

Centers will be required to provide data to NSF and its authorized representatives (contractors or grantees). These data will be used for NSF internal reports, historical data, and for securing future funding for continued I/UCRC program maintenance and growth. Updates to the IUCRC database of performance indicators will be required annually. Centers will be responsible for submitting the following information after the award expires for their fiscal year of activity. The indicators are both quantitative and descriptive.

- Quantitative information from the most recently completed fiscal year such as:
  - Number and diversity of students, faculty, and industrial numbers involved in the center
  - Degrees granted to students involved in center activities
  - Amounts and sources of income to the center, and
  - Lists of patents, licenses, and publications created
- Operating budget and total funding:
  - Total funding
  - NSF I/UCRC funding received
  - Other NSF funding received
  - Additional support broken down by Industry, State, University, Other Federal, Non-Federal and other support
- Capital and in-kind support:
  - Equipment
  - Facilities
  - Personnel
  - Software
  - Other support
- Human resources:
  - Researchers (number of faculty scientists and engineers, number of non-faculty scientists and engineers)
  - Students (number of graduates, number of undergraduates)
  - Administration, number of full and part time professional and clerical staff
  - Information about broadening participation on the above with plans to increase broadening participation, if necessary
- Center director descriptors:
  - Position and rank of director
  - Status of tenure
  - Name and position of the person to whom the center director reports
  - Estimate of the percent of time the director devotes to center administration, other administration, research, teaching, other
- Center outcomes:
  - Students receiving degrees and type degree earned
  - Students hired by industry by type

of degree

- Publications
    - Number with center research
    - Number with Industrial Advisory Board Members
    - Number of presentations
  - Intellectual property events:
    - Invention disclosures
    - Patent applications
    - Software copyrights
    - Patents granted and derived or both
    - Licensing agreements
    - Royalties realized
- I/UCRCs will also include evaluation conducted by independent evaluators who cannot be from the department(s) with the institution(s) receiving funding for the I/UCRC award. The center evaluator will be responsible for:
- Preparing an annual report of center activities with respect to industrial collaboration
  - Conducting a survey of all center participants to probe the participant satisfaction with center activities
  - Compiling a set of quantitative indicators determined by NSF to analyze the management and operation of the center
  - Participating in I/UCRC center and informational meetings
  - Reporting to NSF on the center's status using a checklist provided by NSF to help determine if the center is adhering to the IUCRC policy and guidelines
  - Bi-annual reporting to NSF
  - Reporting to NSF within a month of each Industrial Advisory Board meeting on the top research highlights, technology transfer, patents, and major discoveries that demonstrate successful investments
  - Performing exit interviews to determine why members chose to withdraw from the center
  - Participating in continuous quality process improvement by providing information to the NSF I/UCRC program

*Use of the Information:* The data collected will be used for NSF internal reports, historical data, and for securing future funding for continued I/UCRC program maintenance and growth.

*Estimate of Burden:* 8 hours per center (201 sites) for 71 centers for a total of 1,608 hours.

*Respondents:* Industry, academic institutions; non-profit institutions; government.

*Estimated Number of Responses per Report:* One from each of the 201 sites.

Dated: February 7, 2017.

**Suzanne H. Plimpton,**

*Reports Clearance Officer, National Science Foundation.*

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## NATIONAL SCIENCE FOUNDATION

### Astronomy and Astrophysics Advisory Committee; Notice of Meeting

In accordance with the Federal Advisory Committee Act (Pub. L. 92-463, as amended), the National Science Foundation (NSF) announces the following meeting:

*Name:* Astronomy and Astrophysics Advisory Committee (#13883).

*Date and Time:* June 22, 2017; 12:00 p.m.–4:00 p.m. EDT (via Teleconference).

*Place:* National Science Foundation, Room 390, Stafford I Building, 4201 Wilson Blvd., Arlington, VA 22230.

#### Dial-In Information

To join via Browser: <https://bluejeans.com/996692403/browser>.

To join via phone:  
 (1) Dial: +1.408.740.7256; +1.888.240.2560; or +1.408.317.9253 (see all numbers—<http://bluejeans.com/numbers?ll=en>).

(2) Enter Conference ID: 996692403.

*Type of Meeting:* Open.

*Contact Person:* Dr. Ralph Gaume, Acting Division Director, Division of Astronomical Sciences, Suite 1045, National Science Foundation, 4201 Wilson Blvd., Arlington, VA 22230. Telephone: 703-292-2335.

*Purpose of Meeting:* To provide advice and recommendations to the National Science Foundation (NSF), the National Aeronautics and Space Administration (NASA) and the U.S. Department of Energy (DOE) on issues within the field of astronomy and astrophysics that are of mutual interest and concern to the agencies.

*Agenda:* To hear presentations of current programming by representatives from NSF, NASA, DOE and other agencies relevant to astronomy and astrophysics; to discuss current and potential areas of cooperation between the agencies; to formulate recommendations for continued and new areas of cooperation and mechanisms for achieving them.

Dated: February 7, 2017.

**Crystal Robinson,**

*Committee Management Officer.*

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