
Mathematics Opportunities

AMS-AAAS Mass Media Summer Fellowships

The American Mathematical Society provides support each year for a graduate student in the mathematical sciences to participate in the American Association for the Advancement of Science (AAAS) Mass Media Science & Engineering Fellows Program. This summer fellowship program pairs graduate students with major media outlets nationwide where they will research, write, and report on science news and use their skills to bring technical subjects to the general public.

The principal goal of the program is to increase the public's understanding of science and technology by strengthening the connection between scientists and journalists to improve coverage of science-related issues in the media. Past AMS-sponsored fellows have held positions at National Public Radio, *WIRED*, *Scientific American*, Voice of America, *The Oregonian*, and the *Milwaukee Journal Sentinel*.

Fellows receive a weekly stipend of US\$500, plus travel expenses, to work for ten weeks during the summer as reporters, researchers, and production assistants in newsrooms across the country. They observe and participate in the process by which events and ideas become news, improve their ability to communicate about complex technical subjects in a manner understandable to the public, and increase their understanding of editorial decision making and of how information is effectively disseminated. Each fellow attends an orientation and evaluation session in Washington, D.C., and begins the internship in mid-June. Fellows submit interim and final reports to AAAS. A wrap-up session is held at the end of the summer.

Mathematical sciences faculty are urged to make their graduate students aware of this program. The deadline to apply for fellowships for the summer of 2015 is **January 15, 2015**. Further information about the fellowship program and application procedures is available online at <http://www.aaas.org/program/aaas-mass-media-science-engineering-fellows-program> or applicants may contact Dione Rossiter, Project Director, AAAS Mass Media Science & Engineering Fellows Program, 1200 New York Avenue, NW, Washington, DC 20005; telephone 202-326-6645; email drossite@aaas.org. Further information is also available at <http://www.ams.org/programs/ams-fellowships/media-fellow/massmediafellow>.

—AMS Washington Office

Call for Proposals for the 2016 AMS Short Courses

The AMS Short Course Subcommittee invites submissions of preliminary proposals for Short Courses to be given at the 2016 Joint Mathematics Meetings. Members are also invited to submit names of colleagues who they think would conduct an inspiring Short Course. A Short Course consists of a coherent sequence of survey lectures and discussions on a single theme of applied mathematics. A Short Course ordinarily extends over a period of two days immediately preceding the Joint Mathematics Meetings held in January. Preliminary proposals may be as short as one page. After reviewing the preliminary proposals, the subcommittee may ask for more details from some of the proposers. Proposals should be sent via email to aed-mps@ams.org. For full consideration for the 2016 Short Courses, proposals should be submitted by Friday, **December 19, 2014**.

—AMS Associate Executive Director

NSF Mathematical Sciences Postdoctoral Research Fellowships

The National Science Foundation (NSF) offers a program known as the Mathematical Sciences Postdoctoral Research Fellowships (MSPRF). The purpose of the program is to support future leaders in mathematics and statistics by facilitating their participation in postdoctoral research environments that will have maximal impact on their future scientific development. There are two options for awardees: Research Fellowship and Research Instructorship. Awards will support research in areas of mathematics and statistics, including applications to other disciplines.

Proposals are due by **October 15, 2014**. For further information, visit the NSF website at <http://www.nsf.gov/pubs/2014/nsf14582/nsf14582.htm>.

—From an NSF program announcement

NSF Conferences and Workshops in the Mathematical Sciences

The National Science Foundation (NSF) supports conferences, workshops, and related events (including seasonal schools and international travel by groups). Proposals for conferences, workshops, or conference-like activities may request funding of any amount and for durations of up to three years. Proposals may be submitted only by universities and colleges and by nonprofit nonacademic institutions. For full information, including deadlines for each disciplinary program, see the website http://www.nsf.gov/pubs/2010/nsf10578/nsf10578.htm?WT.mc_id=USNSF_25&WT.mc_ev=click.

—From an NSF announcement

NSF Project ADVANCE

The goal of the National Science Foundation’s (NSF) ADVANCE program is to increase the representation and advancement of women in academic science and engineering careers, thereby contributing to the development of a more diverse science and engineering workforce. ADVANCE encourages institutions of higher education and the broader science, technology, engineering, and mathematics (STEM) community, including professional societies and other STEM-related not-for-profit organizations, to address various aspects of STEM academic culture and institutional structure that may differentially affect women faculty and academic administrators.

Since 2001, the NSF has invested over US\$130 million to support ADVANCE projects at more than one hundred institutions of higher learning and STEM-related not-for-profit organizations in forty-one states, the District of Columbia, and Puerto Rico.

Additional information about ADVANCE programs, as well as application deadlines, can be found at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5383.

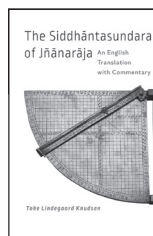
—From an NSF announcement

News from MSRI

MSRI invites applications for 200 Research Members, and thirty semester-long Post-Doctoral Fellows in the following programs: New Challenges in PDE: Deterministic Dynamics and Randomness in High and Infinite Dimensional Systems (August 17–December 18, 2015) and Differential Geometry (January 11–May 20, 2016). Research Memberships are intended for researchers who will be making contributions to a program and who will be in residence for one or more months. Post-Doctoral Fellowships are intended for recent Ph.D.’s. Interested individuals should carefully describe the purpose of their proposed visit, and indicate why a residency at MSRI will advance their

research program. To receive full consideration, application must be complete, including all letters of support, by the following deadlines: Research Memberships, December 1, 2014; Post-doctoral Fellowships, December 1, 2014. Application information can be found at <https://www.msri.org/web/msri/scientific/member-application>. It is the policy of MSRI actively to seek to achieve diversity in its programs and 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 is proud to announce a new resource to assist visitors with finding childcare in Berkeley. For more information, please contact Sanjani Varkey at sanjani@msri.org. Programs funded by the National Science Foundation.

—From an MSRI announcement

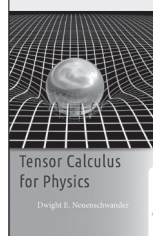


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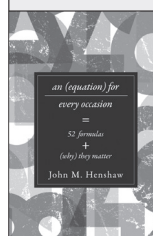


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