

Frontiers of Applied and Computational Mathematics

Celebrating Professor Bjorn Engquist's 70th Birthday

Date: August 7th - August 9th, 2015

Venue: Lecture Hall, Jia Yi Bing Building, 82 Jing Chun Yuan, BICMR

Program:

Friday(Aug. 7)

<i>Morning Session</i>	08:50-09:00	Opening Remarks
	09:00-09:40	Stan Osher (<i>UCLA</i>) Title: The impact of L1 optimization in Nonlinear PDE
	09:40-10:20	Takis Souganidis (<i>University of Chicago</i>) Title: TBD
	10:20-10:40	Tea Break
	10:40-11:20	Eitan Tadmor (<i>University of Maryland</i>) Title: TBD
	11:20-12:00	Weinan E (<i>Princeton University, Peking University</i>) Title: The Stability of Laminar Shear Flow
		12:00-13:30
<i>Afternoon Session</i>	13:30-14:10	Roland Glowinski (<i>University of Houston</i>) Title: TBD
	14:10-14:50	Anna-Karin Tornberg (<i>KTH, Sweden</i>) Title: TBD
	14:50-15:30	Richard Tsai (<i>University of Texas, Austin</i>) Title: TBD
	15:30-16:00	Photo
	16:00-17:00	Maria J. Esteban (<i>University Paris-Dauphine</i>) Title: Optimal Symmetry Results for the Optimizers of Caffarelli-Kohn-Nirenberg Inequalities

Saturday(Aug. 8)

<i>Morning Session</i>	09:00-09:40	Tony Chan (<i>HKUST</i>) Title: First-order primal–dual algorithms for convex optimization in imaging science
	09:40-10:20	Arieh Iserles (<i>University of Cambridge</i>) Title: TBD
	10:20-10:40	Tea Break
	10:40-11:20	Rolf Jeltsch (<i>ETH, Switzerland</i>) Title: Modelling and Simulation in 3-d of Compressible Plasma Flow in a High Current Circuit Breaker
	11:20-12:00	Yann Brenier (<i>Ecole Polytechnique, France</i>) Title: TBD
	12:00-13:30	Lunch Time
		Tom Hou (<i>California Institute of Technology</i>)

Afternoon Session	13:30-14:10	Title: Self-Similar Singularity for a 1D Model of the 3D Axisymmetric Euler Equations
	14:10-14:50	Assyr Abdulle (<i>EPFL, Switzerland</i>)
		Title: Reduced order modeling techniques for multiscale methods
	14:50-15:30	Eric Chung (<i>The Chinese University of Hong Kong</i>)
		Title: Offline and online adaptivity for a class of multiscale problems
	15:30-15:50	Tea Break
	15:50-16:30	Pingwen Zhang (<i>Peking University</i>)
		Title: TBD
16:30-17:10	Jinchao Xu (<i>The Pennsylvania State University, Peking University</i>)	
	Title: TBD	
17:10-17:50	Lexing Ying (<i>stanford university</i>)	
	Title: TBD	
	18:30-	banquet

Sunday(Aug. 9)

Morning Session	09:00-09:40	Jian-Guo Liu (<i>Duke University</i>)
		Title: TBD
	09:40-10:20	Hongkai Zhao (<i>University of California</i>)
		Title: TBD
	10:20-10:40	Tea Break
	10:40-11:20	Eric Vanden-Eijnden (<i>New York University</i>)
Title: TBD		
11:20-12:00	Andy Majda (<i>New York University</i>)	
	Title: TBD	
	12:00-13:30	Lunch Time