

Day	Time		Speaker	Title of lecture
<b>Monday</b>				
	09:15 – 09:35	Opening		
	09:35 – 10:10		Zhong Ci, Shi	Numerical Methods for R-M Plates
	10:10 – 10:45		D. Braess	A posteriori estimates for the obstacle problem or Finite elements for avoiding locking in solid mechanics
	10:45 – 11:20	Break		
	11:20 – 11:55		G. Bock	Real-Time Computation of Constrained Open- and Closed-Loop Controls and Applications to Industrial Processes Governed by Large Scale DAE, or PDE
	11:50 – 12:30		Ping Bing, Ming	Analysis of Multiscale Methods
	12:30	Photo		
	12:45 – 14:00	Lunch		
		Afternoon: Excursion		
<b>Tuesday</b>				
	09:00 – 09:35		De Hao, Yu	Natural boundary integrals, DtN operators and artificial boundary methods
	09:35 – 10:10		W. Wendland	Boundary Element Methods and Efficient Applications to Problems in Solid Mechanics
	10:10 – 10:45		Hou De, Han	Artificial Boundary Method – Numerical Solution of PDEs on Unbounded Domain
	10:45 – 11:20	Break		
	11:20 – 11:55		E. Stephan	„FE-BE Coupling for Electromagnetic Interface Problems in 3D“
	11:55 – 12:30		S. Turek	FEM techniques for multiphase flow problems
	12:30 – 14:30	Lunch		
	14:30 – 15:05		W. Dahmen	Adaptive Methods for Global Operators
	15:05 – 15:40		S. Funken	Can averaging techniques be reliable for oscillating data?
	15:40 - 16:15	Break		
	16:15 – 16:50		R. Rannacher	Adaptive finite element discretization of optimal control problems
	16:50 – 17:25		W. Dörfler	Reliable a posteriori error control for non-conforming finite element approximation of Stokes flow
	17:25 – 18:00	Discussion		

<b>Wednes- day</b>				
	09:00 – 09:35		Tao, Tang	Moving Mesh Methods for Computational Fluid Dynamics
	09:35 – 10:10		M. Griebel	Sparse grids for higher dimensional partial differential equations
	10:10 – 10:45		Yun Qing, Huang	some recent progress in superconvergence of finite element methods
	10:45 – 11:20	Break		
	11:20 – 11:55		Ning Ning, Yan	The superconvergence and recovery type a posteriori error estimate for optimal control problems
	11:55 – 12:30		Chuan Miao, Chen	Superconvergence of Time-Space Discontinuous Finite Elements for First Order Hyperbolic Equations
	12:30 – 14:30	Lunch		
	14:30 – 15:05		G. Roos	Superconvergence in finite element methods for singularly perturbed problems
	15:05 – 15:40		T. Apel	Adapted meshes near corners of the domain preserve superconvergence properties in an elliptic optimal control problem
	15:40 - 16:15	Break		
	16:15 – 16:50		Chuan Ju, Xu	Some new developments in spectral element method for incompressible flow
	16:50 – 17:25		Ping Wen, Zhang	The Structure and Stability of Stationary Solutions of Doi-Onsager Equation
	17:25 – 18:00	Discussion		
<b>Thursday</b>				
	09:00 – 09:35		Zhi Ming, Chen	Upscaling of a class of nonlinear parabolic equations for the flow transport in heterogeneous porous media
	09:35 – 10:10		P. Knabner	Efficient and Accurate Simulation of Large General Reactive Multicomponent Transport Processes in Porous Media by Model-Preserving a priori and a posteriori Decoupling Techniques
	10:10 – 10:45		Jun, Hu	
	10:45 – 11:20	Break		
	11:20 – 11:55		Xiao Ping, Wang	Moving contact line on chemically patterned surfaces
	11:55 – 12:30		C. Wieners	Parallel 3-d simulations for porous media models in soil mechanics
	12:30 – 14:30	Lunch		
	14:30 – 15:05		A. Kunoth	Adaptive Wavelet Methods for PDE-constrained Control Problems
	15:05 – 15:40		V. Heuveline	Boundary control problem for unstable parabolic systems: application to reactive flows
	15:40 - 16:15	Break		
	16:15 – 16:50		R. Hoppe	Convergence Analysis of Adaptive Finite Element Approximations of Distributed Optimal Control Problems
	16:50 – 17:25		Yanping Chen	Aspects of adaptive Mixed FEM for control problems
	17:25 – 18:00	Discussion		
	18:00	Conference Dinner		

<b>Friday</b>				
	09:00 – 09:35		S. Bartels	A unified theory of a posteriori error control for Finite Element Methods
	09:35 – 10:10		Long An, Ying	Projection and difference schemes for combustion problems
	10:10 – 10:45	Break		
	10:45 – 11:20		Ai Hui, Zhou	A Parallel Adaptive Finite Element Scheme with Applications to Quantum Chemistry
	11:20 – 11:55		C. Carstensen	Review on Error Reduction in Adaptive Finite Element Methods
	11:55 – 12:30	Closing		
		Afternoon: Excursion		