
Mathematics Opportunities

AMS-AAAS Mass Media Summer Fellowships

The AMS 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 and 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, *Scientific American*, Voice of America, *The Oregonian*, the *Chicago Tribune*, 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, DC, 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 2016 is **January 15, 2016**. Further information about the fellowship program and application procedures is available online at www.aaas.org/programs/education/MassMedia; or applicants may contact Dione Rossiter,

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 www.ams.org/programs/ams-fellowships/media-fellow/massmediafellow and through the AMS Washington Office, 1527 Eighteenth Street, NW, Washington, DC 20036; telephone: 202-588-1100; email: amsdc@ams.org.

—AMS Washington Office

*NSF Program in Computational and Data-Enabled Science and Engineering in Mathematical and Statistical Sciences

The Program in Computational and Data-Enabled Science and Engineering in Mathematical and Statistical Sciences (CDS&E-MSS) of the National Science Foundation (NSF) accepts proposals that confront and embrace the host of mathematical and statistical challenges presented to the scientific and engineering communities by the ever-expanding role of computational modeling and simulation on the one hand and the explosion in production of digital and observational data on the other. The goal of the program is to promote the creation and development of the next generation of mathematical and statistical theories and tools that will be essential for addressing such issues. To this end, the program supports fundamental research

**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 and for the Directorate of Education and Human Resources at 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.*

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in mathematics and statistics whose primary emphasis will be on meeting the aforementioned computational and data-related challenges. The research supported by the CDS&E-MSS program aims to advance mathematics or statistics in a significant way and addresses computational or big-data challenges. Proposals should include a principal investigator or co-principal investigator who is a researcher in the mathematical or statistical sciences in an area supported by the NSF Division of Mathematical Sciences (DMS). The program encourages submission of proposals that include multidisciplinary collaborations or the training of mathematicians and statisticians in CDS&E. The window for submission of full proposals is **November 25–December 9, 2015**. See www.nsf.gov/funding/pgm_summ.jsp?pims_id=504687&org=DMS&from=home.

—NSF announcement

NDSEG Fellowships

As a means of increasing the number of US citizens trained in disciplines of military importance in science and engineering, the Department of Defense (DoD) awards National Defense Science and Engineering Graduate (NDSEG) Fellowships each year to individuals who have demonstrated ability and special aptitude for advanced training in science and engineering. The fellowships are awarded for a period of three years for study and research leading to doctoral degrees in any of fifteen scientific disciplines.

The NDSEG Fellowship Program is open only to applicants who are citizens or nationals of the United States. NDSEG Fellowships are intended for students at or near the beginning of their graduate studies in science or engineering. Applicants must have received or be on track to receive their bachelor's degree by fall of 2016. Fellows selected in spring 2016 must begin their fellowship tenures in fall 2016. Fellowships are tenable only at US institutions of higher education offering doctoral degrees in the scientific and engineering disciplines specified. Fellows will receive full tuition and a total of US\$102,000 in stipend funds over the course of the thirty-six-month tenure, prorated monthly based on a twelve-month academic year. Applications are encouraged from women, persons with disabilities, and minorities, including members of ethnic minority groups such as African American, American Indian and Alaska Native, Asian, Native Hawaiian and other Pacific Islander, Hispanic, or Latino.

Complete applications must be submitted electronically by **December 18, 2015**. Application forms are available online at ndseg.asee.org/apply_online. For further information, see ndseg.asee.org/.

—From an NDSEG announcement