AMS Congressional Fellow Announced

Lucia D. Simonelli has been awarded the 2019–2020 AMS Congressional Fellowship. Simonelli received her PhD in mathematics from the University of Maryland-College Park. She is currently a postdoctoral fellow in the mathematics section at the Abdus Salam International Centre for Theoretical Physics (ICTP) in Trieste, Italy.

Simonelli works predominantly in dynamical systems, specifically to prove properties of parabolic flows using functional analytic techniques. She also recently co-organized the first Latin American School in Applied Mathematics held in Quito, Ecuador (http://indico.ictp.it/event/8691/). The mission of the school is to foster the growth of advanced, rigorous studies and research in physical and mathematical sciences in Latin America. Specifically, the goal of the school is to highlight the applications of mathematics in other disciplines and in industry to demonstrate the usefulness of mathematics as a tool in career choice.

The Congressional Fellowship program is administered by the American Association for the Advancement of Science (AAAS) and provides an opportunity for scientists and engineers to learn about federal policy making while contributing their knowledge and analytical skills to the process. Fellows spend a year working on the staff of a member of Congress or a congressional committee, working as a special legislative assistant in legislative and policy areas requiring scientific and technical input. The fellowship program includes an orientation on congressional and executive branch operations and a year-long professional development program.

The fellowship is designed to provide a unique public policy learning experience to demonstrate the value of science-government interaction and to bring a technical background and external perspective to the decision-making process in Congress.

For more information on the AMS-AAAS Congressional Fellowship, go to http://bit.ly/AMSCongressionalFellowship

—AMS Office of Government Relations

Fan China Exchange Program Grants Awarded

The Society’s Fan China Exchange Program awards grants to support collaborations between Chinese and US or Canadian researchers. Institutions in the United States or Canada apply for the funds to support a visitor from China or vice versa. This funding is made possible through a generous gift made to the AMS by Ky and Yu-Fen Fan in 1999. The 2019 grants follow.

Jinqiao Duan of the Department of Applied Mathematics, Illinois Institute of Technology, received a US$4,500 grant for a one-month stay by Meihua Yang of Huazhong University of Science and Technology, Wuhan, China.

Yong Yang of the Department of Mathematics, Texas State University, was awarded a US$4,000 grant for a one-month stay by Guohua Qian of Changshu Institute of Technology, Jiangsu, China.

For information about the Fan China Exchange Program, visit the website http://www.ams.org/programs/travel-grants/china-exchange/china-exchange or contact the AMS Professional Programs Department, email: chinaexchange@ams.org, telephone 401-455-4105 (within the U.S., toll free: 800-321-4267, ext. 4088).

—AMS Membership and Programs Department

From the AMS Public Awareness Office

Mathematical Moments. Steven Strogatz of Cornell University talks about how differential equations helped in controlling HIV, and Mary Ellen Bushman of Emory University explains the math she used to understand malarial drug resistance in the Mathematical Moment “Keeping People Alive” at http://www.ams.org/publicoutreach/mathmoments/mmi144-hiv-and-malaria-podcast
Feature Column. Read monthly essays for and from those who enjoy mathematics. Pieces this year include “Topology and Elementary Electric Circuit Theory: Duality,” by Tony Phillips; “Pretty as a Picture,” by Joe Malkevitch; “Non-Negative Matrix Factorizations,” by David Austin; and “Understanding Kepler—Earth’s Motion,” by Bill Casselman. https://www.ams.org/featurecolumn

Math in the Media. This is your portal to media coverage of math and mathematicians. Read about 2019 Abel Prize winner Karen Uhlenbeck, John Urschel, Moon Duchin, the effectiveness of remedial math courses, gender in the math profession, and recent research results; and link to reviews of the latest math-related books. http://www.ams.org/mathmedia.

—Annette Emerson and Mike Breen
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