Mathematics and Statistics Programme

Wednesday, 15th October 2008
Venue: Block S16-06-118

Session 1
Chairperson: BAO Weizhu, National University of Singapore

10.40am - 11.20am
TOH Kim Chuan
Department of Mathematics, National University of Singapore
Title: A Newton-CG Augmented Lagrangian Method for Semidefinite Programming

11.20am - 12.00pm
GUO Xuejun
Department of Mathematics, Nanjing University
Title: A note on norm of units of number fields

12.00pm - 14.00pm Lunch

Session 2
Chairperson: YU Shih-Hsien, National University of Singapore

14.00pm - 14.40pm
WU Haijun
Department of Mathematics, Nanjing University
Title: Discontinuous Galerkin Methods for the Helmholtz Equation with Large Wave Number

14.40pm - 15.20pm
HWANG Feng-Nan
Department of Mathematics, National Central University
Title: Some Newton Methods with Nonlinear Block Gaussian Eliminations for the Transonic Compressible Nozzle Flow Problem

15.20pm - 16.00pm Coffee & Tea Break

Session 3
Chairperson: WU Haijun, Nanjing University

16.00pm - 16.40pm
BAO Weizhu
Department of Mathematics, National University of Singapore
Title: Analysis and Efficient Computation for the Schrodinger Equations in the Semiclassical Regimes

16.40pm - 17.20pm
DAI Xiongping
Department of Mathematics, Nanjing University
Title: Nicely Closing Property and Approximation of Lyapunov Exponents of Linear Cocycles
Thursday, 16th October 2008
Venue: Block S14-03-01 (Math Studio)

Session 4
Chairperson: CHEN Hung, National Taiwan University

9.00am - 9.40am  BAI Zhidong
Department of Statistics & Applied Probability, National University of Singapore
Title: TBA

9.40am - 10.20am  ZHOU Wang
Department of Statistics & Applied Probability, National University of Singapore
Title: Towards A Universal Self-normalized Moderate deviation

10.20am - 11.00am  Coffee & Tea Break

Session 5
Chairperson: BAO Weizhu, National University of Singapore

11.00am - 11.40am  CHEN Hung
Department of Mathematics, National Taiwan University
Title: Random Thresholds for Predictor Selection Via Lasso and Prediction Based Criterion

12.00pm - 14.00pm  Lunch

Session 6
Chairperson: LIAO Liangwen, Nanjing University

14.00pm - 14.40pm  YU Shih-Hsien
Department of Mathematics, National University of Singapore
Title: Maxwell Boundary Condition for Boltzmann Equation

14.40pm - 15.20pm  HSIA Chun-Hsiung
Department of Mathematics, National Taiwan University
Title: Stratified rotating Boussinesq equations in geophysical fluid dynamics: Dynamic bifurcation and periodic solutions

15.20pm - 15.50pm  Coffee & Tea Break
Session 7
Chairperson: Chen Zehua, National University of Singapore

15.50pm - 16.30pm
LIAO Liangwen
Department of Mathematics, Nanjing University
Title: Nevanlinna theory and nonlinear differential equations

16.30pm - 17.10pm
YU Jeng-Daw
Department of Mathematics, National Taiwan University
Title: Observations on differential equations of Calabi-Yau type

17.10pm - 17.50pm
XU Gang
Department of Mathematics, Nanjing University
Title: The Global Transonic Shock Problem for the Supersonic Flow Past a Sharp Cone
Friday, 17th October 2008
Venue: Block S14-03-01 (Math Studio)

9.00am - 12.00pm  Visit Departments and Discussion