August 2003

JOB REGISTER

American Astronomical Society

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

Editorial

Payment Changes

The *Job Register* no longer accepts purchase orders for payment of advertisement fees. This policy change is necessary to facilitate a change from the current Job Register submission and billing system to an online database-driven system. This change will make the submission, billing, proofing and publishing processes simpler from both an administrative perspective and for our advertisers. Should your organization have any special problems with this policy change, please contact Dr. Kevin B. Marvel, Deputy Executive Officer (marvel@aas.org). Invoicing will still be available to those institutions where credit card use is not allowed. Beginning with the May 1 Job Register, each job posting will cost $114 and credit card payments will carry a discount of $5.00. Your advertisement will not be published until payment is received by the AAS.

Job Register Change

The AAS Job Register is undergoing a significant upgrade, which we hope will be almost transparent to job seekers and advertisers, but will make the publication of the job register much easier for the AAS.

In the past, job ads were submitted online along with payment information, which was then processed AAS staff. The new Job Register, which will become active in its initial form as of May 1, 2003, will be based on a Database system. Job ads will be submitted and stored in this database, which will greatly ease the editorial process and make ads more accessible to advertisers. Payments, either by Credit Card or Invoice, will be handled electronically. The Job Register itself will be published dynamically using Cold Fusion tools, greatly reducing the staff effort required to bring the Register to our readership.

Although this transition will appear almost seamless (we hope!), a great deal of staff effort has gone into the design, development and implementation of the new system. Happily, much of the design effort can be carried over to other areas of AAS services, such as the Small Research Grant and International Travel Grant programs.

We hope that this upgrade of our already extant publishing system will be appreciated by our readership, although the success of the transition will be judged on how little the change will be felt.

Kevin B. Marvel
Deputy Executive Officer

AAS Career Services Listing

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Publication Policy for the AAS *Job Register*

ubmobtg(i).4(s48(t).4(e21(r)]TJ /F1 1 Tf-31049 -238 TD-0.0076 Tc[(S)15.31(ubmit)-2627(and)-24079.5(p))-64
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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 q2(f)-248(t)-8(he)]TJ/F31 1 Tf-9.0 0 TD-0.002 Tc[(obt)-242RMg(i).4(s48(t).4(e21(r)]TJ/F1
t-1681hreubse17.8(que17.8ent)-230.2(mont-1681h'sf)-247.2(i)9.8(s)12.8snue17.8.n

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 insitituions 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 maximum announcement length is 250 words. We reserve the right to edit announcements that exceed this maximum.

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).

Previously published jobs may be re-published in the current issue with an application closing date earlier than the last day of the current month.

The decision to run an ad without 30 days response time is left to the originators.

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@aas.org. If electronic mail is not available, job announcements, with payment are also accepted by US mail, and by FAX at 202-234-2560.

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@aas.org.

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Jobs from Previous Months

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

No. 20040
C3 Staff Astronomer (tenure-track/tenured)
MAX-PLANCK INSTITUTE FOR ASTRONOMY
Koenigstuhl 17
Germany
Tel: +49-6221-528-210
FAX: +49-6221-528-339
Email Inquiries: rix@mpia.de

Attention: Personnel Department, (reference no. 05/03)

The Max-Planck Institute for Astronomy (MPIA) seeks outstanding candidates for a C3 staff position to build and lead an observational research group exploring the structure, nuclei stellar content, ISM, dynamics or evolution of galaxies. The MPIA carries out a broad range of astrophysical research through observations, theory, and instrumentation developments. The MPIA has two scientific departments, "Star and Planet Formation", and "Galaxies and Cosmology". In the area of galaxies and cosmology, the research currently encompasses stellar populations, Galactic structure, galaxy structure and dynamics, active galactic nuclei, galaxy formation and evolution, and cosmological surveys. These activities are supported by high-performance computing facilities and privileged access to Calar Alto, VLT, and to the future LBT Observatory. The MPIA is an active participant in the Sloan Digital Sky Survey (SDSS) and is actively involved in a number of future space missions, such as Herschel and JWST.

The successful applicant is expected to lead a group of postdocs and graduate students, carrying out independent research programmes in the broadly defined field of galaxies, including the Milky Way and its immediate environs. Interest in exploiting MPIA's SDSS access will be an asset. Collaboration with

other scientists at the MPIA is strongly encouraged. Resources will be available to the successful applicant to maintain a strong research group and a lively visitor program, and to organize workshops. The present C3 position will likely be filled as tenure-track, with a promotion to tenure foreseen after 3-5 years. An offer with tenure will be considered for exceptional senior candidates. Applicants should provide a CV, a publication list, a brief description of the current work and an outline of planned research at the MPIA. This should be sent to the personnel department at the address above with reference no. 05/03. For general information, see http://www.mpia-hd.mpg.de/Public/index_en.html.

The deadline is 30 May 2003, but applications will be accepted until the post is filled. Three separate reference letters should be sent directly to Prof. Hans-Walter Rix at the address above.

Handicapped applicants will be given preference in case of equal qualifications. The Max Planck Society as the employer aims at increasing the number of female scientists in fields where underrepresented. Therefore, women are particularly encouraged to apply.

No. 20103
Postdoctoral Position in Gamma-ray Detector Development and Experimental
CALIFORNIA INSTITUTE OF TECHNOLOGY
1200 E. California Blvd.
M/S 220-47
Pasadena, California 91125
USA
Tel: 626 395-6809
FAX: 626 449-8676
Email Submission Address: stacia@srl.caltech.edu

Attention: Fiona Harrison-C/O Stacia Rutherford, Physics Professor

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The X-ray/gamma-ray astrophysics group at Caltech's Space Radiation Laboratory invites applications for a postdoctoral position, available immediately, to develop imaging solid state X-ray and gamma-ray detectors. Applications for these sensors include balloon and satellite astrophysics missions, and radiation monitoring for homeland security. The applicant must have a Ph.D. in physics, applied physics, or related field. Experience with low-noise electronics, solid state sensors, laboratory data acquisition systems, and computer programming is desirable. Applicants should submit CV, publication list, and three letters of reference to Prof. Fiona Harrison, c/o Stacia Rutherford.....

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

No. 20107
Director of the Multiple Mirror Telescope Observatory (MMTO
SMITHSONIAN ASTROPHYSICAL OBSERVATORY
60 Garden Street, MS-20
Cambridge, MA 02138
USA
Tel: 617-495-7375

Attention: MMTO Director Search Committee, Dr. John P. Huchra,, Search Committe Chair

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Applications are solicited for the position of Director of the Multiple Mirror Telescope Observatory (MMTO). The MMT is a 6.5-meter telescope and is located on the summit of Mt. Hopkins, south of Tucson Arizona, at the F. L. Whipple Observatory.

The Director is responsible for the operation and development of the MMT, including supervision of the MTO staff, and the preparation and oversight of budgets and long and short term plans for the MMTO. The Director receives a share of telescope time (currently 6%) for her or his discretionary use and is responsible for assigning public time and time used for maintenance, engineering and development. He/she is encouraged to pursue a personal research program utilizing the MMT. The Director of the MMTO reports to the Directors of the Steward Observatory and the Smithsonian Astrophysical Observatory. The position is held jointly at the University of Arizona and the Smithsonian Astrophysical Observatory.

To view the full vacancies, please visit the Smithsonian Astrophysical Observatory and the University of Arizona websites at: SAO: http://cfa-www.harvard.edu/sao-home.html UofA: http://www.as.arizona.edu/steward/jobs/ .

Applicants should have a minimum of five years experience in at least two of the following three areas: research in astronomy, development of modern astrophysical instrumentation as demonstrated by a Ph.D., and administrative experience in an astronomical institution. The position is located in the area, where the MMTO administrative offices are located, and requires frequent trips to the observatory itself.

We are seeking candidates who have exceptional vision, leadership, and management skills.

Applicant's resumes, statements of interest, and the names of three references should be submitted to: MMTO Director Search Committee, Dr. John P. Huchra, Chair, 60 Garden Street, MS20, Cambridge, MA 02138-1516. Applications will be accepted through September 30, 2003.

The University of Arizona and the Smithsonian Astrophysical Observatory are Equal Opportunity/Affirmative Action Title IX, Section 504 Employers (EEO/AA-M/W/D/V)

No. 20117
Scientific Programmer
UNIVERSITY OF MARYLAND
Department of Astronomy
Space Sciences Building, Stadium Drive
College Park, Maryland 20742-2421
USA
Tel: 626-304-0240
FAX: 626-796-8806
URL1: http://www.noao.edu
(NOAO Home Page)
URL2: http://www.astro.umd.edu
(UMd Astronomy Department Home Page)
Email Submission Address: veilleux@astro.umd.edu
Email Inquiries: veilleux@astro.umd.edu

Attention: Dr. Sylvain Veilleux, Chair of Search Committee

The Department of Astronomy at the University of Maryland has an immediate opening for a Scientific Programmer. This position is part of a newly established collaboration between the University of Maryland and National Optical Astronomy Observatory (NOAO) to develop software to reduce and archive optical and infrared data from a variety of existing and next generation imaging and spectroscopic instruments on the Mayall Telescope (e.g., MOSAIC, FLAMINGO, and NEWFIRM). This position will be based at the University of Maryland College Park Campus, but will entail traveling to Tucson 3-4 times per year.

This position requires experience in the definition, development, test, and support of data calibration and analysis software, plus a good working knowledge of modern astronomical detectors, instrumention, and data standards. Familiarity with large standard reduction systems and analysis software, such as IRAF, is essential. A bachelor's degree in Astronomy, Physics, or a related scientific or engineering field is required; advanced degree preferred. Fluent knowledge of at least one high level language such as FORTRAN, C, C++, or Java, and familiarity with scripting languages (e.g., Perl, Python, Tcl/Tk, Unix scripts) in the Unix environment is essential.

Applications received by August 23 will receive full consideration. The application should include a CV, a description of the applicant's software skills and recent software projects, and the names and addresses of three referees. Materials may be submitted either electronically or in paper form to Dr. Sylvain Veilleux at the above address. The University of Maryland is EOE/AAE

No. 20104
Scientific Programmer
AURA/NOAO
PO Box 26732
Tucson, AZ 85726
USA
Tel:
FAX: 520-318-8560
URL1: http://www.noao.edu
Email Submission Address: hrnoao@noao.edu
Email Inquiries: hrnoao@noao.edu

Attention: Human Resources Manager

Tucson, Arizona, USA or La Serena, Chile

The Data Products Program (DPP) within the National Optical Astronomy Observatory (NOAO) has an immediate opening for a knowledgeable and experienced Scientific Programmer. The Data Products Program is responsible for developing and supporting data calibration, analysis, and archiving software for optical and infrared (O/IR) data from a variety of existing and next generation imaging and spectroscopic instruments. Areas of expertise needed for this program include the management of very large datasets and high data rates, pipeline processing, astronomical catalog creation, data archiving and mining, and state-of-the-art data reduction and analysis algorithms in precision photometry, astrometry, spectroscopy, and time-domain astronomy. The successful candidate will use their extensive knowledge of astronomy and of astronomical instrumentation to create solutions to complex data analysis problems. The Scientific Programmer will work with other members of DPP and with the NOAO scientific and engineering staff in all aspects of software development: defining requirements, developing algorithms, writing applications, preparing documentation, and supporting software and users. This position requires

experience in the definition, development, test, and support of data calibration and analysis software, plus a good working knowledge of modern astronomical detectors, instrumentation, and data standards. Familiarity with large standard reduction systems and analysis software, such as IRAF, is essential. A bachelor's degree in Astronomy, Physics, or a related scientific or engineering field is required; advanced degree preferred. Significant education or experience in software engineering is also required. The candidate must have the ability to communicate effectively and must possess excellent problem solving skills. Fluent knowledge of at least one high level language such as FORTRAN, C, C++, or Java, and familiarity with scripting languages (e.g., Perl, Python, Tcl/Tk, Unix scripts) in the Unix environment is essential. Depending upon qualifications, up to 20% of the successful applicant's time may be available to pursue scientific research if the applicant holds a Ph.D. in Astronomy or a closely related field. This position may be filled either at NOAO headquarters in Tucson, AZ, or at NOAO/South in La Serena, Chile. Please refer to job #609 when submitting application materials.

Hiring preference in Tucson is given to qualified Native Americans living on or near the Tohono O'Odham reservation. NOAO is an affirmative action/equal opportunity employer

No. 20119
Postdoctoral Research Position
SPACE TELESCOPE SCIENCE INSTITUTE
3700 San Martin Drive
Baltimore, MD 21218
US
Tel: 410-338-4349
Email Inquiries: jogee@stsci.edu

Attention: Human Resources

Applications are invited for a postdoctoral research position at the Space Telescope Science Institute (STScI; http://www.stsci.edu/) to work in collaboration with Dr.Shardha Jogee on studies of the structure, dynamics, central activity, and stellar populations of galaxies. These studies will be based on data of nearby galaxies and panchromatic HST data from the two largest HST surveys to date: the Great Observatories Origins Deep Survey (GOODS; http://www.stsci.edu/science/goods/) and Galaxy Evolution from Morphology and SEDS (GEMS; http://www.mpia.de/homes /barden/gems/gems.htm) surveys.

The successful applicant will have expertise to work on one or more of the following: (1) Reduction and analysis of space-based and some related ground-based imaging and spectroscopic optical/IR/mm data; (2) Studies of galactic dynamics and stellar populations; (3) Comparison of observations with numerical modeling, in collaboration with Dr. Isaac Shlosman (U. of Kentucky).

Applicants must hold a Ph.D. degree and should send to the above address: a cover letter, a curriculum vitae, a publication list, a concise (3 pages max.) description of research and technical experience, and three letters of reference. Applications received by September 1, 2003 will receive full consideration and later applications considered until the position is filled. The position is immediately available, but starting dates are flexible. The initial appointment is for one year and renewable up to three years contingent upon performance and funding.

STScI, located on Johns Hopkins University Campus in Baltimore, Maryland, offers an excellent benefit package, competitive salaries, and a stimulating environment. The minimum salary is $41,900. Women and minorities are encouraged to apply.

No. 20114
Associate Professorship in Observational Astrophysics
UNIVERSITY OF COPENHAGEN
Øster Voldgade 3
Copenhagen K., Denmark 1350
Denmark
Tel:
URL1: http://www.nbifafg.ku.dk
Email Inquiries: director@nbi.dk

Attention: The Rector of the University of Copenhagen

As part of its program for faculty renewal, the Niels Bohr Institute for Astronomy, Physics and Geophysics (NBIfAFG) announces the availability of an Associate Professorship in Observational Astrophysics. The position will be open from January 1, 2004. The NBIfAFG constitutes the physics department of the University of Copenhagen with a faculty of 65. Details of the research activities of the institute may be found on the home page www.nbifafg.ku.dk

Applicants should have a strong background and expertise in observational astrophysics, solidly founded in one or more contemporary fields, and a research profile driven by the desire to understand astrophysical phenomena and origins. Skills for interpretation, e.g. in collaboration with theorists, are vital. Applicants should also demonstrate scientific breadth and openness to research in new directions. The successful candidate is expected to develop a broad and internationally competitive research program based on ESO, ESA, and/or NASA facilities. Strong interest in teaching, in supervision, and in contributing to the Institute's public visibility is important.

Applicants will be considered for appointment without regard to race, sex, national origin, or religion.

The deadline for applications is September 15, 2003, at noon. Application via e-mail will not be accepted. Notice that this announcement alone cannot form the basis for an application. The full legal announcement must be followed and can be found on the institute homepage, see above, or obtained from the Personnel Office (Phone: +45 3532 2645).

No. 20123
Postdoctoral Position in Numerical Hydrodynamics of Wind-Blown Nebulae around Massive Stars/Supernova Remnants
UNIVERSITY OF CHICAGO
5640 S. Ellis Ave, RI 451
Chicago, IL 60637
USA
Tel: 773-834-3724
FAX: 773-834-3230
URL1: http://flash.uchicago.edu
(FLASH Center Homepage)
URL2: http://flash.uchicago.edu/~vikram
(Vikram Dwarkadas Homepage)
Email Submission Address: vikram@flash.uchicago.edu
Email Inquiries: vikram@flash.uchicago.edu

Attention: Vikram Dwarkadas, Dr.

Pending budget approval, we invite applications for a postdoctoral research position, based at the ASCI Flash Center in the department of Astronomy and Astrophysics, Univ of Chicago. The applicant will work with Dr. Vikram Dwarkadas and collaborators on numerical studies related to the formation and evolution of wind-blown nebulae around massive stars, and/or the evolution of supernovae within these nebulae. Expertise in computational astrophysical fluid dynamics is desirable. Experience in one or more of the following areas would be preferred: theory of wind-blown bubbles, winds from massive stars, or supernova-circumstellar interaction. A PhD in astrophysics is required.

The ASCI Flash Center's (http://flash.uchicago.edu) purpose is to develop and apply a general-purpose multi-physics adaptive mesh refinement code, FLASH, which would be available to the successful applicant.

The position is initially for a year, with the possibility of renewal for up to two more years, depending on performance and the availability of funding.

To apply, please submit to the address listed above a curriculum vitae, a list of publications, a summary of research experience, a brief description of research interests, and the names and contact information (including email) for three references. Applications may be submitted electronically, only in postscript or PDF format, but please send hardcopy also. For further information please feel free to contact vikram@flash.uchicago.edu. Applications received prior to Sep 01 2003 will receive first consideration. Women and minorities are strongly encouraged to apply. AAE/EOE.

No. 20109
Astrophysical Journal Scientific Editor
THE ASTROPHYSICAL JOURNAL
Steward Observatory/UA
933 North Cherry Avenue
Tucson, AZ 85721
USA
Tel: 520-621-5145
FAX: 520-621-5153
Email Submission Address: apj@as.arizona.edu

Attention: Robert C. Kennicutt, Jr., Editor-in-Chief

ASTROPHYSICAL JOURNAL SCIENTIFIC EDITOR

The American Astronomical Society is soliciting applications for a Scientific Editor of The Astrophysical Journal. The ApJ Scientific Editors play a vital role in maintaining the high scientific standards of the Journal. Each editor oversees the peer review of 150-200 papers per year, and together with the other editors advises the Editor-in-Chief on issues of general editorial policy. Appointments are for terms of three years, subject to approval by the AAS Publications Board and the AAS Council, with an option for a second term at the discretion of the Editor-in-Chief. The term for this appointment would begin in January 2004.

For this appointment we are seeking an editor who can oversee the review of manuscripts in theoretical stellar astrophysics and related fields, including some of the following subjects: stellar atmospheres, structure, and evolution, stellar populations, nuclear astrophysics and chemical evolution, astroseismology and helioseismology; extrasolar planets, and star and planet formation theory. The

editor can also expect to handle observational papers in these areas from time to time. Although we are not actively recruiting candidates in other subfields at this time, expressions of interest from scientists in all fields of astronomy and astrophysics are welcomed. Candidates should have a strong record of published scientific research, and be prepared to commit the time (up to 20% FTE) that is required to carry out the duties of a Scientific Editor. Although these are largely volunteer positions, funding is provided for office equipment, secretarial support, travel to editorial meetings, and a modest stipend or research grant. Scientific Editors are required to be members of the AAS during their terms of appointment, but residence at a U.S. institution is not required.

Applicants should submit a curriculum vitae, a list of publications, and a brief (1-2 page) cover letter that summarizes the candidate's qualifications and reasons for seeking an SE position. Applications (either in paper or electronic form) should be sent to:

Robert C. Kennicutt, Jr. Editor-in-Chief The Astrophysical Journal Steward Observatory University of Arizona, Tucson, AZ 85721 FAX: 520-621-5153 Tel: 520-621-5145 Email: apj@as.arizona.edu

Successful candidates will also be asked to provide a brief letter of endorsement from their department head or director, indicating their agreement to the necessary time commitment upon appointment. Applications received by September 1, 2003 will receive full consideration. Inquiries about the position are welcome and may be directed to the Editor-in-Chief at the addresses given above.

No. 20110
Postdoctoral Appointment -- Caltech -- COSMOS project
CALIFORNIA INSTITUTE OF TECHNOLOGY
1200 East California Blve.
Astronomy Department, MS 105-24
Pasadena, CA 91125
United States
Tel: 626-395-4979
FAX: 626-568-9352
Email Submission Address: nsz@astro.caltech.edu
Email Inquiries: nsz@astro.caltech.edu

Attention: Nick Scoville, Professor

Postdoctoral Appointment -- Caltech -- COSMOS project

The COSMOS project is an approved Treasury program to image 2 square degrees using ACS on the Hubble Space Telescope. The project also involves extensive ancillary datasets from other space missions and ground-based telescopes. The project investigates the evolution of galaxies, dark matter and AGN -- sampling all environments of large-scale structure between redshift 0.5 and 3 (see www.astro.caltech.edu/cosmos/). This project is an international collaboration involving institutes in the US and in Europe. At Caltech, we expect to have 2 postdoctoral scholars working on 1) galaxy evolution and 2) weak gravitational lensing signals with this unique and comprehensive dataset. These postdoctoral fellows will be fully involved in the science investigations of the COSMOS survey. Caltech co-Is involved in this project are : N. Scoville (PI), A. Benson, A.Blain, R. Ellis, J-P Kneib, J. Rhodes, P. Shopbell, K. Sheth and D. Schminovich.

Qualified applicants must have a PhD or equivalent degree by the date of appointment. Funding is

initially for one year but may be renewed depending on progress and availability of further funds. Applicants should send a cover letter to the address below, and attach a curriculum vitae, a publication list and a description of research interests relevant to the COSMOS project. They should also arrange for three letters of recommendation to be sent directly to the same address. Completed applications received by August 1st, 2003 are assured full consideration.

No. 20113
Planetary Science
AUSTRALIAN NATIONAL UNIVERSITY
Chancelry Building 10A
Canberra, ACT 0200
Australia
Tel:
URL1: http://www.mso.anu.edu.au
URL2: http://www.mso.anu.edu.au/PSI
Email Submission Address: jobs@anu.edu.au
Email Inquiries: director.rsaa@anu.edu.au

Attention: Staffing Recruitment Officer

The Planetary Sciences Institute of the Australian National University seeks to understand the formation, evolution, diversity and fate of planetary systems in the Universe and their relationship to our own Solar System. This is a newly-funded undertaking between the Research Schools of Astronomy and Astrophysics and Earth Sciences to develop new directions for planetary research that will shape our future understanding of the origin and evolution of planetary systems including: remote and direct analysis of extraterrestrial materials, extrasolar planet search and characterization programs, and theoretical modelling of planetary system processes. Of immediate interest is Australian participation in exo-planet discovery and extraterrestrial sample return missions planned for the coming decade.

Position Senior Fellow / Professor – Exo-planetary Scientist. The appointee will develop and lead a research program within a wide scope of planet discovery and analysis. Experience in solar system science will be an advantage. Together with the Directors of RSAA and RSES, the appointee will form the executive leadership of PSI responsible for continued growth and development of the institute. Reference: RSAA1775. Selection documentation MUST be obtained prior to application. Please request information from Executive Officer, Academic and Student Services, RSAA, email: academic.services.rsaa@anu.edu.au. Closing date is 30 September 2003.

No. 20115
Professorship in Theoretical Astrophysics
UNIVERSITY OF COPENHAGEN
Øster Voldgade 3
Copenhagen K., Denmark 2100
Denmark
Tel:
URL1: http://www.nbifafg.ku.dk
Email Inquiries: director@nbi.dk

Attention: The Rector of the University of Copenhagen

As part of its program for faculty renewal, the Niels Bohr Institute for Astronomy, Physics and Geophysics (NBIfAFG) announces the availability of a professorship in Theoretical Astrophysics. The position will be open from January 1, 2004. The NBIfAFG constitutes the physics department of the University of Copenhagen with a faculty of 65. Details of the research activities of the institute may be found on the home page www.nbifafg.ku.dk

Applicants must be highly recognized international authorities in one or more fields of theoretical astrophysics. Research areas of particular interest are magneto-hydrodynamics (as related to the interstellar medium, stellar and planetary formation, stars including the sun, and accretion disks and jets) as well as galaxy formation and cosmology. The successful candidate's research profile should be characterized by the desire to understand astrophysical phenomena and their origins in the context of the best modern observational research. Applicants should further demonstrate scientific breadth and an openness for defining and leading new research directions. Scientific leadership is vital, including research management and encouragement of scientific development, and supervision of postdoctoral fellows and PhD and master's degree students in the field.

Applicants will be considered for appointment without regard to race, sex, national origin, or religion.

The deadline for applications is September 15, 2003, at noon. Application via e-mail will not be accepted. Notice that this announcement alone cannot form the basis for an application. The full legal announcement must be followed and can be found on the institute homepage, see above, or obtained from the Personnel Office (Phone: +45 3532 2645).

New Jobs This Month

No. 20129
Science Fellow in Infrared Spectroscopy
GEMINI OBSERVATORY
670 N. A'ohoku Place
Hilo, HI 96720
Tel:
Email Submission Address: Gemini-jobs@gemini.edu

Attention: Human Resources Department

The Gemini Observatory is recruiting for a Science Fellow in Infrared Spectroscopy to work in Chile. The Gemini Science Fellows are members of the science staff, and they participate actively in the main activities of the Observatory: • direct support executing scientific observations at the two Gemini telescopes; • scientific support of the commission of the telescope and instrumentation; and • strong personal research program and collaborative initiatives with the other members of the science staff or of the Gemini partner countries.

Requires a Ph.D. in astronomy, physics or related discipline. Substantial experience with optical/infrared observations, data analysis and/or instrumentation is desirable. We preferentially seek astronomers with experience or knowledge of infrared spectroscopy and imagining. The duration of the position will be for three years, with possible extension for two more years. Fellows will be based in La Serena, Chile, for the length of the position.

Gemini Observatory is committed to the scientific productivity of its research staff. Forty percent of a

Gemini Science Fellow's time will be available for astronomical research. The research should focus on areas in which Gemini will make a major impact.

All interested applicants should be thoroughly familiar with the Gemini website at www.gemini.edu . Applications will be assessed as they are received and the position shall remain open until filled. For further information contact Phil Puxley (Gemini South Associate Director), email: ppuxley@gemini.edu. To apply, send in English current resume with cover letter relating your experience, education and background to the needs of the position to GEMINI OBSERVATORY at the above address. Simultaneously, have three references familiar with your work/credentials/qualifications send a written reference on your behalf directly to the Human Resources Department. Gemini is an Equal Opportunity/Affirmative Action Employer, operated by the Association of Universities Research in Astronomy, Inc. under a cooperative agreement with the National Science Foundation.

No. 20130
Scientific Programmer/Analyst
NATIONAL ASTRONOMY & IONOSPHERE CENTER/ARECIBO OBSERVATORY
Cornell University
502 Space Sciences Bldg.
Ithaca, NY 14853-6801
USA
Tel: 607-255-3735
FAX: 607-255-8803
URL1: http://www.naic.edu
URL2: http://www.astro.cornell.edu/facilities/arecibo.shtml.
Email Submission Address: jtm14@cornell.edu
Email Inquiries: jtm14@cornell.edu

Attention: Director

The National Astronomy and Ionosphere Center (NAIC) is seeking a scientific programmer/analyst to work with the project team that is implementing a multi-beam mapping receiver system on the Arecibo 305 m diameter radio/radar telescope. ALFA, the Arecibo L-band Feed Array, is a 7-feed, 14-receiver, system under development at NAIC that will provide users of the Arecibo telescope with an unprecedented capability to conduct thorough surveys of HI and radio continuum emission, and to survey the entire sky visible to the Arecibo telescope for pulsars and transient cosmic sources of radio emission.

The ALFA software team has responsibility for instrument control, including setup and configuration of the backend data-processing instruments, data formatting and data flow, and implementation of a web-accessible data archive. In the ALFA operational plan, data processing steps involving calibration, spatial gridding, and analysis is a responsibility of the ALFA users to be carried out with oversight participation from NAIC. Owing to the wide scope of the ALFA software task, and the collaborative nature of the ALFA operational model, the candidate sought for this position is one with personal initiative, broad professional interests, and a desire to work in a team environment.

Qualifications for the position include a degree in astronomy, computer sciences or a related field. Preference will be given to applicants with an advanced degree. Knowledge of Linux and C or C++ is essential; experience with large database systems and handling large data sets is required. For suitably qualified and interested individuals, conduct of personal research with the facilities of the Arecibo Observatory is strongly encouraged. The ALFA project team, including this position, is based at the

Observatory in Puerto Rico. Travel to those institutions participating in ALFA will be necessary to maintain effective interfaces.

The successful candidate will be an employee of Cornell University and will be eligible for all applicable University/Observatory benefits. Salary and benefits are competitive, attractive, and include a relocation allowance. Salary will depend upon the candidate's qualifications and experience. Cornell University is an EOE/AAE.

A letter of application, resume, and names and contact information of three professional references should be sent tnn13.12 U(f)14.1(u)1.1(l)-22.7(A)ect(a)5.17(A)ofAL,3-0.-11313.1infn.1(u)1.1(lar)12.7(ddr2.9(3-ent

USA
Tel: 509-335-1698
FAX: 509-335-7816
URL1: http://134.121.46.58/Opportunities/current.htm
(WSU Department of Physics Opportunities)
Email Submission Address: lake@wsu.edu
Email Inquiries: lake@wsu.edu

Attention: George Lake, William Band Professor of Physics

Applications are invited for Postdoctoral Research Associate or Research Assistant Professor positions in computational modeling of large-scale structure, galaxy clusters and galaxy formation. We are also interested in candidates who will develop next generation visualization techniques for N-body simulations and those who want to apply N-body techniques to new fields. We are also recruiting a biological modeling group.

Former group members have advanced the state of the simulation art and made fundamental discoveries such as “galaxy harassment” and “the small scale dark matter crisis”. Their track record of securing faculty positions at major research universities is exceptional. The WSU shop will play a leading role in the Whole N-Chilada Consortium. There will be extensive interaction and exchange with the groups spawned from the original N-body shop. We will build a large cluster and an immersive environment at WSU. Our group enjoys “friendly access” at supercomputer centers, using over 100,000 CPU hrs/yr.

The starting date can be as early as September 2003, but positions will remain available thru September 2004. The appointment is for two years with a possible third year based on performance and funding. To apply, please submit a CV, a statement of research interests, and have three letters of reference sent. Applications will be accepted until all the positions are filled, but apply by September 1, 2003 to insure full consideration. AAE/EOE

No. 20132
Instructional Physics & Astronomy Laboratory Associate
HARVARD UNIVERSITY
1 Oxford St
Cambridge, MA 02138
USA
Tel: 617-495-9840
FAX: 617-496-7400
URL1: http://jobs.harvard.edu/jobs/summ_req?in_post_id=19187
(Harvard Job Posting)
Email Submission Address: depatton@fas.harvard.edu

Attention: Dawn Elliot Patton

In collaboration with physics and astronomy faculty, develop new experiments for introductory and intermediate physics and astronomy instructional laboratories. Provide daily technical support for instructional labs. Ideal applicant would be an experimental physicist with a masters degree and a strong interest or experience in astronomy (includes familiarity with telescopes and observation).

No. 20156

Postdoctoral research position in the Astromomy Department
CALIFORNIA INSTITUTE OF TECHNOLOGY/JET PROPULSION LABORATORY
Tel:
Email Inquiries: pkneissl@jpl.nasa.gov

Attention: Michael Shao, Interferometry Scientist

The California Institute of Technology (Caltech), Postdoctoral Scholars Program at the Jet Propulsion Laboratory (JPL) invites applicants to apply for a postdoctoral research position in the Astronomy Department.

The research will involve working on Space Interferometry Mission (SIM) key projects to search for planets around nearby stars by looking for astrometric wobbles. Candidate will work with the SIM Science team to understand and model instrument errors in SIM and develop observing strategies and data analysis procedures to enable 1 microarcsec astrometry. Other tasks, preparatory science phase, include the selection of SIM targets and ground based observations using the facilities at Palomar Observatory. The selected candidate will be guided by the JPL advisor to insure that the research work will result in publication in the open literature. Candidate should have a recent Ph.D. in astronomy or physics and a strong background in experimental research. Experience in precision instruments and observational astronomy is desirable.

The appointment is contingent upon evidence of completion of a Ph.D. The annual starting salary for a recent Ph.D. is US $48,500 and can vary somewhat according to the applicant's qualifications. Postdoctoral scholars positions are awarded for a 1-year period. Appointments may be renewed in 1-year increments for a maximum addition of 2 years. The appointments are expected to begin in the fall of 2003.

Please send a letter describing your research interests, a curriculum vitae, and a list of three references (with telephone numbers and postal and e-mail addresses) to Dr. Michael Shao, Jet Propulsion Laboratory, MS 301-487, 4800 Oak Grove Dr., Pasadena, CA 91109-8099 USA; Tel: +1-818-354-7834 or E-mail: Michael.Shao@jpl.nasa.gov Caltech and JPL are equal opportunity/affirmative action employers. Women, minorities, veterans, and disabled persons are encouraged to apply.

No. 20153
Assistant Professor
UNIVERSIDAD DE CONCEPCION
Grupo de Astronomia, Departamento de Fisica,
Casilla 160-C
Chile
Tel: 56-41-203103
FAX: 56-41-224520
URL1: http://cluster.cfm.udec.cl
Email Submission Address: wgieren@coma.cfm.udec.cl
Email Inquiries: wgieren@coma.cfm.udec.cl

Attention: Wolfgang Gieren, Dr.

We are advertising a position in astronomy at the assistant professor level at the Universidad de Concepcion, Chile which is open immediately. The position will be initially for a period of 2 years, but

after this initial period a permanent position will very likely become available for which the successful candidate would be a preferred applicant. The successful candidate should have a strong committment to scientific research, and to the teaching of astronomy courses at both the undergraduate and the graduate level. An occasional contribution to the teaching of physics courses at an undergraduate level may be expected. A command of the Spanish language will be a great advantage and will be expected after a reasonable initial period of about one year. Salary will be the equivalent in national currency of US $30,000 per year.

The Astronomy Group at the Universidad de Concepcion has currently four faculty and four postdoctoral fellows, with strong ongoing research programs in the areas of the extragalactic distance scale, galactic and extragalactic globular clusters, stellar populations and variable stars in nearby galaxies, and stellar evolution (see more detailed information at http://cluster.cfm.udec.cl). The creation of an Astronomy Department is expected for 2004, in the context of a development plan for astronomy in our university. This plan foresees a steady increase of faculty in astronomy over the next 8 years. The successful candidate will have full access to the 10 percent of Chilean observing time at all telescopes operating in Chile, including the VLT, Gemini South, and the Magellan telescopes on Las Campanas. We encourage people working in all areas of astronomy (including radioastronomy or theory) to apply. The astronomy group offers an excellent computational infrastructure, as well as ample office and laboratory space in our new astronomy annex. Undergraduate and doctoral programs in astronomy have started recently at our university. The Universidad de Concepcion is the largest Chilean university outside of Santiago.

To apply for the position, please submit a vita, a list of publications, names and email addresses of three referees who know you and your work, and a description of the research you intend to carry out over the next several years via email to the address given above. Complete applications should be received by September 30, 2003.

No. 20126
Postdoctroal Research Associate in Extragalactic Astronomy
UNIVERSITY OF SOUTH CAROLINA
Dept. of Physics and Astronomy
712 Main Street
Columbia, SC 29208
U.S.A.
Tel: 803-777-6293
FAX: 803-777-3065
URL1: http://www.physics.sc.edu
Email Submission Address: kulkarni@sc.edu
Email Inquiries: kulkarni@sc.edu

Attention: Varsha Kulkarni, Prof.

Applications are invited for a postdoctoral research associate position in observational extragalactic astronomy and cosmology. The candidate should have a PhD in astronomy and/or astrophysics and experience in the areas of quasar absorption lines and intergalactic matter. The duties will primarily involve observations and analysis of quasar spectra and images from ground-based and space-based optical/IR/UV facilities. Some of the main areas of ongoing research are damped Lyman-alpha absorbers and the implications of quasar absorbers for galaxy evolution.

The position can start as soon as possible, and is for up to two years, subject to performance and

funding. Interested applicants should send curriculum vitae, a list of publications, a statement of research interests, and arrange to have 3 letters of reference sent to : Prof. Varsha Kulkarni, University of South Carolina, Dept. of Physics and Astronomy, 712 Main St., Columbia, SC 29208. The application deadline is August 31, 2003.

The University of South Carolina is an equal-opportunity / affirmative-action employer.

No. 20157
Deputy Director, NOAO Gemini Science Center (NGSC)
NATIONAL OPTICAL ASTRONOMY OBSERVATORY
950 North Cherry Ave
P.O. Box 26732
Tucson, AZ 85726
USA
Tel:
FAX: 520-318-8494
Email Submission Address: hrnoao@noao.edu
Email Inquiries: hrnoao@noao.edu

Attention: Human Resources, Human Resources Manager

NATIONAL OPTICAL ASTRONOMY OBSERVATORY JobTitle: Deputy Director, NOAO Gemini Science Center (NGSC) Location: La Serena, Chile

The National Optical Astronomy Observatory (NOAO) invites applications for the Deputy Director of the NOAO Gemini Science Center (NGSC). The position will be located at NOAO-South in La Serena, Chile. The NOAO Gemini Science Center is responsible for the support of the two Gemini 8-m telescopes within the US community. NGSC activities include support of US Gemini users and proposers, US proposal evaluation, user education, Gemini instrument development, and selected operations support. NGSC staff members are based at NOAO Headquarters in Tucson, Arizona and at NOAO-South in La Serena, Chile. A more detailed description of NGSC activities is available in the NOAO Long Range Plan (http://www.noao.edu/dir/lrplan/ see Section 3.1, pp. 9-13).

We invite applications from observational astronomers with management and leadership experience, and with scientific interests that are aligned with the Gemini telescopes and instruments. The incumbent is expected to lead the NGSC activities at NOAO-South and undertake a research program utilizing the Gemini telescopes. The Deputy Director will have leadership responsibilities in selected areas of US Gemini user support and operations support. Experience in user support, 8-m-class telescopes, queue or service observing, and astronomical community outreach is relevant to this position. The Deputy Director of NGSC reports to the NGSC Director.

The successful candidate will work primarily in La Serena, Chile. The working language is English. Staff members have excellent benefits and living conditions, an overseas allowance, an educational stipend for dependent children, international health care benefits, and annual travel to the point of hire. Bilingual education for children is available at the International School of La Serena, which was co-founded and is supported by AURA. The city of La Serena is a major seaside tourist destination in South America, with a climate very similar to San Diego, California.

Applicants should submit to the HR Manager a vita, a publication list, a statement of recent research

experience, a statement of relevant management and service experience, and a description of future research plans. In addition, please arrange for your references to send three letters of recommendation. Applicants are encouraged to submit materials

before August 15, 2003, however we will continue to accept applications until

the position is filled. Please reference position #595 with submitted materials. For questions about this position, please contact Dr. Taft Armandroff, Director of NGSC.

Send materials to: Human Resources Manager National Optical Astronomy Observatory P.O. Box 26732 Tucson, Arizona 85726-6732 Email: hrnoao@noao.edu FAX: 520-318-8494 NOAO is an affirmative action and equal employment opportunity employer.

No. 20140
Project Manager for Thirty Meter Telescope
CALIFORNIA INSTITUTE OF TECHNOLOGY AND UNIVERSITY OF CALIFORNIA
1200 East California Boulevard
Mail Code 206-31
Pasadena, CA 91125
USA
Tel: 626-395-6320
FAX: 626-795-1898
URL1: http://celt.ucolick.org
(California Extremely Large Telescope)
Email Submission Address: staceys@caltech.edu
Email Inquiries: staceys@caltech.edu

Attention: Stacey Scoville, Assistant to the Provost

California Extremely Large Telescope (CELT) Development Corporation plans to construct and operate a 30 meter class optical and infrared telescope via a partnership between the California Institute of Technology and the University of California. The CELT Board of Directors is working with the Association of Universities for Research in Astronomy (AURA) to form the first public-private partnership for the design and construction of a giant telescope for the U.S. astronomical community.

The CELT Board seeks a Project Manager (PM) capable of leading the design development work for this project. The principal task of the PM will be to initiate the Design and Development Management Plan for a 30 meter class telescope, with well-defined and carefully analyzed performance, schedule and cost targets. The PM will define the organizational structure of his/her project team, recruit group managers, and supervise the recruitment of other team members. Design studies central to establishing the optimal design, cost and scientific validity of the telescope will be undertaken both by the PM's staff and via contracts to individuals, academic institutions and industrial partners.

Individuals with a proven track record in managing large science and engineering projects should submit a CV, their basis of interest in the position, and the names of three referees by August 31, 2003.

The CELT Development Corporation, the California Institute of Technology, the University of California, and the Association of Universities for Research in Astronomy are Affirmative Action/Equal Opportunity Employers. Women, Minorities, Veterans and Disabled Persons are encouraged to apply.

No. 20154
Postdoctoral Research Associate (Interstellar/Intergalactic Medium)
NORTHWESTERN UNIVERSITY
Department of Physics and Astronomy
2145 Sheridan Road
Evanston, IL 60208
USA
Tel: 847-491-4516
FAX: 847-491-3135

Attention: Prof. David M. Meyer

A postdoctoral research position is now available at Northwestern University to work with Dave Meyer and Jim Lauroesch on various UV and optical studies of the elemental abundances and small-scale structure in the Galactic interstellar medium and QSO absorption-line systems. Applications from recent Ph.D. recipients with research interests in these areas, observational experience, and familiarity with spectroscopic data reduction techniques are especially sought for this position. The initial appointment will be for one year with renewal for up to two more years subject to the availability of funding.

Applicants should send a complete curriculum vitae including a list of publications, a brief statement of research experience, interests, and plans, and arrange for three letters of recommendation to be sent to the above address. Complete applications will be considered beginning on September 15, 2003. The position will be immediately available, but starting dates are flexible. AAE/EOE.

No. 20125
Full Professor of Astronomy and Director of State Observatory (Landessternwarte) Heidelberg
UNIVERSITY OF HEIDELBERG
Albert Ueberle Str. 11
Heidelberg, Baden-Wuerttemberg D 69120
Germany
Tel:
URL1: http://www.lsw.uni-heidelberg.de

Attention: Prof. D. Dubbers, Dean

The Faculty of Physics and Astronomy of the University of Heidelberg, Germany, invites applications for a Full Professorship in Astronomy starting October 1st, 2005.

The position implies the Directorship of the State Observatory (Landessternwarte) Heidelberg-Koenigstuhl. The Landessternwarte is a research institute of the State of Baden-Wuerttemberg. Currently its main fields of research are extragalactic and stellar astrophysics and the development of innovative astronomical instrumentation. The institute is a partner in the Large Binocular Telescope (LBT) Project and various other national and international cooperations.

The successful applicant should have research interests in the fields listed above. She or he is expected to contribute to the teaching at the University covering the field of observational astrophysics.Moreover, she or he is expected to provide leadership for the Landessternwarte and to organize and coordinate the broad research activities of the institute.

Additional information on this position can be found on the web page of the Landessternwarte Heidelberg. Applications should be received not later than September 1, 2003.

No. 20155
Resident Astronomer
OBSERVATORIO ASTRONOMICO NACIONAL, UNAM
P.O. Box 439027
San Diego, California 92143
USA
Tel: 01152646-1744580 ext301
FAX: 01152646-1744777
URL1: http://www.astrosen.unam.mx
Email Submission Address: jefatura@astrosen.unam.mx
Email Inquiries: jefatura@astrosen.unam.mx

Attention: Joaquin Bohigas, Head

RESIDENT ASTRONOMERS OBSERVATORIO ASTRONÓMICO NACIONAL UNAM, MÉXICO

The National Autonomous University of Mexico (UNAM) offers a resident- astronomer position at the National Astronomical Observatory at San Pedro Martir-Ensenada, Baja California, Mexico, beginning September 2003. This position is for a period of two years with the possibility of extension to three (or more) years. The successful candidate will be required to spend about 120 nights per year at the Observatory in the San Pedro Mártir mountains of Baja California, Mexico. Her/His tasks will include introducing the telescope and peripheral instruments to visiting astronomers and assisting them at the beginning of their observing runs and also during non-standard observations; contribute in tasks such as testing, calibration and maintenance work and with writing documentation on new and existing astronomical telescope and peripheral instruments, including control and data-acquisition systems. She/He will be encouraged to carry out their own observational and research projects at the observatory. Current operational instruments include 2.1 m., 1.5 m. and 84 cm. Telescopes, Boller & Chivens and Echelle optical spectrographs, optical scanning Fabry-Pérot, near and mid-infrared cameras and spectrographs, and stellar photometers. Applicants should have a Ph.D. in Astronomy, preferably with a strong background in observational or experimental astrophysics. Both recent recipients of a doctorate as well as more experienced observers will be considered. Bilingual (Spanish and English) scientists are especially encouraged to apply. Salary and benefits are adjusted according to the cost of living in northwestern Mexico. To apply, send a letter of intention via e-mail to: jefatura@astrosen.unam.mx., at the same time, send then a letter of application, including description of research experience, curriculum vitae, bibliography and three letters of recommendation to:

Joaquín Bohigas B. Head of the National Astronomical Observatory P.O. Box 439027 San Diego Ca., 92143 USA

No. 20134
MIT Pappalardo Fellowship in Physics
MIT DEPT. OF PHYSICS
77 Mass. Ave.
Bldg. 6-113
Cambridge, MA 02139
USA
Tel: 617.253.4800

URL1: http://web.mit.edu/physics/newsandevents/pappalardo_competition_04.html
(2004-07 MIT Pappalardo Fellowships)
Email Inquiries: breen@mit.edu

Attention: Program Office, Pappalardo Fellowships in Physics

The Executive Committee of the MIT Pappalardo Fellowships in Physics invites faculty and senior researchers within the international community of physics, astronomy or related fields to submit nominations for the 2004?07 MIT Pappalardo Fellowships in Physics competition.

Nominees must be men or women of exceptional ability who currently have or will have received a doctoral degree in physics, astronomy or related fields by the fall of 2004. Nominations may be submitted either on-line at http://web.mit.edu/physics/newsandevents/pappalardo_nomination_form_04.html or by mailing a nomination form obtained from the Pappalardo Fellowships program office (tel: 617.253.4800).

The Pappalardo Fellowships program typically appoints three new Fellows per academic year, for a three-year fellowship term each, by means of an annual competition. All Pappalardo Fellows are provided with:

· unrestricted choice in research direction within the Department, throughout their fellowship term; · active faculty mentoring, fostered by weekly luncheons and monthly dinners during the academic year with faculty, senior researchers and visiting scholars; · a competitive annual stipend with an annual cost-of-living increase, combined with $5,000 per year in discretionary research funds; and · health insurance coverage for Fellows and their dependents.

The nomination deadline for the 2004-07 MIT Pappalardo Fellowships in Physics competition is FRIDAY, SEPTEMBER 12, 2003.

Please note that in order to participate in the MIT Pappalardo Fellowships competition, an applicant MUST be nominated by a faculty member or senior researcher within the international community of physics, astronomy or related fields. Any materials received from a self-nominated applicant cannot be accepted by the Fellowships office.

No. 20127
Assistant Professor, Experimental Particle Astrophysics
UNIVERSITY OF CHICAGO, ENRICO FERMI INSTITUTE
Enrico Fermi Institute
5640 Ellis Avenue, RI-183
Chicago, IL 60637
US
Tel: (773) 702-7823
FAX: (773) 702-8038
Email Submission Address: n-carrothers@uchicago.edu

Attention: Director, James E. Pilcher

The Enrico Fermi Institute is seeking applicants for a tenure-track position at the rank of Assistant

Professor in the field of experimental particle astrophysics, or a closely allied field, commencing with the Autumn 2004 Quarter. Some of the present activities in this area within the Enrico Fermi Institute include the VERITAS high energy gamma-ray observatory and the Auger project for observations of ultra-high energy cosmic rays. Qualified applicants in any area of experimental particle astrophysics are encouraged. Interested candidates should send CV, statement of research interests and goals and arrange for 3 letters of reference to be sent to: Director, Enrico Fermi Institute, 5640 S. Ellis Av., Chicago, Illinois, 60637. Applications and references should be submitted by October 15th. The University of Chicago is an equal opportunity employer.

No. 20146
Postdoctoral Researcher in Protostellar Disk Evolution
JET PROPULSION LABORATORY
MS 169-506
4800 Oak Grove Dr
Pasadena, CA 91109
USA
Tel:
FAX: 818-354-8895
URL1: http://astrophysics.jpl.nasa.gov/yorke/
Email Submission Address: yorke@jpl.nasa.gov
Email Inquiries: yorke@jpl.nasa.gov

Attention: Harold Yorke

The California Institute of Technology, Postdoctoral Scholars Program at JPL invites applications for a postdoctoral research position in the Astrophysics Element of the Earth & Space Sciences division at JPL. The research will involve the numerical modeling of protostellar disks, with application to current and proposed observations. The focus will be on the effects of external heating sources on the evolution of the disk. Disk models will be specifically translated into SIRTF observational characteristics.

A Ph.D. in astrophysics or related fields is required, as is a strong background in hydrodynamics and radiative transfer. Experience with numerical modeling of astrophysical processes is highly desirable, particularly simulations of protostellar disks, star formation, and the radiative environment of young stellar objects. Familiarity with the SIRTF observer proposal process is desired, but not required. The position is open immediately. Starting date is flexible, but preferably no later than 1 Nov 2003. Appointment is contingent on completion of Ph.D. The annual starting salary for a recent Ph.D. is approximately $US 48,500, varying somewhat according to the applicant's qualifications. Positions are awarded initially for a 1-year period. Appointments may be renewed in 1-year increments for a maximum of 2 additional years. Applicants should submit a CV and contact information for three references to:

Dr. Harold Yorke Jet Propulsion Laboratory MS 169-506 4800 Oak Grove Dr. Pasadena, CA 91109
FAX: 818-354-8895 Email: yorke@jpl.nasa.gov

Caltech and JPL are equal opportunity/affirmative action employers. Women, minorities, veterans and disabled persons are encouraged to apply.

No. 20162
Candidate for NSERC University Faculty Award Nomination
SAINT MARY'S UNIVERSITY

Saint Mary's University
Halifax, NS B3H 3C3
Canada
Tel: (902)420-5828
FAX: (902)496-8218
URL1: http://www.ap.smu.ca
(Department website)
URL2: http://www.nserc.ca/programs/schol4_e.htm
(Information on NSERC UFA Program)
Email Inquiries: ufasearch@ap.smu.ca

Attention: chair, UFA Search Committee

The Department of Astronomy and Physics at Saint Mary's University seeks a candidate to nominate for an NSERC University Faculty Award (UFA).

The department consists of ten faculty members, all with active research efforts in: observational/theoretical astronomy and astrophysics; computational astrophysics, and; theoretical/experimental subatomic physics. In 2001 the Institute for Computational Astrophysics (ICA) was formed as one of Saint Mary's strategic research initiatives. This included the appointment of one Tier I and one Tier II Canada Research Chair, and one regular faculty position. A Ph.D. program in astronomy has been approved and the university is planning a new building which will house the department. The department is also involved in two large CFI proposals: ACENet, an Atlantic Canada consortium proposing a world-class regional academic computing network, and CANLACT, a proposal for a nationwide array of time-coincident cosmic ray detectors. Further information on the department's activities and interests can be found on the department's website www.ap.smu.ca.

Qualified applicants from all areas that complement our department's interests are encouraged to apply, as we seek the strongest candidate available to nominate for the award. Given Saint Mary's commitment to excellence in undergraduate teaching, we also seek those who demonstrate promise and enthusiasm for teaching.

To be eligible for the award, NSERC requires you to be: a Canadian citizen or a permanent resident of Canada as of the nomination deadline date; and a woman or Aboriginal person who holds a doctorate in one of the fields of research that NSERC supports, or expect to have completed all the requirements for such a degree, including thesis defence, by the proposed date of appointment. Further details can be found at NSERC's web site, www.nserc.ca.

The deadline for nominations to NSERC is November 1, 2003. The deadline for submitting applications is August 31, 2003, with interviews of short-listed candidates to occur soon after.

Please submit your CV, a statement of research interests, and arrange for three reference letters to be sent to:

Chair, UFA Search Committee Department of Astronomy and Physics Saint Mary's University Halifax NS B3H 3C3 fax: (902)496-8218 web: www.ap.smu.ca email:ufasearch@ap.smu.ca

No. 20141
Research Associate/Assistant Astronomer

THE UNIVERSITY OF ARIZONA
Steward Observatory Dept.
933 N. Cherry Ave.
Tucson, Arizona 85721
USA
Tel: (520) 621-2727
FAX: (520) 621-1532
URL1: http://mips.as.arizona.edu
(Research Space Projects)
URL2: http://www.as.arizona.edu
(Job Opportunities)
Email Submission Address: dwilson@as.arizona.edu
Email Inquiries: dwilson@as.arizona.edu

Attention: Ms.Debra Wilson, Program Manager

We invite applications for one or more positions to work on a guaranteed time program with the Multiband Imaging Photometer for SIRTF (MIPS). MIPS images in spectral bands at 24, 70, and 160 microns, using high performance infrared arrays. It will take full advantage of the ultra-low backgrounds in space to achieve unprecedented sensitivity and aerial coverage. To learn more about this instrument, look at http://mips.as.arizona.edu/. SIRTF is due to be launched in August, 2003, and will start science observations three months later. Responsibilities will include planning of the MIPS observations, analysis of the data obtained by the instrument, acquiring supporting ground based data, and developing analysis and modeling tools. Prior far-infrared experience is not required for a candidate with strong qualifications in other aspects of these tasks. Although responsibilities for the SIRTF program must have priority, the positions include full access to other research capabilities at Steward Observatory, such as the 6.5-m MMT optical/infrared and the 10-m submm telescopes. The positions can be at the postdoctoral level (Research Associate) or in the research ranks (Assistant Astronomer) of Steward Observatory, at salaries from $40,000 to $50,000, depending on qualifications and experience. A PhD in Astronomy, Physics or a related field by the time of hire is required, as is a background in a sub-field of astronomy. A position may be available as early as December, 2003, and the positions would potentially continue to the end of the SIRTF mission, projected to be approximately five years after launch. Application materials must be received by 30 September 2003: please send a curriculum vitae, a statement of experience and research interests, and the names of three references to Ms. Debra Wilson at the above address, or apply by email to dwilson@as.arizona.edu The University of Arizona is an EEO/AA Employer-M/W/D/V.

No. 20143
Faculty Position in Theoretical Astrophysics/Cosmology
UNIVERSITY OF PITTSBURGH
100 Allen Hall
3941 O'Hara Street
Pittsburgh, PA 15260
USA
Tel: 412-624-9000
FAX: 412-624-9163
URL1: http://www.phyast.pitt.edu
(Department Web Page)

Attention: Astrophysics Search Committee, Department of Physics & Astronomy

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Faculty Position in Theoretical Astrophysics/Cosmology University of Pittsburgh Department of Physics and Astronomy

The Department of Physics and Astronomy at the University of Pittsburgh invites applications for a tenure-stream faculty member in theoretical astrophysics/cosmology. This appointment, which is subject to budgetary approval, will be at the Assistant Professor level and will begin the Fall Term of 2004, or thereafter.

All candidates should have the potential to teach effectively at both the graduate and undergraduate levels and to attract external funding for a creative, independent and broad-based research program.

The successful candidate will complement existing programs by working at an interface of astrophysics, cosmology and particle theory.

Please send a curriculum vitae, bibliography, statement of research interests, and a list of references to Astrophysics Search Committee, Department of Physics and Astronomy, 100 Allen Hall, University of Pittsburgh, Pittsburgh, PA 15260. Applications should be received before November 1, 2003 to ensure full consideration. The University of Pittsburgh is an Affirmative Action, Equal Opportunity Employer. Women and members of minority groups under-represented in academia are especially encouraged to apply.

No. 20144
Postdoctoral Researcher on Surveys
PENN STATE UNIVERSITY
Dept. of Astronomy & Astrophysics
525 Davey Lab.
University Park, PA 16802
USA
Tel: 814 865 3509
FAX: 814 863 2842
URL1: http://www.astro.psu.edu
Email Inquiries: niel@astro.psu.edu

Attention: Dr. W. N. Brandt, Professor

Applications are invited for a position which could begin as early as January 2004. The successful applicant will work with Prof. W.N. Brandt and collaborators on the analysis/interpretation of X-ray and optical survey data, including the Chandra Deep Field-North, the Chandra Deep Field-South, and the Great Observatories Origins Deep Survey (GOODS). Research work will involve the planning and implementation of observing programs, the analysis of X-ray and optical data, and the publication of scientific results. A PhD is required, and significant experience working with X-ray or optical data would be an advantage. The position is for one year initially with the possible extension of up to two more years.

Information about the Department can be found at http://www.astro.psu.edu. Applications including CV, publications list, (1 page) statement of research interests, and two professional reference letters should be sent to W.N. Brandt at the above address by Sept 12, 2003. Questions should be directed to W.N. Brandt at 814-865-3509 or niel@astro.psu.edu.

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

No. 20139
Adaptive Optics Program Engineer/Manager
GEMINI OBSERVATORY
670 N. A'ohoku Place
Hilo, HI 96720
Tel:
Email Submission Address: Gemini-jobs@gemini.edu

Attention: Human Resources Department

Located in La Serena, Chile. Provides overall technical and managerial direction within the Gemini Observatory adaptive optics program, which is a multimillion dollar program that will lead to the development of advanced natural and laser guide star AO capabilities on its northern (Hawaii) and southern (Chile) 8 m telescopes. Responsibilities include providing overall technical direction for the modeling, design, fabrication, and testing of AO subsystems developed at Gemini. The AO program engineer/manager will also work closely with the AO Program Scientist in defining AO system performance, functional requirements, and commissioning various AO components.

Requires an advanced degree in physics, engineering, or related physical sciences with experience in:

• Designing, integrating, and testing adaptive optics systems or similar high speed electro-optic systems; • Leading a team of engineers and technicians responsible for developing and integrating facility instrumentation; • Instrumentation interface and configuration control; • Overseeing acceptance testing of components and leading their integration into fully operational systems Managing distributed projects, both internal and through external commercial contracts Resource tracking and planning including budgets, manpower, capital equipment, etc.

Extensive experience working with laser systems, particularly when used in AO systems, is highly desirable. Experience working in an astronomical observatory environment, including working at high altitudes (e.g. Mauna Kea at 14,000'), is also desirable. Strong administrative/management skills required. Must have good communication skills, both written and oral. Requires valid license to drive in Hawaii and clean driving record plus ability to drive 4-W D vehicle. Must possess or be able to obtain a valid Passport for international travel. The position will initially be based in Hilo, Hawaii, for a ~2 year period before integration activities of the planned Gemini-South AO system require being on-site in Chile. For additional information contact Doug Simons at dsimons@gemini.edu or Peter Gray at pgray@gemini.edu . All interested applicants should be thoroughly familiar with the Gemini website at www.gemini.edu . To apply, send in English, current resume letter with cover letter relating your experience, education, and background to the needs of the position to the above address. Simultaneously, have three references familiar with your work/credentials/qualifications send a written reference on your behalf directly to the Human Resources Department. Gemini is an Equal Opportunity/Affirmative Action Employer, operated by the Association of Universities for Research in Astronomy, Inc. under a cooperative agreement with the National Science Foundation.

No. 20135
Post-doctoral research position in infrared extragalactic astronomy
TUORLA OBSERVATORY
Vaisalantie 20
Finland

Tel: +358-2-2744261
FAX: +358-2-2433767
URL1: http://www.astro.utu.fi/
(Tuorla Observatory home page)
Email Submission Address: jarkot@astro.utu.fi
Email Inquiries: jarkot@astro.utu.fi

Attention: Jari Kotilainen, Dr.

Applications are invited for a postdoctoral research position at Tuorla Observatory, University of Turku, Finland, to work with Dr. Jari Kotilainen in the field of infrared extragalactic astronomy.

Applicants should have experience in the reduction and analysis of infrared imaging and spectroscopic data, and scientific background in one or several of the following areas: evolution of AGN and their host galaxies; unified models of AGN; star formation and stellar populations in AGN host galaxies. The candidate is encouraged to pursue an independent research program in line with her/his research interests.

The appointment is for two years, renewable for one additional year, contingent upon performance and the availability of funding. The annual salary of the postdoctoral researcher will be about 24.000 Euros, dependent upon qualifications and experience. A PhD in Astronomy or related discipline is required.

Applicants should submit to the address above: a curriculum vitae, a list of publications, a summary of research and technical experience and current work, a brief description of research interests, and the names and contact information of three scientists who are familiar with the applicant's work. Applications may also be submitted electronically to jarkot@astro.utu.fi.

Complete applications received by September 15, 2003 will be given full consideration. Later applications will be considered until the position is filled. The starting date is flexible but not earlier November 1, 2003. For further information, please contact Dr Jari Kotilainen (tel: +358-2-2744261; e-mail: jarkot@astro.utu.fi).

No. 20163
Tenure-Track Faculty Position in Astrophysics
CARNEGIE MELLON UNIVERSITY
Carnegie Mellon University
Pittsburgh, PA 15232
USA
Tel: 412 268 2740
FAX: 412 681 0648
URL1: http://info.phys.cmu.edu/
Email Inquiries: gilman@andrew.cmu.edu

Attention: Prof. Fred Gilman, Chair

Tenure-Track Faculty Position ASTROPHYSICS Department of Physics, Carnegie Mellon University
The Department of Physics at Carnegie Mellon University is beginning a search for a tenure-track position in astrophysics. The position is expected to be at the Assistant Professor level, but a higher level appointment could be considered. The focus of the astrophysics group at Carnegie Mellon is on

observational cosmology, including extragalactic X-ray sources, CMB anisotropy measurements and large-scale structure. The group is involved in observational programs using XMM-Newton, the Chandra X-ray Observatory, the VIPER telescope in Antarctica, the Southern African Large Telescope, and projects using the Hubble Space Telescope. The group also interacts with the astroparticle component of the high-energy group.

The position is nominally available for September 2004. Applications, including CV, publications, a statement of research interests, and three (3) letters of recommendation should be sent before October 15, 2003 to

Astrophysics Search Committee Attn: Professor Fred Gilman Department of Physics Carnegie Mellon University Pittsburgh, PA 15213 USA (email: gilman@andrew.cmu)

Carnegie Mellon is an equal opportunity/affirmative action employer ----------

No. 20152
Postdoctoral Scholar Research Position on Terrestrial Planet Finder project coronograph instrument science team
CALIFORNIA INSTITUTE OF TECHNOLOGY/JET PROPULSION LABORATORY
4800 Oak Grove Drive
183-900
Pasadena, CA 91109
USA
Tel:
URL1: http://tpf.jpl.nasa.gov
Email Submission Address: karl.r.stapelfeldt@jpl.nasa.gov

Attention: Dr. Karl Stapelfeldt, TPF Coronograph Scientist

The California Institute of Technology (Caltech) Postdoctoral Scholars Program at the Jet Propulsion Laboratory (JPL) invites applicants to apply for a postdoctoral research position on the Terrestrial Planet finder (TPF) project coronagraph instrument science team.

TPF is a future NASA mission whose objective is to directly detect and spectroscopically characterize terrestrial planets in nearby solar systems. The successful candidates will be working on detailed designs for a high contrast coronagraph instrument, large optical telescope, and host spacecraft are being developed between now and 2006. The project seeks a postdoc with research interests in extrasolar planets, circumstellar disks, brown dwarfs, or nearby stars, and with experience in high contrast space imaging, spectroscopy, or adaptive optics (AO).

The successful applicant will work with JPL scientists, JPL engineers, and the TPF Science Working Group to study topics of mutual interest in the development of the TPF coronagraph instrument and the TPF science mission; he/she will also carry out a program of independent research.

Available opportunities through this position include laboratory work with a state-of-the-art coronagraph imaging testbed; access to the Palomar 5m telecope and its AO system; and collaborative research on the structure and evolution of circumstellar disks. Further information on the TPF project is available on the web at http://tpf.jpl.nasa.gov.

Applicants should have a recent Ph.D. in astronomy, physics, or optical sciences. The annual starting salary for a recent PH.D is $48,500.00 and can vary somewhat according to the applicant's qualifications. Postdoctoral scholar positions are awarded initially for a 1-year period and may be renewed in 1-year increments for a maximum of two additional years.

Applications should arrive at JPL by October 17, 2003 to receive full consideration. The position will start by January 2004.

Applicants should mail or e-mail a resume, list of publications and names of three references to the addresses below:

Dr. Karl Stapelfeldt TPF Coronagraph Scientist Jet Propulsion Laboratory Mail Stop 183-900 4800 Oak Grove Drive Pasadena, CA 91109 USA Email: Karl.R.Stapelfeldt@jpl.nasa.gov

The California Institute of Technology and the Jet Propulsion Laboratory are Equal Opportunities/Affirmative Action employers. Women, minorities, veterans and disabled persons are encouraged to apply.

No. 20151
Senior Scientist and Postdoctoral Fellow in Millimetre- Wave Interferometry
IRAM (INSTITUT DE RADIOASTRONOMIE MILLIMETRIQUE)
300, rue de la piscine
St Martin d'Heres, France 38406
France
Tel: 33-476-82-4906
FAX: 33-476-51-5938
URL1: http://www.iram.fr
(general IRAM Web page)
URL2: http://www.iram.fr/IRAMFR/jobOffers.htm
(job description)
Email Submission Address: grewing@iram.fr
Email Inquiries: gueth@iram.fr

Attention: Pr. M. Grewing, Director

IRAM is recruiting a Senior Scientist and a Postdoc to work, in the frame of an international team composed of astronomers and engineers, on the development of software for the calibration and analysis of mm-wave astronomical data.

IRAM, an international research institute, operates two major mm-wave radiotelescopes, the Pico-Veleta 30 m-diameter antenna and the Plateau de Bure interferometer. IRAM headquarters are located in Grenoble, France. IRAM is also involved, together with several other European and North American institutes, in the construction of the ALMA submm-wave interferometer.

IRAM has developed a versatile software package for mm-wave interferometry that is currently used on its interferometer. It is involved in the development of data processing software for ALMA. With the new positions, IRAM wants to strengthen these activities, especially the development of calibration and image restoration softwares.

The appointed scientists will spend up to 50% of their time on personal research. Current research activities at IRAM include the study of line and continuum emission from galaxies (from nearby galaxies to high redshift QSOs), from Galactic molecular clouds, from circumstellar disks, jets and envelopes, and from Solar System objects.

More detailed informations on the candidate's profiles can be found on the IRAM Web page. Experience in the use of interferometers will be a strong asset.

Candidates are asked to send an application with their CV, publication list, a brief description of their research interests for the coming 3 years, and the names of senior scientists willing to write a letter of recommendation.

No. 20160
Optical-Instrument Physicist
ASTRON-NETHERLANDS FOUNDATION FOR RADIO ASTRONOMY
Postbox 2
The Netherlands
Tel: + 31-521- 595100
FAX: + 31-521-597332
URL1: http://www.astron.nl
Email Submission Address: personnel@astron.nl
Email Inquiries: personnel@astron.nl

Attention: Ms. D. Verweij

The Netherlands Foundation for Astronomical Research in the Netherlands (ASTRON) develops and operates observing facilities for national and international scientific astronomical research. ASTRON is active in the technology development for the next generation radio telescopes. ASTRON is a subsidiary of the Netherlands Organization for Scientific Research (NWO).

The Netherlands Foundation for Research in Astronomy (ASTRON) is one of the two NWO institutes that support Dutch astronomical research. ASTRON operates observing facilities (for example the Westerbork Synthesis Radio Telescope) and is engaged in the development of scientific instruments in an (inter)national context. Within the Technical Laboratory innovative astronomical instrumentation is developed for the radio as well as optical, and infrared frequency bands. The Optical Design Group develops optical and infrared instruments for large international observatories like the William Herschell Telescope on La Palma and the Very Large Telescope in Chile. In the coming years realization of an infrared spectrograph for the James Webb Space Telescope, the successor of the Hubble Space Telescope, will play an important role.

We are therefore looking for an:

Optical-Instrument Physicist

(38 hours per week)

Function information: Primarily, the function aims at: § Designing, engineering and analyzing optical and infrared instruments. § Providing support and consultancy during engineering and production of the instruments. § Preparing and conducting tests and calibration of instruments and their components as

well as analyzing the results. § Assisting during instrument commissioning and supporting the first scientific programmes with the instruments. The candidate is required to perform scientific research, primarily aiming at implementing new optical techniques

Function requirements: § Completed academic training; preferably PhD in Astronomy or Physics. § Knowledge of and experience with performing computer simulations (e.g. with Matlab). § Experience with working on project basis. § A team player with good communicative skills. Place of work: Dwingeloo, the Netherlands We offer: a job position with a lot of variety and ample room for initiative. We also offer a competitive salary with excellent benefits. ASTRON has flexible working hours, a good pension plan (ABP), allowance for home-work travel, health insurance allowance, parental leave possibilities, the so-called “spaarloonregeling”, possibilities for childcare and a customized conditions of employment scheme.

Inquiries: For more information on ASTRON in general you can visit our webpages at www.astron.nl. For more information on this job position you can contact our HR afdeling, ms. D. Verweij , +31-521-595 100 or personnel@astron.nl

Reactions: You can send your letter including your Curriculum Vitae before August 15, 2003 to Stichting ASTRON, HR Department, P.O. Box 2, 7990 AA Dwingeloo, the Netherlands. Please mention the job position in the left corner of the envelope.

No. 20159
AAO/UK 2dF RESEARCH FELLOWSHIP
ANGLO-AUSTRALIAN OBSERVATORY
167 Vimiera Road
Eastwood
Sydney, NSW 2122
Australia
Tel: +6193724863
FAX: +6193724860
URL1: http://www.aao.gov.au/local/www/jobs
(AAO Employment Opportunities)
URL2: http://www.aao.gov.au
(Anglo-Australian Observatory)
URL3: http://www.aao.gov.au/about/
(AAO - Overview)
Email Submission Address: jobs@aaoepp.aao.gov.au
Email Inquiries: sdr@aaoepp.aao.gov.au

Attention: Greta Simms, Recruitment Officer

ANGLO-AUSTRALIAN OBSERVATORY AAO/UK 2dF RESEARCH FELLOWSHIP $A66,331 - $A73,106 (plus generous superannuation contribution)

Applications are invited from applicants with a PhD in astronomy or related discipline for the above position at the Anglo-Australian Observatory. The AAO is one of the world’s leading astronomical facilities and operates two major optical telescopes located at Siding Spring Mountain near Coonabarabran. The position may be held either at Epping or at Coonabarabran and will be a fixed term of three years. The recipient of the Fellowship will be expected to spend up to 50% of their time in carrying out 2dF observations for proposals awarded time by the UK time assignment committee and

other observatory duties. In addition, they will be free to conduct their own research program, either independently or in collaboration with AAO staff astronomers or members of the research groups using 2dF. The Fellowship salary will be in the range $A66,331 to $A73,106 p.a., (including observing allowance), depending on research experience. Reasonable relocation expenses including airfare to Australia (and return on completion of the appointment) will be paid.

Applications should include a curriculum vitae, list of publications, a statement of proposed research programs and the names and addresses of three referees familiar with the applicant's work.

In order to apply you need to obtain the employment information package and follow its guidelines. You can get the package by contacting Greta Simms on (02) 9372 4863 or by downloading it from the World Wide Web, http://www.aao.gov.au/local/www/jobs/ Please lodge your application electronically to jobs@aaoepp.aao.gov.au

Further information may be obtained from Dr Stuart Ryder, Phone +61 2 9372 4843: Fax +61 2 372 4880 or e-mail: sdr@aaoepp.aao.gov.au

Applications close on 1 September 2003.

The Anglo-Australian Observatory is an equal opportunity employer.

No. 20161
Postdoctoral Research Associateships in Space Sciences - NASA - Goddard Space Flight Center
NASA/GSFC
Tel:

Attention: National Research Council

The National Research Council is accepting applications for Postdoctoral Associateships for research to be conducted at the NASA-Goddard Space Flight Center (GSFC) in Greenbelt, MD. Vigorous programs of research at GSFC include solar physics, extrasolar planetary science, Galactic and extragalactic astronomy and cosmology, astrobiology, gravitational wave physics, x-ray and gamma-ray astronomy, cosmic ray physics and space physics.

New technologies under development include interferometry, visible coronagraphy and wave-front correction, cryogenic detectors for infrared and x-ray astronomy, lightweight and ultraprecise optics, imaging gamma-ray detectors, advanced ultraviolet detectors, gravitational wave detectors, advanced particle and field instruments. Opportunities exist for analysis of data from current and previous space observatories, and development of advanced data system concepts (such as virtual observatories). GSFC is actively involved in the development of new missions such as JWST, TPF, SOFIA, Swift, Con-X, LISA, GLAST, Astro E2, STEREO, SDO, Solar Orbiter, MMS, GEC, and is a member of NASA's Astrobiology Institute. GSFC carries out a number of sounding rocket and balloon programs, and opportunities exist for ground-based observing from IRTF, Keck and the National Observatories.

For descriptions of Space Science Programs at GSFC, see http://space.gsfc.nasa.gov. For specific Associateship research, see http://national-academies.org/rap.

The NRC Associateship appointment, initially for one year, can extend up to three years with generous stipends. Applicants will be judged on the merit and feasibility of their proposals and relevance to

NASA programs. The deadline for applications is 1 November 2003. Application materials can be found at: http://national-academies.org/rap. For assistance contact the NRC at 202-334-2760 or email rap@nas.edu.

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aas@aas.org