

Division of Mathematical Sciences (DMS)

Welcome to our Virtual Office Hour!

Date: February 15, 2022

Welcome to the DMS Virtual Office Hour. We will begin soon.

Please submit general questions via the Q&A box
available to you on Zoom.

Moderators (VOH team): Jennifer Connell, J. Matthew Douglass,
Constanze Liaw, LaWanda Myers, Swatee Naik, Adriana
Salerno, Chris Stark, David Waldner



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Opportunities and upcoming deadlines

- DMS funding opportunities <https://www.nsf.gov/funding/programs.jsp?org=DMS>
- Upcoming full proposal deadlines
https://www.nsf.gov/funding/pgm_list.jsp?ord=date&org=NSF&sel_org=DMS&status=1
 - [MPS-Ascend External Mentoring \(MPS-Ascend EM\)](#): 2/15
 - [Internet Measurement Research: Methodologies, Tools, and Infrastructure \(IMR\)](#): 2/15
 - [Algorithms for Threat Detection \(ATD\)](#): 2/16
 - [NSF-CBMS Regional Research Conferences in the Mathematical Sciences](#): 4/29
 - [Research Training Groups in the Mathematical Sciences \(RTG\)](#): 6/7



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Today's Agenda

Program Directors present (and topics discussed) include

- Juan C. Meza (Division Director; General Update, Introduction of Division Director to-be: David Manderscheid)
- Sandra Spiroff and Judy Huixia Wang (Broader Impacts)
- Chris Stark (RUI/ROA)
- Live answering of some questions from the Q&A box (on all above topics)

Subscribe to DMSNEWS:

Send email to listserv@listserv.nsf.gov
In the body of the message, put the following command:
subscribe dmsnews [your name]

Suggest a topic for future VOH:

Send email to dms-voh@nsf.gov



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Update – February 15, 2022

- General DD Update
- NSF 22-569 solicitation: The Algorithms for Modern Power Systems (AMPS) program
- For questions regarding [MPS-High DCL](#), please contact the Program Officer managing the award
- Introduction Division Director to-be: David Manderscheid



Broader Impacts

- **full participation** of women, persons with disabilities, and individuals from underrepresented minority groups in science, technology, engineering, and mathematics (STEM);
- improved **STEM education** and educator development at any level;
- increased public **scientific literacy** and **public engagement** with science and technology;
- improved well-being of individuals in society;
- development of a diverse, **globally competitive** STEM workforce;
- increased **partnerships** between academia, industry, and others;
- improved national security;
- increased economic competitiveness of the U.S.;
- use of science and technology to inform **public policy**;
- **enhanced infrastructure** for research and education



Broader Impact Resources

- <https://www.nsf.gov/oia/special/broaderimpacts/>
- <https://www.nsf.gov/od/oia/special/broaderimpacts/>
- <https://www.nsf.gov/pubs/2002/nsf022/bicexamples.pdf>
- <https://beta.nsf.gov/science-matters/nsf-101-five-tips-your-broader-impacts-statement>
- <https://www.nsf.gov/od/oia/special/broaderimpacts/broader-impacts-video.jsp>



Broader Impacts: Questions from registration

1. Are Broader Impacts for PIs with recent Ph.D.s evaluated differently?
2. Do expectations change with career stage?
3. Does every PI have to include certain basic broader impact activities?
4. Should broader impacts be discussed in general or specific terms?
5. If a PI collaborates across mathematical disciplines, is it considered a broader impact?
6. How long should the broader impacts section be?
7. Can a PI request funding for broader impact activities?
8. Do the broader activities have to be directly related to the research of the proposal?
9. Should a PI focus on past or future accomplishments?
10. Should a PI provide letters of collaboration if external people/organizations will be involved?



Research in Undergraduate Institutions (RUI)/ Research Opportunity Awards (ROA)

- Combined RUI/ROA Solicitation, NSF 14-579 ([Facilitating Research at Primarily Undergraduate Institutions](#)) (or search for “nsf.gov 14-579”)
- RUI proposals support faculty at predominantly undergraduate institutions (PUI) in research that engages them in their professional field(s), builds capacity for research at their home institution, and supports the integration of research and undergraduate education.
- The RUI opportunity is offered NSF-wide and these awards are funded within research and education programs – no separate financial allocation. Submit proposals to regular programs at their usual due dates, with RUI certification and impact documents.
- RUI proposals are evaluated and funded by NSF programs in the disciplinary areas of the proposed research.



Reviewing RUI Proposals

- RUI proposals are evaluated with all other proposals submitted to a given program in accordance with the Foundation's merit review procedures. Special reviewer instructions call attention to the RUI Impact Statement and the special circumstances under which PUI investigators work. Reviewers are also asked to recognize that the publication rate of PUI investigators and the pace of their research may be slower than at a major research university.
- The solicitation gives examples of distinctive impacts that may be seen in an RUI proposal - see “Additional Solicitation Specific Review Criteria.”

RUI / ROA: Questions from registration

1. What is a Research Opportunity Award (ROA)?
2. Must an RUI proposal include REU activities?
3. Can I search for existing RUI awards in DMS?
4. Does DMS employ program officers with PUI backgrounds?



Q&A live answers

Live answering of some questions from the Q&A box (on all above topics)



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Virtual Office Hour: Thank you

- For slides and recently asked questions, see <https://www.nsf.gov/mps/dms/presentations.jsp>
- Submit questions/suggestions to DMS-VOH@nsf.gov
- Next DMS VOH are Tuesday, March 15 at 2:00PM EDT
 - Remarks by new Division Director (David Manderscheid), Reporting and award conditions for NSF conference grants, Research Training Groups (RTG).
 - Questions can be submitted in advance on the registration form.
- Updates on future Virtual Office Hour topics to be announced https://www.nsf.gov/events/index.jsp?org=NSF&event_type=12&orgToSearch=MPS&month=&year=2022

