PDE SEMINAR, FALL 2006 - SPRING 2007, TUESDAY POT 845, 11-12 AM, TIMES AND PLACES OF SPECIAL SEMINARS ARE LISTED INDIVIDUALLY

August 29, Changyou Wang, University of Kentucky, *Derivation of the Aronsson Equation for a C^1 Hamiltonian* ,

September 5, Zhongwei Shen, University of Kentucky, *L^p Neumann Problems for Elliptic Systems in Lipschitz Domains,*

September 12, John Lewis, University of Kentucky, *On a Boundary Harnack Inequality for p Harmonic Functions,*

September 26, Vladimir Eiderman, Moscow State University and University of Kentucky, *Cartan Type Estimates with the Cauchy Kernel and with Real Kernels,*

October 3, Siu - Hung Tang, University of Kentucky, *Towards a Complex Analogue of AdS/CFT Correspondence,*

October 10, Peter Hislop, University of Kentucky, *Density of States for Random Schroedinger Operators,*

October 17, Ronald Gariepy, University of Kentucky, *Stationary Measure and Rectifiability,* (a paper by Roger Moser),

October 24, Yuho Shin, University of Kentucky, *Geodesics and Sub-Riemannian Heat Kernel for the Group $N_{3,2}$,*

October 31, Kaj Nyström, University of Umeà, *On American Options,*

November 7, Dave Adams, University of Kentucky, *Blowup for Solutions to the 3d Nonhomogeneous Wave Equation,*

November 10, 4 pm, CB 219, Sergei Kitaev, Reykjavik University, *Differential Equations and Permutation Patterns,*

November 14, Jim Brennan, University of Kentucky, *Structure of Certain Spaces of Analytic Functions,*

November 28, Frederic Klopp, Universite de Paris - Nord, *Renormalization of Certain Exponential Sums,*

November 30, Nicholas Kirby, University of Kentucky, *Curves as Phase Interphases. Some Results on the Evolution of an Isothermal Interface.* At 11 AM in POT 945.

December 5, Changyou Wang, University of Kentucky, *Heat Flow of Harmonic Maps with Gradients in $L^{n,\infty}$,*

January 16, Zhongwei Shen, University of Kentucky, *A Relationship between the Dirichlet and Regularity Problem for Elliptic Equations,*

January 23, Leo Tzou, University of Washington, *Stability Estimates for the Coefficients of the Magnetic Schrödinger Operator,*

January 30, Tong Keun Chang, Kias University, South Korea, *Representaion of Solutions to Laplace's Equation on Nonsmooth Domains,*

February 9, 3 pm, room to be announced, Irina Mitrea, University of Virginia, *Boundary Value Problems for Higher Order Elliptic Operators,*

February 13, Bum Ja Jin, Makpo National University, South Korea, *Temporal and Spatial Decay Estimate of Navier-Stokes Solution in an Exterior Domain,*
February 27, Phuc Nguyen, Purdue University, *Hessian and p Laplace Equations with Measure Data and Power Nonlinearities.*
March 19, Barry Simon, Caltech University, *Spectral Theory of Finite Gap Jacobi Matrices,*
March 27, Gisela Garcia, *Title to be announced,*

This seminar is partially sponsored by the mathematics department and the dean's office through the college enrichment fund.