Mathematics Opportunities

AMS Mary P. Dolciani Prize for Excellence in Research

The AMS announces the competition for the inaugural Mary P. Dolciani Prize for Excellence in Research, recognizing a mathematician with a distinguished record of scholarship from a department that does not grant the PhD degree. The primary criterion for the prize is an active research program as evidenced by a strong record of peer-reviewed publications. The prize carries a cash award of US$5,000. The deadline for nominations is **June 30, 2018**. See www.ams.org/profession/prizes-awards /ams-prizes/dolciani-prize.

—AMS announcement

Call for Nominations for the SASTRA Ramanujan Prize

The Shanmugha Arts, Science, Technology, Research Academy (SASTRA) is seeking nominations for the 2018 SASTRA Ramanujan Prize, awarded to a mathematician not exceeding the age of thirty-two for outstanding contributions in an area of mathematics influenced by the late Indian mathematical genius Srinivasa Ramanujan. It carries a cash prize of US$10,000. The deadline for nominations is **July 31, 2018**. See the website qseries.org /sastra-prize/nominations-2018.html.

—Krishnaswami Alladi, University of Florida

Call for Nominations for the 2019 Hans Schneider Prize

The International Linear Algebra Society awards the Hans Schneider Prize once every three years to individuals who have made distinguished contributions to linear algebra. Nominations are sought for the 2019 prize. Nominations should be sent before **December 1, 2018**, to the Chair of the Prize Committee at rajendra.bhatia@ashoka.edu. in. See www.ilasic.org/misc/lecturers.html.

—Peter Semrl, University of Ljubljana

NSF Mathematical Sciences Postdoctoral Research Fellowships

The National Science Foundation (NSF) solicits proposals for the Mathematical Sciences Postdoctoral Research Fellowships. The deadline for full proposals is **October 17, 2018**. See www.nsf.gov/funding/pgm_summ.jsp?pims _id=5301.

—From an NSF announcement

NSF CAREER Awards

The National Science Foundation (NSF) solicits proposals for the Faculty Early Career Development Awards. The deadline for full proposals is **July 20, 2018**. See www.nsf .gov/funding/pgm_summ.jsp?pims_id=503214.

—From an NSF announcement

NSF Mathematical Sciences Innovation Incubator

The Mathematical Sciences Innovation Incubator (MSII) activity of the National Science Foundation (NSF) provides funding to support the involvement of mathematical scientists in research areas in which the mathematical sciences

are not yet playing large roles—for example, security and resilience of critical infrastructure, emerging technologies, innovative energy technology, and foundational biological and health research. For details, see www.nsf.gov/funding/pgm_summ.jsp?pims_id=505044.

—From an NSF announcement

IMA Prize in Mathematics and Its Applications

The Institute for Mathematics and Its Applications (IMA) awards the annual Prize in Mathematics and its Applications to an individual who has made a transformative impact on the mathematical sciences and their applications. The deadline for nominations is **July 20, 2018**. See www.ima.umn.edu/prize.

—From an IMA announcement

Fulbright Israel Postdoctoral Fellowships

The United States-Israel Educational Foundation (USIEF) plans to award eight fellowships to American postdoctoral scholars who seek to pursue research at Israeli institutions of higher education. The deadline for applications is **August 1, 2018**. See fulbright.org.il/content/fulbright-post-doctoral-fellowships.

—From a USIEF announcement

News from MSRI

With support from the National Science Foundation, the National Security Agency, academic departments, private foundations, and individuals, the Mathematical Sciences Research Institute (MSRI) will hold a number of workshops during the fall of 2018.

Established researchers, postdoctoral fellows, and graduate students are invited to apply for funding. MSRI actively seeks to achieve diversity in its workshops. Thus a strong effort is made to remove barriers that hinder equal opportunity, particularly for those groups that have been historically underrepresented in the mathematical sciences. MSRI has a resource to assist visitors with finding child care. Contact Sanjani Varkey at sanjani@msri.org. The workshops are as follows:

August 16–17, 2018: Connections for Women: Hamiltonian Systems, from Topology to Applications through Analysis.
www.msri.org/workshops/859

August 20–24, 2018: Introductory Workshop: Hamiltonian Systems, from Topology to Applications through Analysis.
www.msri.org/workshops/860

October 1–5, 2018: Hot Topics: Shape and Structure of Materials.
www.msri.org/workshops/900

October 8–12, 2018: Hamiltonian Systems, from Topology to Applications through Analysis I.
www.msri.org/workshops/871

November 26–30, 2018: Hamiltonian Systems, from Topology to Applications through Analysis II.
www.msri.org/workshops/872

—MSRI announcement

Frontiers for Young Minds: An Invitation

I would like to invite the mathematics research community to become involved with a new and rather unusual publishing outlet. *Frontiers for Young Minds* (See kids.frontiersin.org) is a free, open-access scientific journal with articles written by scientists for an audience of children and teens (ages 8–15). A distinctive feature of the journal is that submitted articles are reviewed not by the authors' peers, but by kids themselves, working under the guidance of experts.

Frontiers for Young Minds was founded in 2013 and has well-established sections in areas such as biodiversity, geoscience, and neuroscience. The newest section, of which I am the chief editor, is Understanding Mathematics. I believe that we need to do a better job of showing non-professionals the beauty and power of mathematics, and the earlier we start the better. I also believe that with enough care and craft, it is possible to communicate serious mathematics to a young audience.

All mathematicians are invited to contribute an article, whether on original research or on established topics.

— Jeremy Martin
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