

Forum on Scientific and Engineering Computing 2017

May 27-28, Beijing

Full Schedule

Conference Site: Xin Nan Lou ROOM N204 (中国科学院数学与系统科学研究院新南楼 N204 会议室)	
Saturday 27/5/2017	
09:00-11:30	Chair: Linbo Zhang
09:00-10:00	Fernando Casas: Exponential Perturbation Expansions and Geometric Numerical Integration
10:00-10:30	Break
10:30-11:30	David Cohen: Exponential Integrators for Stochastic Schrödinger Equations Driven by Itônoise
11:30-14:00	Lunch
14:00-17:20	Chair: Christian Lubich
14:00-15:00	Lukas Einkemmer: Novel Numerical Methods for the Vlasov Equation: from Construction and Analysis to Implementation
15:00-16:00	Ludwig Gauckler: Numerical Long-Time Energy Conservation for the Nonlinear Schrödinger Equation
16:00-16:20	Break
16:20-17:20	Arnulf Jentzen: On Approximation Algorithms for High-Dimensional Nonlinear Partial Differential Equations (PDEs), Nonlinear Stochastic Ordinary Differential Equations (SDEs), and High-Dimensional Nonlinear Forward-Backward Stochastic Ordinary Differential Equations (FBSDEs)
18:00-20:00	Dinner
Sunday 28/5/2017	
08:30-11:50	Chair: Jialin Hong
08:30-09:30	Christian Lubich: A-Stable Time Discretizations Preserve Maximal Parabolic Regularity
09:30-10:30	Katharina Schratz: Exponential-type Time Integrators for Nonlinear Schrödinger, Korteweg-de Vries and Klein-Gordon Type Equations
10:30-10:50	Break
10:50-11:50	Gilles Vilmart: Long Time Numerical Solution of Stochastic Differential Equations: the Interplay of Geometric Integration and Stochastic Integration
11:50-13:30	Lunch