



# National Science Foundation *Intergovernmental Personnel Act Vacancy*

OFFICE OF POLAR PROGRAMS  
ICECUBE PROJECT – ANTARCTIC SCIENCES SECTION  
ARLINGTON, VA 22230

**ANNOUNCEMENT NUMBER:** E20040003-IPA    **OPEN:** 10/07/2003    **CLOSE:** 11/21/2003

**This position will be filled under the terms of the Intergovernmental Personnel Act (IPA)**

**Individuals wishing to apply to the Permanent position see vacancy announcement number E20040002.**

The National Science Foundation's Office of Polar Programs (OPP) is seeking qualified candidates for the position of Program Manager for IceCube Project in the Antarctic Sciences Section and inviting individuals who might be interested in an Intergovernmental Personnel Act (IPA) assignment to submit an application. The IceCube Project is a National Science Foundation (NSF) Major Research Equipment and Facilities Construction (MREFC) activity being undertaken at the U.S. South Pole Station in Antarctica. The Project, involving construction of the IceCube Observatory, is being carried out by a consortium led by the University of Wisconsin pursuant to a cooperative agreement with NSF. The consortium includes scientists from 12 U.S. institutions as well as scientists from institutions in Germany, Sweden and Belgium. The U.S. Antarctic Program (USAP) managed by NSF is providing logistics support for the construction activity through its support contractors. The project is estimated to cost \$250 million and is expected to take 9 years to complete. The office of polar programs and the Division of Physics are joint sponsors of the Project within the National Science Foundation.

The Antarctic Sciences Section supports research in all areas of science in the Antarctica and works in close collaboration with the OPP Polar Research Support Section, other U.S. Agencies, and national programs in other countries in supporting forefront research in Antarctica. The Program Manager bears the primary responsibility for NSF oversight of the IceCube Project, working, with and chairing a project advisory team (PAT) of NSF officials drawn from various parts of the Agency. The PAT provides expert assistance in specialized areas such as financial management, contracts, legal issues, and Antarctic construction, facilities, etc. Additional information about OPP and their programs can be found at [www.nsf.gov/od/opp/start.htm](http://www.nsf.gov/od/opp/start.htm).

Initial assignments under the IPA mechanism may be made for a period of one to two years, and may be extended for a third year. Individuals eligible for an IPA assignment include employees of State and local government agencies, institutions of higher education, Indian tribal governments, federally funded research and development centers and qualified non-profit organizations involved in public management in instances where such assignments would be of mutual benefit to the organizations involved. The individual remains an employee of the home institution and cost-sharing arrangements are generally negotiated between NSF and the home institution.

**STATEMENT OF DUTIES:** The Program Manager will be responsible for the planning and administration of the program within the framework of the legislation, agency policies, missions, objectives and resources.

- Monitors Consortium development of the annual Program Plan for IceCube construction and coordinates NSF response, including review, approval and recommendations for funding. Assist in developing associated tasking to USAP logistics and science support contractors. Evaluates and approves annual Program Plans submitted by the Consortium in consultation with the PAT and other appropriate NSF elements.
- Monitors all aspects of Project performance in fulfillment of the Program Plan and cooperative agreement obligations, and initiates appropriate actions to facilitate high-quality scientific and technical performance of the project.
- Works with the South Pole Science Manager and officials in the Polar Research Section of OPP to assure appropriate integration of construction activity and operating requirements with other science and construction projects at South Pole Station and with the USAP infrastructure there.
- Organizes appropriate advisory apparatus for reviews, evaluations, and findings as needed regarding the Project initiation, performance and special problem areas.
- Advises NSF senior management, the National Science Board, the Office of Management and Budget, and other relevant entities concerning the Project.
- Advises the Director, OPP, through the Antarctic Sciences Section, of significant achievements, new trends, and developments, and potential problems related to the IceCube project.
- Serves as the Office of Polar Programs representative or liaison officer with national and international scientific committees having purview of science related to the IceCube project. Serves as the focal point for the coordination of the IceCube project plans with the programs and plans of other Foundation offices concerned, and with those of other Federal agencies.
- The incumbent will deploy to the South Pole Station annually for extended periods to review the progress of the project.
- Develops educational and other initiatives in order to promote diversity and broader impacts of the IceCube project. Pursues equal employment opportunity goals.

**QUALIFICATIONS REQUIRED:** Applicants must possess a Ph.D. or equivalent experience in physics, astrophysics, astronomy, engineering, or related field, preferably with knowledge of Antarctic physical sciences. In addition applicant must have six years of research, research administration, and/or managerial experience managing complex projects. **Deployment to the Antarctic is required. Incumbent must be able to successfully pass a physical examination according to standards used for U.S. Antarctic Program medical/dental screening for travel to Antarctica.**

**HOW TO APPLY:** Individuals interested in an IPA assignment should submit a curriculum vitae or resume, and a publication list to the National Science Foundation, Division of Human Resource Management, 4201 Wilson Boulevard, Arlington, VA 22230, Attn: E20040003-IPA. In addition, you are asked to complete and submit the attached Applicant Survey form. Submission of this form is voluntary and will not affect your application for employment. The information is used for statistical purposes only. For additional information, call Maria Sutton at (703) 292-4364. For technical information, contact Pawnee Maiden, Office of Polar Programs at (703) 292-8030. Hearing impaired individuals may call TDD (703) 292-8044.

The National Science Foundation provides reasonable accommodations to applicants with disabilities on a case-by-case basis. If you need a reasonable accommodation for any part of the application and hiring process, please notify the point of contact listed on this vacancy announcement.

**NSF IS AN EQUAL OPPORTUNITY EMPLOYER COMMITTED TO EMPLOYING A HIGHLY QUALIFIED STAFF THAT REFLECTS THE DIVERSITY OF OUR NATION.**

NATIONAL SCIENCE FOUNDATION  
APPLICANT SURVEY

OMB No. 3145-0096  
Expiration: 7/31/2005

Vacancy Ann. #: \_\_\_\_\_ Position Status (temporary/permanent): \_\_\_\_\_

Position Title/Series/Grade: \_\_\_\_\_

**INSTRUCTIONS**

Your completion of this form will be appreciated. Submission of this Information is voluntary and it will have no effect on the processing of your application. The data collected will be used only for statistical purposes to ensure that agency personnel practices meet the requirements of Federal law. Pursuant to 5 CFR 1320.5(b), an agency may not conduct or sponsor, and a person is not required to respond to an information collection unless it displays a valid OMB control number. The OMB control number for this collection is 3145-0096. NSF estimates that each respondent should take about 3 minutes to complete this survey, including time to read the instructions. You may have comments regarding this burden estimate or any other aspect of this survey, including suggestions for reducing this burden. If so, please send them to NSF Reports Clearance Officer, Division of Administrative Services, NSF, 4201 Wilson Blvd., Arlington, VA. 22230.

**PRIVACY ACT INFORMATION**

GENERAL - This information is provided pursuant to Public Law 93-579 (Privacy Act of 1974), December 31, 1974, for individuals completing Federal records and forms that solicit personal information.

AUTHORITY - Section 7201 of title 5 of the U.S. Code and Section 2000e-16 of title 42 of the U.S. Code.

**PURPOSE AND ROUTINE USES**

The information is used for research and for a Federal Equal Opportunity Recruitment Program (FEORP) to help insure that agency personnel practices meet the requirements of Federal law. Address questions concerning this form and its uses to the Privacy Act Officer, National Science Foundation, Arlington, VA 22230.

1. Today's Date: \_\_\_\_\_ 2. Year of Birth: \_\_\_\_\_

3. How did you learn about the particular position for which you are applying? (Circle appropriate number.)

- |   |   |
|---|---|
| 01 - Newspaper (specify) _____  | 10 - Federal, State or local job information center                       |
| 02 - Contact with NSF Personnel Office<br>(Agency Bulletin Board or other Announcement) | 11 - State vocational rehabilitation agency or<br>Veterans Administration |
| 03 - NSF-initiated personal contact   | 12 - State employment office  |
| 04 - Science Magazine, or other professional journal or magazine<br>(specify) _____     | 13 - School or college counselor or other official                        |
| 05 - Affirmative Action Register  | 14 - Private job Information service                                      |
| 06 - Attendance at conference, meeting or job fair<br>(specify) _____                   | 15 - Private employment service   |
| 07 - NSF recruitment at school or college   | 16 - Friend or relative working at NSF                                    |
| 08 - Colleague referral   | 17 - Friend or relative not working at NSF                                |
| 09 - NSF Bulletin   | 18 - NSF website  |
|   | 19 - Internet or other website  |
|   | 20 - Other (specify) _____  |

4. Select the ethnic category with which you most closely identify:

- A. **Hispanic or Latino.** A person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race.
- B. **Not Hispanic or Latino.**

5. Select one or more racial category with which you most closely identify:

- A. **American Indian or Alaska Native.** A person having origins in any of the original peoples of North and South America (including Central America), and who maintains tribal affiliation or community attachment.
- B. **Asian.** A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.
- C. **Black or African American.** A person having origins in any of the black racial groups of Africa.
- D. **Native Hawaiian or Other Pacific Islander.** A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.
- E. **White.** A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.

6. Sex (Circle the appropriate letter.) F - Female M - Male

7. Please provide information on your disability status by circling the appropriate category below:

- 1. I do not have a disability; 2. Hearing impairment; 3. Vision impairment; 4. Missing extremities; 5. Partial paralysis;
- 6. Complete paralysis; 7. Convulsive disorder; 8. Mental retardation; 9. Mental or emotional illness; 10. Severe distortion of limbs and/or spine; 11. I have a disability but it is not listed.

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**FOR AGENCY USE**

Agency Code: \_\_\_\_\_

**AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER**