, Dominion Radio Astrophysical Observatory

NRC-HIA's Dominion Radio Astrophysical Observatory in Penticton has an opening for a postdoctoral Research Fellow in 2006 to work on the Canadian Galactic Plane Survey (CGPS). The Fellow will join a research program investigating polarization of Galactic radio emission. This program includes collaborations with the University of Calgary and the Max-Planck-Institut fuer Radioastronomie, Bonn, Germany. Three other postdoctoral scientists work on CGPS research at DRAO.

The CGPS is imaging the principal components of the Interstellar Medium with arcminute resolution, and is advancing the understanding of physical states and processes in the ISM. Data from a 110-degree section of the northern Galactic plane are now available, and coverage is being extended. The CGPS database includes DRAO images of atomic hydrogen and radio continuum at 408 and 1420 MHz, including polarimetry at 1420 MHz, and complementary images of molecular gas, and dust emission. Publications from the Survey are accessible at <http://www.ras.ualgary.ca/CGPS/>.

Applicants should have acquired a Ph.D. within the last five years, or expect to obtain the degree before taking up the position. Strong skills in ISM research will be an asset, as will experience with aperture synthesis techniques and polarimetry. The Fellow will participate in the execution of the Survey.

Appointment will be for a one year term, renewable up to three years subject to performance review and funding. The Fellowship is administered through the Natural Sciences and Engineering Research Council (NSERC). Application forms are at: http://www.nserc.ca/sf_e.asp?nav=sfnv&lbi=3d. Application deadline is 26 May 2006. Starting date is negotiable, but no later than December 2006. Applicants should submit the requisite forms to NSERC directly, and also send a research proposal to the Director of DRAO (tom.landecker@nrc-cnrc.gc.ca), who should be contacted early in the application process.

Ces renseignements sont aussi disponibles en français.

No. 22562
Postdoc in Extragalactic Astronomy
LEIDEN OBSERVATORY
P.O. Box 9513
Netherlands
Tel: +31 71 527 5870
Email Submission Address: franx@strw.leidenuniv.nl

Attention: Marijn Franx

A postdoctoral position has become available at Leiden Observatory. Candidates with a strong record of independent research are invited to apply. The appointee will have access to all facilities available to researchers at the observatory, including the ESO-VLT, HST, and other ground based and space based observatories. Candidates with experience in intermediate to high redshift galaxies studies are especially sought.

The appointment will be made for an initial period of two years with an extension to three years, contingent upon performance. The starting date is negotiable and could be as early as Summer 2006. Applicants should send a cover letter with a curriculum vitae, publication record, and description of research interests and arrange for three letters of recommendation to be sent directly to Marijn Franx at the above address.

No. 22563**Associate Director for Development****AURA-GEMINI OBSERVATORY**

670 N. A'ohoku Place

Hilo, HI 96720

USA

Tel: 808-974-2500

FAX: 808-933-1624

URL1: <http://www.gemini.edu>*(Gemini Observatory Website)*URL2: <http://www.gemini.edu/jobs>*(Gemini Observatory Jobs Page)*Email Submission Address: gemini-jobs@gemini.eduEmail Inquiries: dsimons@gemini.edu***Attention: Human Resources/ADD-AAS***

The GEMINI OBSERVATORY has an immediate opening for an ASSOCIATE DIRECTOR FOR DEVELOPMENT in Hilo, Hawaii. The successful applicant will be responsible for managing the development of all new instrumentation at Gemini Observatory, including new Aspen instruments and advanced adaptive optics systems. The Associate Director for Development will be the principal Observatory representative to instrumentation teams across the entire Gemini Partnership who are designing, fabricating, and testing Gemini's next-generation instruments. This position requires a broad range of technical, scientific, and management skills. Gemini's development program involves resources across the diverse Gemini Partner countries and provides the Observatory's user community with state-of-the-art research tools.

Requirements include:

- Extensive experience with facility-class astronomical instrumentation
- Demonstrated leadership skills and an ability to quickly acquire the necessary understanding of complex issues
- Project management of highly distributed multi-million dollar programs
- Experience in strategic planning, budgetary planning, and financial management
- Experience in identifying project risks and developing strategies for addressing such challenges
- Experience developing metrics to monitor and assess progress across many independent development teams
- Ability to create clear and deliver meaningful presentations to governing boards
- Experience working in an astronomical observatory environment
- Preference given to qualified candidates with advanced degree in astronomy

Significant travel is required in order to interact on a regular basis with Gemini's instrument teams. Proposed starting date is mid-2006.

The selected candidate will be an employee of AURA, which provides an excellent compensation and benefits package. Send current resume along with cover letter relating your experience and education to the needs of the position. Please include the names and contact information of three individuals familiar with your work and credentials from whom a reference may be obtained.

EOE/AA

No. 22564**Associate Director for Science Operations**

AURA-GEMINI OBSERVATORY**670 N. A'ohoku Place****Hilo, HI 96720****USA****Tel: 808-974-2500****FAX: 808-933-1624****URL1: <http://www.gemini.edu>****(Gemini Observatory Website)****URL2: <http://www.gemini.edu/jobs>****(Gemini Observatory Jobs Page)****Email Submission Address: gemini-jobs@gemini.edu****Email Inquiries: jroy@gemini.edu*****Attention: Human Resources/ADSO-AAS***

The GEMINI OBSERVATORY is seeking a senior astronomer for the position of ASSOCIATE DIRECTOR FOR SCIENCE OPERATIONS. The successful applicant will provide scientific direction and oversight of the Observatory's science systems and will work closely with the Heads of Science Operations for Gemini South and Gemini North to ensure consistency across the two sites. Requires working as part of the high-level management team of the Observatory to maintain an effective, streamlined and standardized observing process at both Gemini Telescopes.

The position provides overarching scientific management of new operations systems under development at Gemini. This includes the new Data Flow System and Products Project that involves data flow management, data reduction tools and the Gemini Science Archive. Through his/her leadership role in the science staff and the operations development program, this key member of the senior management team of the Observatory will participate in defining Gemini's evolving strategic vision.

Ph.D. astronomers actively pursuing research with experience in science and data systems management who are invigorated by and are willing to take on a new challenge are invited to apply. The desired starting date for the position is mid-2006. The appointment is at the tenure-track, tenured level or as a senior scientist. While an appointment based in La Serena Chile is preferred, candidates who prefer to be based in Hilo, Hawaii will also be considered. The successful candidate will have time available for astronomical research focusing on areas in which Gemini can make a major impact.

The selected candidate will be an employee of AURA, which provides an excellent compensation and benefits package. Send current resume and research statement along with cover letter relating your experience and education to the needs of the position. Please include the names and contact information of three individuals familiar with your work and credentials from whom a reference may be obtained.

No. 22565**AAO Research Astronomer****ANGLO-AUSTRALIAN OBSERVATORY****167 Vimiera Rd****Eastwood, NSW 2122****Australia****Tel: +61 2 9372 4800**

FAX: +61 2 9372 4880

URL1: <http://www.aao.gov.au/local/www/jobs/empinfpk.htm>

(Employment Information Package)

URL2: <http://www.aao.gov.au/>

(AAO Home Page)

URL3: <http://www.aao.gov.au/astro>

(Science at the AAO)

Email Submission Address: jobs@aao.gov.au

Email Inquiries: cgt@aao.gov.au

Attention: The Personnel Officer

AAO RESEARCH ASTRONOMER

The Anglo-Australian Observatory (AAO) wishes to appoint a highly motivated Research Astronomer from 3 July 2006. The appointee will be expected to pursue their own research using the excellent facilities of the Observatory and to assist with the operation of the AAT. The position will be based at the Epping Laboratory, in Sydney. The Epping campus is also home of the Australia Telescope National Facility. Candidates must have a strong background in astronomy, astrophysics or a related branch of experimental physics.

The appointment will be for a period of five years, subject to a six month probationary period. Salary will be in the range \$A67,962 to \$A73,476 p.a. plus employer superannuation contributions and removal expenses. A higher salary is possible for an exceptional candidate. Applications should include a curriculum vitae, list of publications, a statement of proposed research programs and the names and addresses (including e-mail and phone) of three referees familiar with the applicant's work. The applicant must arrange for references to be sent before the closing date, which is 15 May, 2006

Further information about the position, the full text of the advertisement, and the information package necessary to apply and can be obtained from <http://www.aao.gov.au/local/www/jobs> . Questions about the position should be addressed to Chris Tinney, Head of Astronomy, Phone +61 2 9372 4800: Fax +61 2 9372 4880 or e-mail: cgt@aao.gov.au,

The Anglo-Australian Observatory is an Equal Opportunity Employer

No. 22566

AAO Research Fellow

ANGLO-AUSTRALIAN OBSERVATORY

167 Vimiera Rd

Eastwood, NSW 2122

Australia

Tel: +61 2 9372 4800

FAX: +61 2 9372 4880

URL1: <http://www.aao.gov.au/local/www/jobs/empinfpk.htm>

(Employment Information Package)

URL2: <http://www.aao.gov.au/>

(AAO Home Page)

URL3: <http://www.aao.gov.au/astro>

(Science at the AAO)

Email Submission Address: jobs@ao.gov.au

Email Inquiries: cgt@ao.gov.au

Attention: The Personnel Officer

AAO RESEARCH FELLOW

The Australian Research Council (ARC) and the UK Particle Physics and Astronomy Research Council (PPARC) jointly fund a Research Fellowship tenable for up to two years at the Anglo-Australian Observatory (AAO). Applications are now sought for a Research Fellow, to fill a position available from 30 August, 2006. The position will be based at the Epping Laboratory, in Sydney.

The recipient of the fellowship will be free to conduct their own research program, and the appointee will be expected to participate in the operation of the Observatory by performing duties such as supporting visiting astronomers. The Fellowship salary will start at A\$61,413 p.a. plus employers superannuation contributions. Reasonable relocation expenses including airfare to Australia (and return on completion of the appointment) will be paid.

Further information about the position, the full text of the advertisement, and the information package necessary to apply and can be obtained from <http://www.ao.gov.au/local/www/jobs> . Questions about the position should be addressed to the Head of Astronomy, Phone +61 2 9372 4800: Fax +61 2 9372 4880 or e-mail: cgt@ao.gov.au,

The Anglo-Australian Observatory is an Equal Opportunity Employer

No. 22567

Magellan Fellows

ANGLO-AUSTRALIAN OBSERVATORY

167 Vimiera Rd

Eastwood, NSW 2122

Australia

Tel: +61 2 9372 4800

FAX: +61 2 9372 4880

URL1: <http://www.ao.gov.au/local/www/jobs/empinfpk.htm>

(Employment Information Package)

URL2: <http://www.ao.gov.au/>

(AAO Home Page)

URL3: <http://www.lco.cl/lco/magellan/>

(Magellan Telescopes)

Email Submission Address: jobs@ao.gov.au

Email Inquiries: cgt@ao.gov.au

Attention: The Personnel Officer

MAGELLAN FELLOWS A\$70,720 (plus employer's superannuation contribution)

The Anglo-Australian Observatory is hiring two Magellan Fellows for support duties and research

associated with the Magellan telescopes. The positions are for three years. The first two are spent as facilities scientists supporting the two Magellan telescopes and their instruments at Las Campanas Observatory. Fellows will reside in La Serena, Chile, but spend approximately two weeks per month working on the mountain. The third year will be spent in Australia carrying out the Fellow's own research. Any Australian institution may host the Fellow. Fellows may apply for Magellan time through the Australian share and similarly access Gemini and the AAT.

Requirements include a PhD in Astronomy or Physics, significant optical and/or near-infrared observing experience, and a strong research record. Preference will be given to candidates with direct instrumentation experience. Proficiency in optical design, controls, IRAF programming, Python, or IDL is desirable. Knowledge of Spanish is not essential.

Further information about the position, the full text of the advertisement, and the information package necessary to apply can be obtained from <http://www.aao.gov.au/local/www/jobs> . Address questions to Dr Chris Tinney, Head of Astronomy, AAO , +61-2-9372-4800, cgt@ao.gov.au.

Applications by email to jobs@ao.gov.au should be received by 15 May 2006 including; a covering letter demonstrating how they meet the criteria, a CV and publications list, a statement of proposed research, a supporting letter from their Australian host institution, and contact details (including phone and email) of three referees.

The Anglo-Australian Observatory is an equal opportunity employer.

No. 22568

Executive Director

ASTRONOMICAL SOCIETY OF THE PACIFIC

390 Ashton Ave

San Francisco, CA 94112

USA

Tel: 415-337-1100 ext 111

FAX: 415-337-5205

URL1: <http://www.astrosociety.org>

Email Submission Address: mbennett@astrosociety.org

Email Inquiries: mbennett@astrosociety.org

Attention: Michael Bennett, Executive Director

The Astronomical Society of the Pacific (ASP) is seeking a dynamic Executive Director to lead it into continued growth and new opportunities.

Founded in 1889 in San Francisco, the ASP is one of the nation's most respected organizations devoted to improving people's understanding, appreciation, and enjoyment of astronomy and space. Widely recognized for its success in building bridges between research astronomers, educators of all descriptions, and amateur astronomers, the ASP publishes both scholarly and educational materials, conducts professional development programs for formal and informal educators, and holds conferences, symposia, and workshops for scientists and educators who specialize in astronomy education and outreach. Key responsibilities include the following: strategic planning and implementation, organizational leadership, institutional advancement, financial management, pursuit of opportunities, and organizational collaboration.

The successful candidate will have at least five years experience in a management position in a research or science education setting. Direct management experience with nationwide science education programs, or major physics or astronomy programs, funded by NASA and/or NSF, is also highly desirable. An advanced degree in a science related to astronomy, or in education, is preferred. Equivalent experience may be substituted.

Application package should include a full resume or c.v. and a cover letter explaining the candidate's interest in the position and their qualifications for it. Application by email is preferred but not required.

Position will remain open until filled.

No. 22569

Research Associate in Theoretical Interpretation of CMB Observations

UNIVERSITY OF CAMBRIDGE, DEPARTMENT OF PHYSICS

J J Thomson Avenue

Cavendish Laboratory

Cambridge, Cambridgeshire CB3 0HE

UK

Tel: +44 1223 337294

FAX: +44 1223 354599

URL1: <http://www.admin.cam.ac.uk/offices/personnel/forms/pd18>

(Job Application Form)

Email Submission Address: karen@mrao.cam.ac.uk

Email Inquiries: a.d.challinor@mrao.cam.ac.uk

Attention: Mrs K E Scrivener, Senior Group Administrator

The Astrophysics Group of the Department of Physics, University of Cambridge, invites applications for a postdoctoral research associate to work on the theoretical interpretation of cosmic microwave background observations. The Group conducts a broad programme of astrophysics research involving instrumentation, observation, theory and modelling. In the CMB area, we are directly involved in a number of observational programmes including the VSA, AMI and Clover, and are active partners in the Cambridge Planck Analysis Centre (CPAC) which is responsible for scientific processing of the maps to be produced from ESA's Planck mission.

The successful candidate will be expected to work with a small group of staff and students on a theoretical programme aimed at the scientific interpretation of current and upcoming CMB datasets. Interaction with the observational CMB group and engagement with CPAC activities will be encouraged. A PhD (or equivalent) in physics or astronomy is required for this post, though we shall be happy to consider applications from those who are close to completing their graduate studies. Research experience in theoretical cosmology and/or CMB data analysis would be advantageous. Informal enquiries about the work may be addressed to Anthony Challinor (a.d.challinor@mrao.cam.ac.uk) or Mike Hobson (mph@mrao.cam.ac.uk).

The appointment will be on the Research Associate Grade I scale (currently £20,044 - £30,002 per annum) at a level determined by skills and experience. Expenses for travel associated with the project are provided. The position is available immediately and we expect the post holder to start on or before 1 October 2006. The appointment will be for a period of three years.

Further information may be obtained from Mrs Karen Scrivener, Astrophysics Group, Cavendish Laboratory, J J Thomson Avenue, Cambridge CB3 0HE, tel 01223 337294 (karen@mrao.cam.ac.uk). Applications should contain a full CV and list of publications, together with the names and contact details of two referees, a brief summary of research interests, and a completed copy of the 'Cover Sheet for Employment to Accompany CV' form available from <http://www.admin.cam.ac.uk/offices/personnel/forms/pd18/>. Applications should be sent to the address above so as to reach Mrs Scrivener no later than 30 April 2006.

The University is committed to equality of opportunity.

No. 22570

Postdoc Accretion and Jet formation

UNIVERSITY OF SOUTHAMPTON

School of Physics & Astronomy

University of Southampton

Southampton, Hampshire SO17 1BJ

UK

Tel: +442380592076

FAX: +442380593910

Email Submission Address: rpf@phys.soton.ac.uk

Email Inquiries: rpf@phys.soton.ac.uk

Attention: Rob Fender, Prof

Research Fellow in Accretion and Jet Formation

A postdoctoral fellowship is available to work with Prof Rob Fender in the Astronomy Group at the University of Southampton, UK. The position will focus on the relation between inflow and outflow in systems containing accreting relativistic objects, namely black holes and neutron stars. A specific focus will be the analogies and scaling relations between accreting stellar mass black holes in X-ray binary systems and supermassive black holes in active galactic nuclei, although the successful applicant will be free, and encouraged, to conduct research in any related areas. Applicants with both observational and more theoretical background are encouraged to apply. Applicants must hold a PhD in Astrophysics.

The Astronomy Group at Southampton University is a leading institute in high-energy astrophysics, with active research, both observational and theoretical, into accretion and related processes on all scales. Furthermore, it is the UK centre for INTEGRAL, is a partner in SALT and has a strong interest and involvement in e-MERLIN, LOFAR and SKA. Prof Fender's group has particularly strong links with the high energy astrophysics group at the University of Amsterdam.

The group is part of the School of Physics & Astronomy, which achieved a 5* rating in the last UK Research Assessment Exercise, making it one of the top five Physics schools in the country for research. See <http://www.astro.soton.ac.uk/> for more information on the group, the School and the University.

This is a PPARC-funded position available from April 2006 for 24 months (with very good potential for extension) and a starting salary of £23,457 per annum. The closing date for applications is the end of April.

No. 22571

Faculty Position in the Field of Experimental Astrophysics

UNIVERSITY OF CAMBRIDGE, DEPARTMENT OF PHYSICS

J J Thomson Avenue

Cavendish Laboratory

Cambridge, Cambridgeshire CB3 0HE

UK

Tel: +44 1223 337429

FAX: +44 1223 363263

URL1:

http://www.phy.cam.ac.uk/vacancies/The_Cavendish_Laboratory_and_the_Department_of_Physics
(Further Details)

URL2: <http://www.mrao.cam.ac.uk>

(Research Information)

URL3: <http://www.admin.cam.ac.uk/offices/personnel/forms/pd18/>

(Application Form)

Email Submission Address: hod@phy.cam.ac.uk

Email Inquiries: a.n.lasenby@mrao.cam.ac.uk

Attention: Professor P Littlewood, Head of Department

Applications are invited in the field of experimental astrophysics for positions at the Cavendish Laboratory, Cambridge.

As part of a strategy to invest in new research areas and to support areas of excellence, the Cavendish Laboratory is engaging in a search for staff with outstanding research records at the level of Lecturer, Reader, and Professor, in all areas of physics.

Applications are now invited for two Readerships and three University Lectureships in the Department of Physics. We expect that some of these positions will be used to support a major thrust in the physics of quantum systems, viewed broadly to include optical physics, atomic physics, and condensed matter physics. We are also searching for strong candidates in experimental astrophysics, and in experimental and phenomenological particle physics. These posts are additional to three recently advertised positions in experimental quantum condensed matter, bio-medical, and soft matter physics.

Appointments to the Readerships will be to the retiring age and to the University Lectureships will be for a probationary period of five years, with appointment to the retiring age thereafter. The pensionable stipend for a Reader is £47,262 per annum, and for a University Lecturer is on the scale £25,565 to £39,452 per annum. Appointments will be from 1 October 2006 or as soon as possible thereafter.

Further details of the posts and of the current research and teaching programme of the Laboratory can be found at

http://www.phy.cam.ac.uk/vacancies/The_Cavendish_Laboratory_and_the_Department_of_Physics_C

In addition, potential candidates in the astrophysics area are encouraged to see

<http://www.mrao.cam.ac.uk/> and to contact Professor Anthony Lasenby

(a.n.lasenby@mrao.cam.ac.uk), Head of the Astrophysics Group at the Cavendish, for further details.

Applications, including a curriculum vitae, a statement (up to six pages) of research experience to

date and of research plans for the future, and a completed form PD18 (available at <http://www.admin.cam.ac.uk/offices/personnel/forms/pd18/>) nominating three referees should be sent by the closing date of 30 April 2006 to the Head of Department, Professor Peter Littlewood, Cavendish Laboratory, J J Thomson Avenue, Cambridge, CB3 0HE, UK (hod@phy.cam.ac.uk).

The University is committed to equality of opportunity.

No. 22572

1 Postdoc, 1 PhD Student in Exoplanetary Systems Research

STERREKUNDIG INSTITUUT, UTRECHT UNIVERSITY

P.O. Box 80000

The Netherlands

Tel:

URL1: <http://astro.uu.nl>

(Astronomical Institute Utrecht)

Email Submission Address: p&o@phys.uu.nl

Email Inquiries: C.U.Keller@astro.uu.nl

Attention: Personnel Office

We received funding for a high-precision imaging polarimeter for the 4.2-m William Herschel Telescope to study polarized starlight scattered by circumstellar material. We look for a postdoctoral researcher with experience in optical observations. Experience in the areas of polarimetry and/or the modeling of circumstellar disks are an asset. The PhD student will focus on the design, construction, and calibration of the instrument. We offer fulltime temporary appointments. The four year PhD position obtains a gross salary of Euro 1933 per month in year 1 and increasing to Euro 2472 in year 4. The postdoc is initially for 2 years with the possibility to extend up to 5 years. Gross salary is between Euro 2708 and Euro 4140 per month, depending on qualifications and experiences, according to the Collective Employment Agreement of the Dutch Universities. The salary is supplemented with a holiday bonus of 8% and a year-end bonus of 3% per year. In addition we offer: a pension scheme, partially paid parental leave, facilities for childcare. Conditions are based on the Collective Employment Agreement of the Dutch Universities.

Information about these positions can be obtained from Prof.dr. Christoph Keller, email C.U.Keller@astro.uu.nl . Applications including a research statement, current CV, list of publications, and three reference letters should be sent to the Personnel Office, Department of Physics and Astronomy, P.O. Box 80000, 3508 TA Utrecht, the Netherlands or submit by e-mail to: p&o@phys.uu.nl . Mention vacancy number 63607 for the postdoc, vacancy number 63608 for the PhD position. Deadline is May 15, 2006.

No. 22573

Associate Professor of Astrophysics (Cosmology and Extragalactic Astronomy)

UNIVERSITY OF OSLO

P.O.Box 1032 Blindern

Oslo, Norway NO-0315

Norway

Tel:

Email Inquiries: per.lilje@astro.uio.no

Attention: Ms. Gro Corell, Ref. # 063247

The Institute of Theoretical Astrophysics of the University of Oslo opens a new permanent position on the associate professor level in cosmology and extragalactic astronomy. The applicants must show an excellent future research potential and must be able to interact well with the already ongoing research activities at the Institute.

The person employed must be able to teach at all levels within the study programs and must be able to supervise master- and Ph.D. students within his/her specialty. The teaching languages of the University of Oslo are Norwegian and English.

Main emphasis will be given to the supplied scientific work in the evaluation of applicants. Research leadership and participation in research projects will also be considered, provided sufficient documentation is provided. Furthermore, weight will be given to personal qualities (leadership, ability to create a positive environment etc). The minimum formal requirements include a Ph.D. in astrophysics or a related field.

Four sets of the application (marked with REF.NO. 063247), including curriculum vitae, a complete survey of education and previous posts with certified copies of examination and employment certificates, a list of publications (overview of all publications), a complete survey and a brief account of those works that shall be the particular object of qualitative assessment with these works enclosed (the total should not exceed 10), two references and a folder providing an overview of other qualifications with documentary evidence should be forwarded to:

Faculty of Mathematics and Natural Sciences, University of Oslo, Attn.: Senior Executive Officer Gro Corell, P.O.Box 1032, Blindern, NO-0315 OSLO before the 1st of June, 2006.

For a more complete job description and further information, contact Head of Department, Prof. Per B. Lilje, per.lilje@astro.uio.no

No. 22574**Full or associate professor, Modelling of astrophysical plasmas and radiation fields****UNIVERSITY OF OSLO****University of Oslo****P.O.Box 1032 Blindern****Norway****Tel:****Email Inquiries: mats.carlsson@astro.uio.no****Attention: Ms. Gro Corell, Ref # 063246**

The Institute of Theoretical Astrophysics of the University of Oslo wishes to strengthen the activity within numerical modelling and simulation of astrophysical plasmas and radiation fields by opening a new permanent faculty position within this field of research. The position will be either on the associate professor or full professor level, depending on the qualifications of the applicant. The applicants must have a strong research record in this field, both in development of methods and in applications to astrophysical problems. We are open to both applicants who apply such methods to astrophysical problems already under investigation by the group (i.e. the solar atmosphere) and to

other phenomena (i.e. within cosmology and extragalactic astronomy). Special weight will be given on expected future potential and on how the applicants will interact with the already ongoing research activities.

Main emphasis will be given to the supplied scientific work in the evaluation of applicants. Research leadership and participation in research projects will also be considered, provided sufficient documentation is given. Furthermore, weight will be given to personal qualities (leadership, ability to create a positive environment etc) and expected future potential. The minimum formal requirements include a Ph.D. in astrophysics or a related field.

Four sets of the application (marked with REF.NO. 063246), including curriculum vitae, a complete survey of education and previous posts with certified copies of examination and employment certificates, a list of publications (overview of all publications), a complete survey and a brief account of those works that shall be the particular object of qualitative assessment with these works enclosed (the total should not exceed 10), two references and a folder providing an overview of other qualifications with documentary evidence should be forwarded to:

Faculty of Mathematics and Natural Sciences, University of Oslo, Attn.: Senior Executive Officer Gro Corell, P.O.Box 1032, Blindern, NO-0315 OSLO before the 1st of June, 2006.

For a more complete job description and further information, contact Prof. Mats Carlsson, mats.carlsson@astro.uio.no.

No. 22575

**Postdoctoral position in Cosmology
KAPTEYN ASTRONOMICAL INSTITUTE**

Landleven 12

The Netherlands

Tel: +31-50-3634055

FAX: +31-50-3636100

URL1: <http://www.astro.rug.nl/>

(*Kapteyn Institute webpage*)

URL2: <http://www.lofar.org>

(*LOFAR webpage*)

Email Submission Address: saleem@astro.rug.nl

Email Inquiries: saleem@astro.rug.nl

Attention: Saleem Zaroubi, Dr.

Applications are invited for a postdoctoral position in cosmology at the Kapteyn Astronomical Institute, in connection to the LOFAR Epoch-of-Reionization key project. The LOFAR telescope is currently under development and is expected to become operational during 2007, with the Epoch-of-Reionization as one of its science drivers. The successful candidate will take part in the theoretical effort of the LOFAR-Epoch-of-Reionization project. The postdoc will especially focus on developing the statistical/mathematical tools to measure the properties of the IGM during and prior to the epoch of reionization and apply them to simulated and real data. The LOFAR-EoR project at Kapteyn institute is led by Prof. A.G. de Bruyn, Dr. L.V.E. Koopmans and Dr. S. Zaroubi.

Qualified candidates must have a Ph.D. in Astrophysics or a related field by the date of appointment.

Experience with data analysis techniques for large-scale structure, CMB, or other cosmological data is highly preferable.

The appointment will be made for an initial period of two years with the possibility for an extension to three years, contingent on performance. The starting date is negotiable and could be as early as Summer 2006. Applicants should send a cover letter with a curriculum vitae, publication record, and description of research interests and arrange for three letters of recommendation to be sent directly to Dr. Saleem Zaroubi at the above address (electronic submission is preferable). Completed applications received by May, 31st 2006 are assured full consideration.

For further information see the web sites: <http://www.lofar.org> and <http://www.astro.rug.nl/~saleem>

No. 22576

Tenured Faculty Member

YALE UNIVERSITY

260 Whitney Ave.

P.O. Box 208101

New Haven, CT 06511

USA

Tel: 203-432-3000

FAX: 203-432-5048

Email Submission Address: delong@astro.yale.edu

Email Inquiries: delong@astro.yale.edu

Attention: Susan DeLong, Sr. Administrative Assistant

The Astronomy Department at Yale University is conducting a search for a tenured faculty member with an active research program focused on observational studies of galaxy formation and evolution. We seek a recognized or emerging world leader in this field who could contribute to our graduate and undergraduate programs. Letters of application and curriculum vitae or letters of nomination describing a candidate's contributions and promise should be sent to the above address. The search will continue until the position is filled, but applications received prior to May 1, 2006 will receive full consideration. Yale is an affirmative action / equal opportunity employer. We encourage nominations of and applications from women and minority scholars.

No. 22577

Director of High Performance Computing Facility in Astronomy Dept

UNIVERSITY OF MASSACHUSETTS

167 Whitmore Administration Building

Amherst, MA 01003

Tel: (413) 545-0380

FAX: (413) 545-0483

Attention: Search 22881, Employment Office

Director of High Performance Computing Facility in Astronomy Dept.

The University of Massachusetts, Amherst invites applications for the Director of the High

Performance Computing Facility in the Astronomy Department. The successful applicant will join a growing computational theory, simulation, and statistics group that currently consists of Neal Katz, Houjun Mo, and Martin Weinberg and several postdocs and students.

The successful applicant will be responsible for (1) managing both the hardware and software of our current 256 processor Linux based Beowulf cluster, (2) planning for the expansion and upgrade of the current system, (3) interfacing with the department's research community, particularly the theory group to aid in the development of research software in a parallel environment, (4) provide high level advisory support for the Beowulf clusters in other departments of the College of Natural Sciences and Mathematics.

Applicants must have a Masters in astronomy, physics, or a related field with at least 3 years experience in supporting Linux based computer systems. Experience in parallel computing, advanced networking techniques, facility with C/C++ and system programming is required. The successful applicant must be available to work on-call during emergencies. Salary is commensurate with experience. The commencement date for this position is anticipated to be September 1, 2006 but could begin earlier. Review of applications will begin on May 1, 2006 and continue until the position is filled. Interested individuals should submit a current vita and arrange for three letters of recommendation to be transmitted to the search committee.

The University of Massachusetts is an AA/EO employer. Women and members of minority groups are encouraged to apply.

Submission address:

Search 22881, Employment Office University of Massachusetts 167 Whitmore Administration Building
Amherst, MA 01003

No. 22578

Postdoctoral Fellowship

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.as.utexas.edu/mcdonald/mcdonald.html>

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

Email Submission Address: hard copy submissions preferred

Email Inquiries: director@astro.as.utexas.edu

Attention: David L. Lambert, Director

Applications are invited for a position as a postdoctoral fellow at the W.J. McDonald Observatory, The University of Texas at Austin, to work with Dr. David L. Lambert on spectroscopic determinations of the chemical composition of stars.

Candidates are expected to hold a Ph.D., granted no earlier than 2004, at the time of appointment.

Prior experience in abundance analysis is highly desirable. The position is offered for an initial period of one year, with an extension subject to performance. The position is available starting June 1, 2006.

Interested candidates should send a curriculum vitae, list of publications and statement of research interests to Dr. David L. Lambert at the above address, and should arrange to have letters of recommendation sent by three professional scientists familiar with the candidate's research. The closing date for applications will be May 1, 2006. EOE/AEE.

No. 22579

Exoplanet Science

UNIVERSITY OF HERTFORDSHIRE

Tel:

URL1: <http://strc.herts.ac.uk/astro/index.html>

(Centre for Astrophysics Research)

URL2: <http://perseus.herts.ac.uk/administration/personnel/index.cfm>

(Personnel Department)

Email Inquiries: hraj@star.herts.ac.uk

Attention: Hugh Jones

Applicants are invited for a research position in exoplanet astrophysics. The main focus of the postdoctoral researcher will be the interpretation and follow-up of reflected light signatures from close-orbiting exoplanets.

The post is available for 3 years in the first instance, and funding will start on 1st April 2006, hence a desire to fill the post as soon as possible. Candidates should have a PhD, or expect to be awarded a PhD before the start date. The appointment will be on a salary scale starting at GBP 24,161 but might be higher for exceptional candidates or those with extensive experience.

Further details of the above post and application forms can be obtained on-line at <http://recruitment.herts.ac.uk/recruit/> or from the Personnel Department at the University of Hertfordshire, College Lane, Hatfield, Hertfordshire AL10 9AB, England, or telephone +44 1707 284802, quoting reference number EI6240. The closing date is 1st May, 2006.

The University is an equal opportunity employer.

No. 22580

Postdoc in Transient Optical Astronomy

LAS CUMBRES OBSERVATORY, INC.

6740 Cortona Drive

Goleta, California 93117

USA

Tel:

URL1: <http://www.LCOGT.net>

((under construction))

URL2: <http://www.LCOGT.net/jobs/postdoc>

((under construction))

Email Submission Address: postdoc@lcogt.net

Email Inquiries: postdoc@lcogt.net

Attention: Wayne Rosing, Director

The Las Cumbres Observatory Global Telescope Network (LCOGT) is in the process of assembling a global network of robotic optical telescopes. LCOGT is a privately funded observatory oriented towards the study of time-dependent astronomical phenomena. LCOGT currently operates the two 2 meter Faulkes Telescopes (FTN & FTS), one at Haleakala, Maui, Hawai'i, and the other at the Mt. Stromlo Siding Spring Observatory at Siding Spring, Australia. Within a few years LCOGT will have longitudinally spaced rings of telescopes capable of robotic around-the-clock observations.

LCOGT is seeking one or two postdoctoral scientists to join our new team in preparing this network to do automated continuous observing from multiple telescopes. We seek applicants with observing experience in the optical and/or near-infrared, and ideally with experience in writing automated data pipelines. Hands-on familiarity with autonomous robotic telescope systems is desirable, though other instrument and or software experience will be considered.

We seek to capitalize on the network's special capability to do time-dependent astronomy in the 24+ hour time domain. We desire applicants with experience and interests that equip them to build up research programs emphasizing the transient-oriented and target-of-opportunity astronomy for which a global network is best suited.

A Ph.D. in astronomy, a related discipline, or equivalent experience is required.

Interested candidates should send a CV, cover letter, list of publications, and a short research statement to the address listed above. The applicant should also arrange for three letters of reference to be directly sent to the same address with the name of the applicant in the subject line of the email. All materials should be received by June 15. Las Cumbres Observatory, Inc. is an equal opportunity employer.

No. 22581

Research Fellow in Protostellar Accretion

UNIVERSITY OF ST ANDREWS

College Gate

North St

St Andrews, Fife KY169AJ

UK

Tel: +44 1334 462571

FAX: +44 1334 462570

URL1: <http://star-www.st-and.ac.uk/astronomy/>

(St. Andrews Astronomy Group)

URL2: <http://www.supa.ac.uk>

(Scottish Universities Physics Alliance)

URL3: <http://www.st-andrews.ac.uk/hr/recruitment/vacancies>

(St. Andrews Human Resources)

Email Submission Address: Jobline@st-andrews.ac.uk

Email Inquiries: Jobline@st-andrews.ac.uk

Attention: Mrs Margaret Lindsay (SK158/06), Human Resources

We have a post available for research into accretion processes in T Tauri stars. The successful candidate will use recently-acquired Zeeman-Doppler maps of T Tauri magnetic fields to model star-disk interactions and accretion flows. The post is funded as part of a PPARC rolling grant and is initially for two years although it may be extended for up to a further two years depending on performance and continued funding.

The successful candidate must have a PhD, familiarity with current issues in the relevant research area, and ability to pursue independent research as evidenced by a record of publications.

Please quote ref: SK158/06 Salary - £20,004 - £23,182 pa

Closing date: 1 June 2006

Informal enquiries to Dr Moira Jardine, mmj@st-and.ac.uk, +44 (0)1334-463146, School of Physics and Astronomy

Application forms and further particulars are available from Human Resources, University of St Andrews, College Gate, North Street, St Andrews, Fife KY16 9AJ, (tel: 01334 462571, by fax 01334 462570 or by e-mail Jobline@st-andrews.ac.uk. The advertisement and further particulars can be viewed at <http://www.st-andrews.ac.uk/hr/recruitment/vacancies> . Applications to Human Resources should include the application form, cover letter, curriculum vitae, publications list, statement of research and three letters of reference.

The University is committed to equality of opportunity.

No. 22583

Senior Astronomer - Director of the La Silla Paranal Observatory

EUROPEAN ORGANISATION FOR ASTRONOMICAL RESEARCH IN THE SOUTHERN HEMISPHERE (ESO)

Karl-Schwarzschild-Str. 2

Personnel Department

Garching near Munich, Bavaria 85748

Germany

Tel: +49-89-3200-6589

FAX: +49-89-3200-6497

URL1: <http://www.eso.org>

URL2: <http://vacancy@eso.org>

Email Submission Address: rblock@eso.org

Email Inquiries: rblock@eso.org

Attention: Roland Block, Mr.

ESO operates the La Silla Paranal Observatory in Chile, and is the focal point for Europe's participation in the ALMA consortium.

ESO is opening the following management position:

Senior Astronomer - Director of the La Silla Paranal Observatory

The Director responsible for the Observatories on La Silla, Paranal and APEX will lead a multi-disciplinary team and act as a link between User Community, the Director General and the Observatories. She/he will be responsible for the

* continuation, creation and implementation of scientific/technical policies for the operation of the Observatories * management of the Observatories and their staff members through the definition and implementation of goals and objectives * Observatories' budget * representation of all Observatories in the science community, public and public relations (media support, exhibitions, presentations etc.) in close interaction with ESO's Representative in Chile and the Public Affairs Department.

The Director of the Observatories reports directly to the Director General and as a member of the ESO Management contributes to the development of the overall policy, strategic planning and maintains professional contacts at highest level outside ESO. As a Senior Astronomer she/he will be a member of the ESO Science Faculty and is expected to actively conduct astronomical research. She/he should foster the participation and integration of the Observatory's scientists in the ESO Faculty and the Office for Science in Santiago. Details/application form are available at <http://www.eso.org>.

Applications (in English) shall be sent to:

ESO Personnel Department, Karl-Schwarzschild-Straße 2, D - 85748 Garching near Munich, or e-mail: vacancy@eso.org.

No. 22584

Associate Director

EUROPEAN ORGANISATION FOR ASTRONOMICAL RESEARCH IN THE SOUTHERN HEMISPHERE (ESO)

Karl-Schwarzschild-Str. 2

Personnel Department

Garching near Munich, Bavaria 85748

Germany

Tel: +49-89-3200-6589

FAX: +49-89-3200-6497

URL1: <http://www.eso.org>

URL2: <http://vacancy@eso.org>

Email Submission Address: rblock@eso.org

Email Inquiries: rblock@eso.org

Attention: Roland Block, Mr.

ESO operates the La Silla Paranal Observatory in Chile, and is the focal point for Europe's participation in the ALMA consortium.

ESO is opening the following management position:

Associate Director

The primary purpose of this position is to support and assist the Director General in the discharge of his/her duties. The Associate Director reports directly to the Director General and is required to work

closely with Division Heads and other senior staff in the Organisation. As a member of the ESO Management the Associate Director contributes directly to the development of the overall policy, the strategic planning, and maintains professional contacts at highest level outside the Organisation. The Associate Director shall carry out such tasks as requested or delegated by the Director General. Such tasks shall include, but not be limited to, responsibility for:

* providing the Director General with briefing material and appropriate analysis on any matter which could have implications for the operation of ESO * the management of the Council secretariat * the management of the ALMA Board and European ALMA Board business, and specifically acting as ALMA Board Secretary when the Chair is nominated by ESO.

An appropriate professional qualification as well as substantial management and leadership experience within a scientific organisation, preferably international, are required. Excellent communication skills and a very good knowledge of English are essential.

Further details/application form are available at <http://www.eso.org> .

Applications (in English) should be sent to: ESO Personnel Department, Karl-Schwarzschild-StraÙe 2, D - 85748 Garching near Munich, or e-mail: vacancy@eso.org.

No. 22587

Assistant Professor of Space Science

MOREHEAD STATE UNIVERSITY

HM 101

Morehead, KY 40351

USA

Tel: 606.783.2097

FAX: 606.783.5028

Email Submission Address: humanresources@moreheadstate.edu

Email Inquiries: humanresources@moreheadstate.edu

Attention: Office of Human Resources, Space Sci #1305

Radio Astronomer/Assistant Professor of Space Science

The Morehead State University Space Science Center is seeking a Ph.D. Astronomer with expertise in radio astronomy for a tenure-track Assistant Professor position. MSU offers undergraduate degree programs in astrophysics and space science. The Center has developed a 21-Meter radio telescope that is used to provide satellite telemetry and tracking services for satellite missions and for research in radio astronomy (microvariability in AGNs, galactic structure, rapid response to transient phenomena, and large scale HI mapping projects). The 21 M operates receiver systems in L (1.4-1.7 GHz), K, and Ka bands and a gas spectrometer for spectral line work. A major thrust of our research is the inclusion of undergraduates. Construction of a \$12.4 M Space Science Center building with state of the art teaching and research facilities is underway. Responsibilities: teach courses astronomy and astrophysics, engage in research and publication utilizing the 21 M radio telescope, and provide some educational outreach programs utilizing our Star Theater (under development). Qualifications: Ph. D. in astronomy or astrophysics. History of publication in academic journals. Review of applications will begin May 5, 2006, and will continue until position is filled. This position offers a competitive salary and a \$75,000 research start up fund supported by the Kentucky EPSCoR

program. Please address inquiries to: Dr. Benjamin Malphrus, Director of Space Science, 200 A Chandler Place, Morehead State University, Morehead, KY 40351, b.malphrus@moreheadstate.edu To ensure consideration, submit c.v., reprints of papers published in academic journals, three letters of reference, transcripts, proposal for pursuing research using the 21 M radio telescope including the role of undergraduate researchers to: Office of Human Resources, Attn: Space Sci. #1305, MSU, HM 101, Morehead, KY 40351 or apply on-line by visiting <http://www.moreheadstate.edu/hr/index.aspx?id=6045> and attaching the required materials.. EO/AA employer.

No. 22591**Instrumentation Specialist****ASTRONOMICAL CONSULTANTS & EQUIPMENT, INC****2901 W. Sahuaro Divide****Tucson, AZ 85742****USA****Tel: 520 219 8722****URL1: <http://www.astronomical.com>****(Corporate web site)****Email Submission Address: careers@astronomical.com****Email Inquiries: careers@astronomical.com*****Attention: Dr. Peter Mack, Preseident***

Astronomical Consultants & Equipment, Inc., a leading manufacturer of custom telescopes and instrumentation for the professional astronomical community, has an immediate Tucson-based opening for an instrumentation specialist. The successful candidate will either possess or have the desire to learn several interdisciplinary skills including design modelling (SolidWorks), electronic integration of control systems and assembly of complex opto-mechanical equipment. You will work closely with the design team to integrate new telescopes and instrumentation. A strong background in opto-mechanical instrument assemblies is required. The position will suit a hands-on highly motivated person who can function both independently and integrate into a small team environment. The ability to work at elevations above 9000 ft is required. Travel to remote observatories is required. The position will be tailored to suit your current qualifications and work experience. Applicants with a Bachelors degree or higher are encouraged to apply. We offer a very competitive salary and comprehensive benefits package. Must be US Citizen or Permanent Residents.

No. 22592**XMM-Newton Postdoctoral position in X-ray Astronomy****CENTRE D'ETUDE SPATIALE DES RAYONNEMENTS****9 avenue du Colonel Roche****Toulouse, Midi-Pyrenees 31028****France****Tel: +33561557570****FAX: +33561556701****URL1: <http://www.cesr.fr>****(Laboratory web page)****Email Submission Address: Natalie.WEbb@cesr.fr****Email Inquiries: Natalie.Webb@cesr.fr*****Attention: Natalie Webb, Dr.***

The 'High Energy' Astrophysics group at the CESR invites applications for a postdoctoral position to participate in the CESR XMM-Newton Survey Science Centre (SSC) activities. The CESR is one of 10 European institutes that constitute the XMM-Newton SSC, responsible for producing the XMM-Newton Science Analysis Software (SAS), performing pipeline processing and the identification of serendipitously detected X-ray sources, along with the production of a catalogue of XMM-Newton detected sources. The group is also strongly involved in other large projects such as INTEGRAL.

As well as participating with the SSC activities, the successful applicant will be expected collaborate with other members of the group working on stellar compact objects, using not only XMM-Newton data, but also data from other observatories such as INTEGRAL, RXTE, Chandra etc. The groups particular interests are X-ray binaries, (millisecond) pulsars and globular clusters.

The candidate is expected to have: experience in high energy astrophysics; some programming skills and experience in compact objects. It would also be advantageous to have some skills in interpreting data from other wavelengths. The post is open to candidates of any nationality who hold a PhD. The post is initially for one year and renewable for a further two years. Candidates should submit a curriculum vitae, a summary of research interests, a list of publications and two letters of recommendation to Natalie Webb at the above (email) address before 15th May 2006.

No. 22595

Research Fellow

UNIVERSITY OF ST ANDREWS

Human Resources

College Gate, North Street

St Andrews, Fife KY16 9AJ

Scotland, UK

Tel: +44-1334-462571

FAX: +44-1334-462570

URL1: <http://www.st-and.ac.uk/hr/recruitment/vacancies>

(ME162/06 Further Particulars)

URL2: <http://star-www.st-and.ac.uk/astronomy/>

(St.Andrews Astronomy Group)

URL3: <http://star-www.st-and.ac.uk/~kdh1/>

(Keith Horne)

Email Submission Address: jobline@st-and.ac.uk

Email Inquiries: kdh1@st-and.ac.uk

Attention: Marion Lawson, HR Assistant

This post is funded by a PPARC rolling grant to conduct research in the area of microlens planet searches. You will be expected to make significant contributions to ongoing efforts using the PLANET/RoboNet telescope network for optimised follow-up observations of Galactic Bulge microlensing events to discover and characterise small cool planets.

You must have a PhD, experience with astronomical data analysis techniques, familiarity with current issues in the exoplanet field, and the ability to pursue independent research as evidenced by a record of publications.

The initial appointment for two years may be extended for one or two additional years depending on performance and continuation of funding. Annual salary on the RA1A scale is GBP 20,044 to 30,002.

Application forms, an outline of research interests and capabilities relevant to the post, curriculum vitae including a list of publications, and letters of support from 3 referees must reach us by the closing date.

Please quote ref: ME162/06 Closing Date: 3 May 2006

Application forms and further particulars are available from Human Resources, University of St Andrews, College Gate, North Street, St Andrews, Fife KY16 9AJ, (tel: +44-1334-462571, fax: +44-1334-462570, e-mail: Jobline@st-andrews.ac.uk).

The University is committed to equality of opportunity.

American Astronomical Society, 2000 Florida Ave., NW, Suite 400, Washington, DC 20009, USA
202-328-2010 * FAX 202-234-2560 * www.aas.org * aas@aas.org