NSF Report
to the
2011 SHINE Workshop

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NSF’s Statutory Mission

“To promote the progress of science; to advance the national health, prosperity, and welfare; and to secure the national defense.”
NSF Solar Research Funding Sources

NSF Structure

Subra Suresh
NSF Director
Cora Marrett
Deputy Director

National Science Board

Edward Seidel
Assistant Director
for Mathematics and Physical Sciences

James Ulvestad
Director
Astronomical Sciences (AST)

5 Other Divisions

Michael Morgan
Director
Atmospheric and Geospace Sciences (AGS)

5 Other Directorates

Edward Seidel
Assistant Director
for Mathematics and Physical Sciences

Donald Terndrup
Stellar Astronomy
and Astrophysics

Craig Foltz
National Solar
Observatory (NSO)
NOAO

Other Astronomy Programs
Andy Clegg
Robert Fisher

Richard Behnke
Geospace Section Head

Stephen Nelson
NCAR & Facilities
Acting Section Head
NCAR/HAO

David Verardo
Acting
Atmosphere Section Head

2 Other Divisions

Kile Baker
MAG

Bob Robinson
UAF

Paul Bellaire
STR

Farzad Kamalabadi
AER

Therese Moretto
UARS Pgm Mgr
CubeSats

5 Other Divisions

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NSF Solar Research Funding Sources

Ra, The Sun God
STR Budget Detail

Millions of Dollars

$M

Congratulations, SHINE, on your continued healthy growth...!
FY2011 SHINE Competition Results

34 Unique Projects Submitted; 39 Proposals Involved!

FY2011 Awardees in Surname Alphabetical Order:

David Alexander, Rice University
Paul Bellan, Caltech
Ulisse Bravar, University of New Hampshire
Qian Hu, University of Alabama, Huntsville
Lan Jian, UCLA
Rudolph Komm, National Solar Observatory
Daniel Savin, Columbia University

CONGRATULATIONS TO ALL!!

Total SHINE Expenditures in FY11: $2.63M
~$1.0M expected to ‘free up’ in FY12
The new updated SHINE web site provides guidance to the solar community concerning the distinction between topics chosen for the SHINE workshop sessions and topics suitable for submission to the NSF as SHINE proposals – the two concepts are not identical!

There is no longer a separate SHINE Postdoc program – it has been subsumed under the AGS Division’s Postdoctoral Research Fellowship (AGS-PRF) program (web address below). All AGS-PRF applicants must be US citizens or ‘green card’ holders because they will receive funding directly, without any institution as an intermediary.

http://www.shinecon.org/

The NSF’s Directorate for Education and Human Resources has funded the Pacific Science Center in Seattle, Washington to promote informal science education at regional museums and to develop active researchers as ambassadors and communicators for science. Key activities of the project include the Portal to the Public (bringing scientists and the public together) and the Science Communication Fellowships (providing interested scientists with the skills needed to effectively engage the public).

Interested researchers should visit the Portal to the Public web site given below:

http://www.pacificsciencecenter.org/Portal-to-the-Public/portal
The NSF’s Directorate for Education and Human Resources has also funded the Zooniverse online project to promote “citizen science.” The Zooniverse concept is designed to provide private citizens with an opportunity to assist in the analysis of extremely large datasets. Science thus benefits by exploiting the unique discriminating power of the human mind and “the wisdom of crowds.” This form of “citizen science” is a powerful tool for education. Interested researchers should visit the Zooniverse web site given below:

http://www.zooniverse.org
Other STR Interest Items

The transfer of responsibility for NSO and ATST from NSF Astronomical Sciences (AST) to NSF Atmospheric and Geospace Sciences (AGS) is still a ‘work in progress.’ Please stand by!

The National Space Weather Program will be refocused and restructured for FY2012, hopefully with an interagency emphasis. Please keep an eye on the AGS web site for updates!

“NSF relies on the judgment of external experts to maintain high standards of program management, to provide advice for continuous improvement of NSF performance, and to ensure openness to the research and education community served by the Foundation. Committee of Visitors (COV) reviews provide NSF with external expert judgments in two areas:

(1) assessments of the quality and integrity of program operations and program-level technical and managerial matters pertaining to proposal decisions; and

(2) comments on how the outputs and outcomes generated by awardees have contributed to the attainment of NSF's mission and strategic outcome goals.”

“COV reviews are conducted at regular intervals of approximately three years for programs and offices that recommend or award grants, cooperative agreements, and/or contracts and whose main focus is the conduct or support of NSF research and education in science and engineering.”

You can find previous AGS Geospace Section COV reports here: http://www.nsf.gov/od/ova/activities/cov/covs.jsp
Important Info for All Proposers


Proposal & Award Policies & Procedures Guide

NSF 11-1

Read and Heed!! →

THE NATIONAL SCIENCE FOUNDATION

PROPOSAL AND AWARD POLICIES AND PROCEDURES GUIDE

OCTOBER 2010
EFFECTIVE JANUARY 18, 2011
NSF 11-1
OMB Control Number: 3145-0058

→
Awardees’ Reports to the NSF

- In addition to your Final Report to the NSF, you must now submit ‘Project Outcomes’ online for the public, at http://www.research.gov

- Your Annual Reports become due 90 days BEFORE your award anniversary date, and are overdue on “anniversary date+1” (Colorful graphics preferred! ...)

- Your funding increment – and that of any of your current Co-PIs on any NSF grant – is delayed until your annual report is approved!

- Please submit a No Cost Extension if you cannot expend your annual budget due to unforeseen circumstances – do not just delay the submission of your annual report ...
Unless you’ve been informed that your review is for a special competition or a specific panel, your review is for a proposal submitted to my core STR program. I need to obtain a minimum of 3 written reviews within 6 months.

[SOLICITED]

Solicited NSF competitions have deadlines and are reviewed by panels. However, reviews for unsolicited STR proposals are strictly mail-in, and do not have hard deadlines (other than the NSF’s ‘de facto’ 6 month rule). I would prefer to receive a delayed review than none at all!

[PLEASE HELP ...!]
When you provide a review, you are not doing me or the NSF a ‘favor’ – you are performing a key role expected of all scientists! No one can be funded without reviews. The merit review process requires your participation to function. All reviewers benefit by remaining on the cutting edge of research topics and ideas – and by helping their colleagues & community.

Some of you who cannot be funded by the NSF (by order of Congress, not by my whim!) feel you have no obligation to the community to provide the NSF with reviews. This odd and erroneous belief is non-collegial at best and unprofessional at worst.

I routinely receive reviews from foreign colleagues who will NEVER receive NSF funding! They understand the meaning of a “solar physics community” – shame on those of you who do not...