

2009 Program for Women and Mathematics

Monday, June 8, 2009 (All day) - Friday, June 19, 2009 (All day)
2008-2009

Geometric PDE



June 8-19, 2009

The program will provide an introduction to Geometric PDE.

The program is being organized by Sun-Yung Alice Chang, Princeton University; Ingrid Daubechies, Princeton University; Antonella Grassi, University of Pennsylvania; Tanya Khovanova, MIT; Chuu-Lian Terng, University of California, Irvine; and Karen Uhlenbeck, The University of Texas at Austin.

The lecturers of the program are Irina Mitrea of the University of Virginia for the Beginning Lecture Course and Sun-Yung Alice Chang of Princeton University and Panagiota Daskalopoulos of Columbia University for the Advanced Lecture Course.

The main theme of this year's Women and Mathematics program is "Geometric PDE" --using analytic tools like that of partial differential equations to solve problems in geometry. In the course for undergraduate students, we will introduce the basic notions of differential equations and geometric curvatures; in the graduate course, we will study model differential equations like that of the Gaussian curvature equations on compact surfaces, the prescribing curvature equations and the evolution equations related to the curvature flows. There will also be research seminar and colloquium talks.

Women and Mathematics is a joint program of the Institute for Advanced Study and Princeton University.

terms:

- [special program](#)

