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

February 28 – March 2, 2000
Royal Institute of Technology, Stockholm, Sweden

Schedule

Monday, February 28

09:25-09:30 Opening
09:30-10:15 **David Jerison**, *Existence and regularity for two-phase free boundary problems*
10:15-10:45 Coffee break
10:45-11:30 **Donatella Danielli**, *Singular perturbations of a parabolic free boundary problem arising in combustion theory*
11:30-13:30 Lunch
13:30-14:15 **David R. Adams**, *Stability of the biharmonic obstacle problem with varying obstacles*
14:15-14:45 Coffee break
14:45-15:30 **Georg S. Weiss**, *The free boundary of a thermal wave in a strongly absorbing medium*

Tuesday, February 29

09:30-10:15 **Juan L. Vazquez**, *Regularity and dynamics of interfaces in nonlinear parabolic equations*
10:15-10:45 Coffee break
10:45-11:30 **Claudia Lederman**, *Uniqueness and agreement of solution in a two phase free boundary problem from combustion*
11:30-13:30 Lunch
13:30-14:15 **Nicola Garofalo**, *Title to be announced*
14:15-14:45 Coffee break
14:45-15:30 **Lavi Karp**, *A free boundary problem and Newtonian potential*
15:30-16:15 **Peter Markowich**, *Singular limits of mean field equations*

Wednesday, March 1

09:30-10:15 **Nina Ural'tseva**, *How the free boundary can meet the prescribed one*
10:15-10:45 Coffee break
10:45-11:30 **Luis A. Caffarelli**, *Title to be announced*
11:30-13:30 Lunch
13:30-14:15 **Qing Han**, *Singular sets of solutions to elliptic equations*
14:15-14:45 Coffee break
14:45-15:30 **Ioannis Athanasopoulos**, *Title to be announced*

Thursday, March 2

09:30-10:15 **Sandro Salsa**, *A class of free boundary problems with application to the theory of conductivity*
10:15-10:45 Coffee break
10:45-11:30 **Bernd Kawohl**, *Isoperimetric inequalities for plate eigenvalues*
11:30-13:30 Lunch
13:30-14:15 **Håkan Hedenmalm**, *The Hele-Shaw exponential mapping*
14:15-14:45 Coffee break
14:45-15:30 **Jorge Salazar**, *Regularity of viscosity solutions of fully nonlinear elliptic equations with free boundaries*