

Division of Mathematical Sciences (DMS)

Welcome to our Virtual Office Hour!

Date: March 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
 - [NSF-CBMS Regional Research Conferences in the Mathematical Sciences](#): 4/29
 - [Algorithms for Modern Power Systems \(AMPS\)](#) 5/11
 - [Pathways to Enable Open-Source Ecosystems \(POSE\)](#) 5/12
 - [Research Training Groups in the Mathematical Sciences \(RTG\)](#): 6/7
 - [NSF-Simons Collaboration on a National Institute for Theory and Mathematics in Biology \(NITMB\)](#) 7/18



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Today's Agenda

Program Directors present (and topics discussed) include

- David Manderscheid (Division Director; General Update)
- Joanna Kania-Bartoszyńska (Research Training Groups)
- Chris Stark (Conference Proposal and Reporting Documents)
- Live answering of some questions from the Q&A box (on topics above)

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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Introducing David Manderscheid

- BS, Michigan State, and PhD, Yale, with Roger Howe
- Representation Theory of p-adic Groups, Theta Correspondences, Langlands Program
- Over 10M in funding as PI, or co-PI: NSF, NSA, DoEd, including PI on a VIGRE award
- Inaugural Fellow of the AMS and Fellow of AAAS



Administrative Experience

- Chair, Iowa
- Dean of Arts and Sciences, Nebraska
- Executive Dean of Arts and Sciences, Ohio State
- Provost, Tennessee
- Committee of Visitors, DMS



Themes at DMS

- Strengthening the research enterprise
- The missing millions
- Working across boundaries



Research Training Groups in the Mathematical Sciences (RTG)

- **Website (contains link to current solicitation NSF 20-608):**
https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5732
- **Solicitation updates include:**
 - Graduate students: professional training including teaching **or** industry **or** lab.
 - Post-doc Ph.D. year requirement is relaxed.
 - Clarifies that all PAPPG requirements hold.
- **Program Officers for DMS:**
Joanna Kania-Bartoszyńska (jkaniaba@nsf.gov)
Eun Heui Kim (eukim@nsf.gov)
Constanze Liaw (cliaw@nsf.gov)
Andrew D. Pollington (adpollin@nsf.gov)
- **Submission Deadline:** June 7, 2022 (NSF 20-608)
First Tuesday in June, annually thereafter



NSF-RTG: Overview

Program goal: Increase the number of well-prepared U.S. citizens, nationals, and permanent residents who pursue careers in the mathematical sciences, be they in academia, government, or industry.

Program highlights:

- Three to five-year awards, up to \$500K/year.
- Limited faculty salary. No citizenship/permanent resident requirement for PIs.
- Travel, conference, consultant support.
- **Vertical integration:** undergraduate research, graduate traineeships, 3-yr post-doc positions. Funded trainees have citizenship/permanent resident requirements.
- Integration of research, education, professional development.
- Recruitment and retention, assessment.
- Post-RTG sustainability plan.



NSF-RTG: FAQ

1. Are RTG proposals reviewed by a panel? Who are the typical panelists?
2. What do reviewers look for in terms of “vertical integration”?
3. What are the expectations for the proposal, e.g., regarding assessment?
4. Can an institution with a master’s (but no Ph.D.) program apply?
5. Are collaborative RTG proposals encouraged? How about collaborations between institutions with different focus (e.g., top research, PUI, HBCU, minority serving)?
6. Should a proposal include letters of collaboration if external people/organizations will be involved?



Overview of NSF Documents on Conference Proposals and Reporting

- Conference proposals to DMS are submitted to individual programs, which announce their own due dates. See the [DMS home page](#).
- The DMS solicitation is *Conferences and Workshops in the Mathematical Sciences*, [NSF 21-541](#). Write to the bullets here if you are drafting a proposal. This is revised periodically.
- The *Proposal & Award Policies & Procedures Guide* (PAPPG, currently [NSF 22-1](#)) has NSF-wide requirements for conference proposals. This is revised annually and may include items too recent for the DMS conference solicitation.
- Conference awards are subject to distinctive requirements: see *Administration of NSF Conference or Group Travel Award Grant Conditions* (FL 26). This is revised almost annually and you should consult the NSF page on Special Conditions for [the latest version](#). (Search "nsf.gov special conditions" – "FL 26" may return an old edition.)



NSF Conference Award Conditions

A link to the special conditions document FL 26 is included in the conference award letter to an institution and might not be provided automatically to the principal investigator, but FL 26 announces duties for P.I.s.

P.I.s should consult FL 26 for requirements on selection of participants, travel, harassment-free environments, and reporting.

“The report should include: (1) a description of the participant selection process; (2) a list of persons for whom travel funds were provided; (3) their organizational addresses; (4) the sum awarded; and (5) information on the conference including number of persons attending, total number of U.S. participants, and other countries represented, highlights of the program and general reaction of the U.S. participants supported under the travel grant.”



NSF Conference Documents: Frequently Asked Questions

1. Travel restrictions
2. Adjustments for COVID-19
3. Review process
4. Foreign conferences
5. Finding recent conference awards

Award search in [research.gov](https://www.research.gov)

- a) Select Advanced Search
- b) NSF Organization = “DMS”
- c) Reference Code = “7556” or do a Keyword search on “conference”
- d) a time interval of interest.



Questions from the Webinar Q&A Channel

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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 Friday, April 15 at 2:00PM EDT
 - Tentative topics: CAREER, Focused Research Groups, REU sites
 - 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=2020

