



Building and Fostering Partnerships to Increase Participation and Diversity in STEM

The Institute for Broadening Participation
www.pathwaystoscience.org



IBP's Mission

- To make education and careers in science more accessible to students, particularly underrepresented groups
- To support faculty and administrators as they work to include students from a variety of backgrounds in their programs
- To foster an on-going exchange of ideas and resources between individuals and institutions who are working to navigate their future in the STEM fields



NASA One Stop Shop Initiative (OSSI)

The OSSI Functional Drivers:



- Implement one electronic web-based application & standard selection process



- Enhance national branding of NASA's Internship & fellowship opportunities



- Establish the OSSI Broker-Facilitator Corps and Business Manager concept



- Increase the number and diversity of interns/fellows who enter the space exploration workforce, including NASA, Industry, and Academia



OSSI Launchpad

<http://intern.nasa.gov>

One Stop Shopping Initiative (OSSI) LaunchPad

An Innovative Solution to Support the STEM Workforce of Tomorrow

NASA OFFICE OF EDUCATION
NASA HUMAN CAPITAL MANAGEMENT
NASA DIVERSITY AND EQUAL OPPORTUNITY
NASA COMMUNICATION

Check Launch to apply for Internships, Fellowships, or Scholarship Opportunities

Cuddly Launch Your One Stop Shopping Initiative Applications Here! →

NASA-Related Internships, Fellowships, or Scholarships

Click Play for Details

U.S. Citizen
Admin Login

NASA Student Ambassador Virtual Community (NSAVC)

Click Play for Details

Launch Application

ONE STOP SHOPPING INITIATIVE

ONE NASA system
ONE submitted application
ONE amazing opportunity

Introducing OSSI, NASA's ONE STOP SHOPPING INITIATIVE and SOLAR, Student On-Line Application for Recruiting interns, fellows, and scholars.

Back Home

Other NASA-Related Internships, Fellowships, or Scholarships

Click Play for Details

General Opportunities
Non-U.S. Citizen Opportunities

NASA Domestic and International STEM Outreach

Click Play for Details

Launch Application

INTERACTIVE MEDIA

SOLAR [SOLAR 2009-10](#)

NASA Student Ambassadors

NASA-related Student Research

Click Play for Details

Update Your Contact Information: NASA Interns, Fellows, and Alumni

Click Play for Details

EDUCATION STAKEHOLDER SUMMIT 2010

[Wrap Up Notes](#)
[Documents](#)
[Image Gallery](#)



Integrated Application Functionality

SOLAR – Student OnLine Application for Recruiting interns and fellows

SOLAR system
Student On-Line Application for Recruiting Interns, Fellows, and Scholars

Home Search Opportunities Log in/Register

Videos **Premiere of SOLAR** Pictures

First Time Student Users Register Current Student Users Login

NASA SOLAR Users Login (Includes 1st time Mentors)

What is SOLAR?
SOLAR is a NASA-wide system for the recruitment, application, selection and career development of undergraduate and graduate students primarily in science, technology, engineering and mathematics disciplines. Opportunities for students in other disciplines are available.

Key Features for Students
Students have the ability to search and apply for all types of NASA internship, fellowship, scholarship opportunities in one system. A single internship or fellowship application places students in the applicant pool for consideration by mentors for all NASA

Calendar for Students

- 11/01/2010 - 02/01/2011
Submit Internship Application for Summer 2011 Session
- 11/01/2010 - 02/01/2011
Submit Scholarship Application for Year Long 2011 Session
- 11/01/2010 - 02/01/2011
Submit Fellowship Application for Year Long 2011 Session

» [Read More](#)

Student Discovery

- Basic Eligibility Internships Fellowships Scholarships
- Student Assistance
- Frequently Asked Questions
- Video Tutorials for Students



SOLAR Student Functionality

Step 1: Register

Step 2: Create an Interest Profile

Step 3: Complete an application

- Complete an internship, fellowship or scholarship application, including references
- Each type of application places student in the applicant pool for consideration for all NASA internships and fellowships

Step 4: Search opportunities and select opportunities of interest

In addition to being placed in the applicant pool, students can submit their interest in up to 15 opportunities of their choice for which they would like to be considered:

Mentors will receive students' applications and may get in touch with them if they have any questions.

Students will not begin to receive offers until the application period ends for the session.



Key Features for Students

- Ability to search and apply for all types of NASA internship, fellowship, scholarship opportunities in one system
- A single internship or fellowship application places students in the applicant pool for consideration by mentors for all NASA internships or fellowships
- Assistance with application process and in understanding desired skills
- Standard application and selection processes across NASA
- Standard NASA schedule for applying to spring, summer and fall sessions
- Select up to 15 specific opportunities of interest per session
- More efficiency in NASA processes to expedite the offers
- More efficient on-boarding processes once offer is accepted
- Ability to re-apply for future sessions by updating existing application from previous session



SOLAR Mentor Functionality

Step 1: Complete a mentor profile

- Provide or update contact information, primary area of expertise and job title

Step 2: Submit your opportunities

- Create a new internship or fellowship opportunity, or modify an existing opportunity
- Submit the opportunity for approval by your organization

Step 3: Search the student applicant pool

- Search the applicant pool by various criteria
- View student applications, school transcript, and letter of recommendation
- Contact the student for additional information, if needed

Step 4: Add students to a potential candidate queue

- Create a queue of students for further consideration from your search of the applicant pool
- View students in your queue that selected your opportunity as one of their top 15 of interest

Step 5: Select and rank your top 5 student candidates

- Rank and submit your top 5 student candidates to your Center Education Office for further action



Key Dates

Student Application period for summer 2011:

11/1/2010 – 2/1/2011

Submit application for fall 2011:

2/2/2011 – 5/1/2011



Phased Approach

Sept 2010 - Phase One:

SOLAR will include all national internship and fellowships, as well as Goddard, Glenn, and Johnson center-unique opportunities

* Includes Space Grant internships at NASA Centers

April 2011 - Phase Two:

SOLAR will include national, center-unique, and mission directorate opportunities

* Includes Space Grant internships in industry and academia



NASA OSSI - Structure

Broker Facilitator Corps (BFCs) working on recruitment

- Primarily White Institutions (PWIs) – IBP
- HBCUs – UNCF Special Programs
- HSIs – Hispanic College Fund
- TCUs – American Indian Higher Education Consortium

Business Manager

- Ohio Aerospace Institute



NASA OSSI – IBP’s Goals

- Increase the number and diversity of applicants from PWIs
- Increase the geographic diversity of applicants
- Assist students in navigating SOLAR, and completing their applications
- Assist NASA internship and fellowship recipients in bridging to undergraduate programs, graduate programs, and the workforce/academe by matching students with appropriate STEM resources including NSF, NASA, and other funding sources
- Using our Student Directory, track NASA internship/fellowship recipients as they progress through their educational pathway
- Increase awareness of NASA education resources and OSSI /SOLAR among PWI faculty, staff, and administrators
- Build upon successful recruiting strategies of Centers, Mission Directorates, Space Grants



Institute for Broadening Participation
Building Partnerships to Support Diversity in Science

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