

MATHEMATICS POSTDOCTORAL PROGRAM, 2002-03

The UConn mathematics post-doctoral program has reached a mature state, with comings and goings of the fellows more or less in balance, and additional support from the University has enabled us to reach the goal of ten post-docs in residence.

Chuck's lead article mentions that some of the second-year cohort left us to begin professorial careers. In addition, family concerns led Assaf Goldberger to return to Israel in the summer of 2002 after one year at UConn. The continuing participants, Yasar Sozen and Alex Stokolos, were joined for the academic year by eight new arrivals. The newcomers were

- Ines Armendariz (PhD 2001, NYU; probability),
- Fabiana Cardetti (PhD 2002, Louisiana State; control theory)
- Zhixiong Chen (PhD 2002, UMass; applied analysis)
- Jennifer Hill (PhD 2000, Auburn; algebra)
- R. Moritz Kassmann (PhD 2001, Bonn; applied analysis)
- Kyle Kneisl (PhD 2002, North Carolina; analysis/numerics)
- Dahae You (PhD 2002, Purdue; analysis), and
- Zhenbu Zhang (PhD 2002, Tulane; applied analysis).

In the fall semester, the new post-docs and Yasar gave a series of mini-colloquia to acquaint the faculty and graduate students with their research interests. Probably unfairly, each had only 20 minutes in which to talk about years of work.

Special Postdocs Colloquium on September 19, 2002:

1. Dahae You: Sharp Inequalities for ratios of partition functions of Schrodinger operators
2. Zhenbu Zhang: Generation and metastability of patterns for some nonlinear evolution equations
3. Fabiana Cardetti: Geometric Control Theory

Special Postdocs Colloquium on October 3, 2002:

1. Ines Armendariz: Brownian excursions and coalescing particle systems
2. Zhixiong Chen: Stability of traveling waves for Hamilton-Jacobi equations and mesoscopic modeling for diffusion dynamics
3. Moritz Kassmann: Regularity for PDE's related to jump-diffusions

Special Postdocs Colloquium on October 17, 2002:

1. Kyle Kneisl: Numerical Computations of Hausdorff Dimension
2. Yasar Sozen: Shearing Coordinates of Teichmuller Spaces and Infinitesimal Earthquakes
3. Jennifer Hill: Standard Monomial Theory for $SL_n(\mathbb{C})$

The post-docs also spoke about their work at greater length at seminars throughout the year.