

Spring 1997  
Midwest PDE Seminar

*A Celebration of Gene Fabes' 60<sup>th</sup> birthday*

April 4-6, 1997

School of Mathematics, University of Minnesota  
Minneapolis, MN 55455

**Friday, April 4**, Room 3-180 EE/CSci

- 1:15 - 2:00 p.m. Yoram Sagher, One always dreams of one's first love: some elementary results for the Hilbert Transform.
- 2:15 - 3:00 p.m. Patricia Bauman, Stable solutions of the Ginzburg-Landau System.
- 3:30 - 4:15 p.m. Russell Brown, The inverse conductivity problem with less regular conductivities.
- 4:30 - 5:15 p.m. Jeff Lewis, Singular integrals and layer potentials on  $C^1$  domains.

**Saturday, April 5**, Room 16 Vincent Hall

Coffee and rolls will be available at 8:30 in the Commons Room (Vincent Hall 120).

- 9:15 - 10:00 a.m. Walter Littman, The two-way street between PDE and control theory.
- 10:15 - 11:00 a.m. Jill Pipher, On non-symmetric divergence form elliptic equations.
- 11:15 - 12:00 noon Raul Serapioni, Examples of non-regular solutions of degenerate elliptic equations.
- 12:00 noon - 1:45 p.m. Lunch
- 1:45 - 2:30 p.m. Fang Hua Lin, A new proof of the partial regularity of Navier-Stokes equations.
- 2:45 - 3:30 p.m. Mikhail Safonov, Properties of solutions to second order elliptic and parabolic PDE with measurable coefficients.
- 4:15 - 4:45 p.m. Carlos Kenig, Some remarks on the work of Gene Fabes.

Dinner at the Campus Club, West Wing: wine and cheese at 5:30 p.m., buffet dinner 6:30 p.m.

**Sunday April 6**, Room 16 Vincent Hall

Coffee and rolls will be available at 8:30 a.m. in the Commons Room (Vincent Hall 120).

- 9:15 - 10:00 a.m. Luis Escauriaza, Boundary unique continuation.
- 10:15 - 11:00 a.m. Joseph B. Keller and Hans Weinberger, A boundary value problem for a backward-forward parabolic equation.
- 11:15 - 12:00 noon Sandro Salsa, Regularity in parabolic phase transition problems.