

# Mathematics Opportunities

Listings for upcoming math opportunities to appear in Notices may be submitted to [notices@ams.org](mailto:notices@ams.org).

## AMS-Simons Travel Grants Program

Starting February 1, 2018, the AMS will begin accepting applications for the AMS-Simons Travel Grants program, with support from the Simons Foundation. Grants provide early-career mathematicians with US\$2,000 per year for two years to reimburse travel expenses. Apply at [www.mathprograms.org](http://www.mathprograms.org). The deadline is **March 31, 2018**.

—AMS announcement

## Simons Foundation Collaboration Grants for Mathematicians

The Simons Foundation invites applications for Collaboration Grants for Mathematicians (US\$8,400 per year for five years). The application deadline is **January 31, 2018**. See [tinyurl.com/zvoqm5t](http://tinyurl.com/zvoqm5t).

—From a Simons Foundation announcement

## \*NSF Collaborative Research in Computational Neuroscience

The National Science Foundation, the National Institutes of Health, the German Federal Ministry of Education and Research, the French National Research Agency, the United States-Israel Binational Science Foundation, and Japan's National Institute of Information and Communications Technology support collaborative activities advancing the understanding of nervous system structure and function, mechanisms underlying nervous system disorders, and computational strategies used by the nervous system. The deadline for full proposals is **January 5, 2018**. See [nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5147](http://nsf.gov/funding/pgm_summ.jsp?pims_id=5147).

—From an NSF announcement

## \*NSF Major Research Instrumentation Program

The National Science Foundation Major Research Instrumentation program helps institutions of higher education or nonprofit organizations increase access to shared scientific and engineering instruments for research and research training. The deadline is **January 10, 2018**; see [www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5260&org=MPS&sel\\_org=MPS&from=fund](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5260&org=MPS&sel_org=MPS&from=fund).

—From an NSF announcement

## \*NSF Algorithms for Threat Detection Program

The Algorithms for Threat Detection (ATD) program will support research projects to develop the next generation of mathematical and statistical algorithms for analysis of large spatiotemporal datasets with application to quantitative models of human dynamics. The program is a partnership between the Division of Mathematical Sciences (DMS) at the National Science Foundation and the National Geospatial Intelligence Agency. The deadline for full proposals is **February 20, 2018**. See [www.nsf.gov/funding/pgm\\_summ.jsp?pimsid=503427&org=DMS&sel\\_org=DMS&from=fund](http://www.nsf.gov/funding/pgm_summ.jsp?pimsid=503427&org=DMS&sel_org=DMS&from=fund).

—From an NSF announcement

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*\*The most up-to-date listing of NSF funding opportunities from the Division of Mathematical Sciences can be found online at: [www.nsf.gov/dms](http://www.nsf.gov/dms) and for the Directorate of Education and Human Resources at [www.nsf.gov/dir/index.jsp?org=ehr](http://www.nsf.gov/dir/index.jsp?org=ehr). To receive periodic updates, subscribe to the DMSNEWS listserv by following the directions at [www.nsf.gov/mps/dms/about.jsp](http://www.nsf.gov/mps/dms/about.jsp).*

## PIMS Education Prize

The Pacific Institute for the Mathematical Sciences (PIMS) annually awards a prize to a member of the PIMS community who has made a significant contribution to education in the mathematical sciences. The deadline for nominations is **March 15, 2018**. See [www.pims.math.ca/pims-glance/prizes-awards](http://www.pims.math.ca/pims-glance/prizes-awards).

—From a PIMS announcement

## CAIMS/PIMS Early Career Award

The Canadian Applied and Industrial Mathematics Society (CAIMS) and the Pacific Institute for Mathematical Sciences (PIMS) sponsor the Early Career Award in Applied Mathematics to recognize exceptional research in applied mathematics, interpreted broadly, by a researcher fewer than ten years past earning a PhD. The nominee's research should have been conducted primarily in Canada or in affiliation with a Canadian university. The deadline for nominations is **January 31, 2018**. See [www.pims.math.ca/pims-glance/prizes-awards](http://www.pims.math.ca/pims-glance/prizes-awards).

—From a PIMS announcement

## \*NSF Mathematical Sciences Graduate Internship Program

The Oak Ridge Institute for Science and Education (ORISE) is accepting applications for the National Science Foundation Mathematical Sciences Graduate Internship Program, a ten-week summer program for graduate students pursuing a doctoral degree in mathematics, statistics, or applied mathematics. Call for applications closes **February 1, 2018**. See [orise.orau.gov/nsf-msgi](http://orise.orau.gov/nsf-msgi).

—From an ORISE announcement

## Modeling with Differential Equations Competition

SIMIODE (Systemic Initiative for Modeling Investigations and Opportunities with Differential Equations) announces the first annual Student Competition Using Differential Equation Modeling (SCUDEM), to be held on April 21, 2018. Registration for student teams and the faculty development workshop opens on **February 1, 2018**. SCUDEM is hosted at local sites around the United States and beyond. For complete details see [www.simiode.org](http://www.simiode.org).

—SIMIODE announcement



### MATHEMATICAL SCIENCE OPPORTUNITIES FROM THE AMS

The AMS Online Opportunities Page provides another avenue for the math community to **Announce** and **Browse**:

- Calls for fellowship appointments
- Prize and award nominations
- Grant applications
- Meeting and workshop proposals

**search now!**

[www.ams.org/opportunities](http://www.ams.org/opportunities)