Finite Element Rodeo Schedule

Friday

Time	Name	Institution	Talk
1:00-1:15	Welcome		
1:15-1:30	Andrea Bonito	Texas A&M U	Adaptive Finite Element Methods for Incomplete Diffusion Elliptic Problems
1:30-1:45	Johannes Tausch	Southern Methodist U	Solving Shape Optimizatio Problems for the Heat Equation using the Parabolic Fast Multipole Method
1:45-2:00	Christopher Davis	Louisiana State U	A Generalized Finite Element Method for the Displacement Obstacle Problem of Clamped Kirchoff Plates
2:00-2:15	Lingling Shi	U. Houston	A DLM/FB/IB Method for Simulating Multi-cells Interaction in Microchannel
2:15-2:30	**Break**		
2:30-2:45	Harbir Antil	U Maryland College Park	Application-Specific, Fast, High Accuracy Reduced Order Quadratures
2:45-3:00	Geoffrey Dillon	Texas Tech U	Block Preconditioners for the Bidomain Equations
3:00-3:15	Nathan Roberts	U Texas Austin	Application of DPG to CFD Model Problems
3:15-3:30	JaEun Ku	Oklahoma State U	Connection between Galerkin Methods and LS Methods
3:30-4:00	**Coffee Break**		
4:00-4:15	Miguel Uh	Southern Methodist U	The Immersed Interface Method for Two-Fluid Problems
4:15-4:30	Shirin Sardar	Rice U	Penalty-Free Discontinuous Galerkin Methods for Navier-Stokes Equations
4:30-4:45	Shawn Walker	Louisiana State U	Tetrahedralization of Isosurfaces with Guaranteed-Quality by Edge
4:45-5:00	Abner Salgado	U Maryland	Convergence and Optimality of a Goal Oriented Adaptive FEM
5:00-5:15	**Break**		
5:15-5:30	Tsorng-Whay Pan	U Houston	Numerical Simulation of Cell/Cell and Cell/Particle Interaction in Microchannels
5:30-5:45	Son-Young Yi	U Texas El Paso	A Mixed Finite Element Framework for Biot's Consolidation Model
5:45-6:00	Andrew Barker	Louisiana State U	Domain Decomposition Preconditioners for the Discontinuous Petrov-Galerkin Method
6:00-6:15	Kurt Stein	Southern Methodist U	Complete Radiation Boundary Conditions: Corners and Edges
6:45-8:45	**Dinner**		

Saturday

Time	Speaker	Affiliation	Title
8:00-8:30	**Breakfast**		
8:30-8:45	Jesse Chan	U Texas Austin	Application of DPG to CFD Model Problems
8:45-9:00	Michael Messner	Graz I of Technology	Efficient Solution of Boundary Integral Equations of the Heat Equation
9:00-9:15	Yi Zhang	Louisiana State U	Finite Element Methods for the Displacement Obstacle Problem of Clamped Plates
9:15-9:30	Tan Bui-Thanh	U Texas Austin	A Unified Discontinuous Petrov-Galerkin Method
9:30-9:45	Tom Hagstrom	Southern Methodist U	Hermite-DG Methods for Hyperbolic Systems
9:45-10:00	Robert Kirby	Texas Tech U	A Block Preconditioner for Benard Convection
10:00-10:30	**Coffee Break**		
10:30-10:45	Guido Kanschat	Texas A&M U	An Asymptotically Correct DG Method for Radiative Transfer
10:45-11:00	Marcus Sarkis	Worcester Polytechnic I	FETI-DP Preconditioner for a Composite FE/DG Discretization
11:00-11:15	Zeleke Kidist	U Houston	Numerical Simulation of Surface Acoustic Wave Actuated Cell Sorting
11:15-11:30	Thinh Kieu	Texas Tech U	Symplectic-Mixed Finite Element Approximation of Linear Wave Equations
11:30-11:45	Jizhou Li	Rice U	An Implementation of Space-Time Discontinuous Galerkin Method for Solving Miscible Displacement Equations
11:45-noon	Daniel Reynolds	Southern Methodist U	Preconditioning Visco-Resistive MHD for Tokamak Plasmas
noon-1:00	**Lunch**		
1:00-1:15	Alexander Rand	U Texas Austin	A Serendipity Finite Element for Non-Affine Quadrilaterals (and Polygons)
1:15-1:30	Eun-Hee Park	Louisiana State U	A Nonoverlapping Domain Decomposition Preconditioner for the SIPG Method
1:30-1:45	Chang Young Jang	Southern Methodist U	Numerical Dispersion of Hermite Methods
1:45-2:00	Kim Kyungjoo	U Texas Austin	Parallel Sparse Direct Solver on a Multi-Core Architecture Accelerated by Multi-GPUs
2:00-2:15	Juan Galvis	Texas A&M U	MSFEM for High-Contrast Parameter Dependent Problems
2:15-2:30	**Break**		
2:30-2:45	Sanghyun Lee	Texas A&M U	Towards Numerical Simulation of Kaye Effect
2:45-3:00	Paolo Gatto	U Texas Austin	PML for Acoustic Scattering Problems
3:00-3:15	Jingmei Qiu	U Houston	Superconvergence of Discontinuous Galerkin Method for Hyperbolic Problems
3:15-3:30	Natasha Sharma	U Houston	Convergence Analysis of an Adaptive Interior Penalty Discontinuous Galerkin Method for the Helmholtz Equation