

10th Annual Women in Mathematics Day

Jean E. Rubin Memorial Lecture

Tuesday, November 15, 2016

4:30 p.m.

LWSN 1142

Refreshments will be served at 4:00 p.m. outside Lawson 1142

Recent developments on certain dispersive equations as infinite dimensional Hamiltonian systems.

Abstract:

The mathematical nature of dispersion is the starting point of a very rich mathematical activity that has seen incredible progress in the last twenty years, and that has involved many different branches of mathematics: Fourier and harmonic analysis, analytic number theory, differential and symplectic geometry, dynamical systems and probability. In this talk I will give examples of these diverse directions and related open problems.

Speaker:

Gigliola Staffilani

Massachusetts Institute of Technology
Abby Rockefeller Mauzé Professor of Mathematics

Gigliola Staffilani was named the Abby Rockefeller Mauzé Professor of Mathematics in 2007. She received the B.S. equivalent from the University of Bologna in 1989, and the S.M. and Ph.D. degrees from the University of Chicago in 1991 and 1995, respectively. Carlos Kenig was her doctoral advisor.

Following a Szegő Assistant Professorship at Stanford, she had faculty appointments at Stanford, Princeton and Brown, before joining the MIT mathematics faculty in 2002. Professor Staffilani is an analyst, with a concentration on dispersive nonlinear PDEs. At Stanford, she received the Harold M. Bacon Memorial Teaching Award in 1997, and was given the Frederick E. Terman Award for young faculty in 1998. She was a Sloan fellow from 2000-02.

In 2013 she was elected member of the Massachusetts Academy of Science and a fellow of the AMS, and in 2014 fellow of the American Academy of Arts and Sciences.



Jean E. Rubin was Professor of Mathematics at Purdue University from 1967 until her death in 2002. She earned a B.S. from Queen's College in New York City in 1948, an M.A. from Columbia in 1949, and a Ph.D. from Stanford in 1955. She taught at the University of Oregon and Michigan State before coming to Purdue. Professor Rubin was the author of more than 40 papers and five books in set theory and questions related to the axiom of choice.