Sven Hagströmer's & Mats Qviberg's Foundation Symposium on Geometry and Regularity of Free Boundaries

Program: Geometry and Regularity of Free Boundaries.

Place/Time: KTH, Stockholm, February 28–March 2, 2000, in connection with the Mittag-Leffler year 1999/2000 on Potential theory and Nonlinear PDE.

Organizers:

Luis Caffarelli	`caffarel@math.utexas.edu`
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Keywords: free boundary, nodal set, singular set, geometric configuration, combustion theory, monotonicity formula.

Scope: The workshop will be devoted to questions of geometry and regularity of certain, apriori unknown, sets coming up in solutions of nonlinear PDE problems, viz. free boundaries, vanishing sets, nodal and singular sets. Such sets appear in the obstacle problem, the Stefan problem, problems in combustion theory, fluid mechanics, and potential theory. The unifying theme will be the structure of the unknown sets in these problems. Special attention will be paid to the geometric and regularity properties.

Sponsor: Sven Hagströmer's & Mats Qviberg's Foundation

Confirmed main speakers:

D. Adams (Lexington)	I. Athanasopoulos (Herakleion)
D. Danielli (Baltimore)	N. Garafolo (Baltimore)
Q. Han (Notre Dame)	H. Hedenmalm (Lund)
D. Jerison (Cambridge)	L. Karp (Haifa)
B. Kawohl (Köln)	C. Lederman (Buenos Aires)
P. Markowich (Vienna)	J. Salazar (Lisbon)
S. Salsa (Milan)	N. Uraltseva (St. Petersburg)
J. Vazquez (Madrid)	G. Weiss (Tokyo)

For more/updated information please contact H. Shahgholian at `henriks@math.kth.se`
URL: `http://www.math.kth.se/~arshak/symposium.html`