

## 2011 Program for Women and Mathematics

### Sparsity and Computation



### May 16-27, 2011

From networking to scientific computation, from sensing to modeling an environment, we are being deluged routinely with huge datasets that we want to understand. In order to learn from these data, and to store, transmit or use this information, we are developing new ways to uncover and work with structures hidden in these massive datasets. To face these challenges, we have to draw on a range of different disciplines within mathematics and computer science. Come explore some of them in the 2011 Program for Women and Mathematics.

The program is being organized by Anna Gilbert, University of Michigan; 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 Anna Gilbert, University of Michigan, Sofya Raskhodnikova,

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Penn State University for the Advanced Lecture Course. The beginning lecture course lecturers will be Rachel Ward, New York University and Becca Willett, Duke University.

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