

Joint Conference of AMS and HKMS
Special Session "Optimization and Applications"

Organizers: K.L. Teo and X.Q. Yang

On December 13 (Wednesday)

Session 1: Optimization Applications, Chair: D. Li

Game theoretic analysis of two-supplier and one-retailer in a spot market

H.M. Yan

The Chinese University of Hong Kong

Time: 2:00-2:30pm

Minimum surface area domain assignment

Athula Gunawardena

University of Wisconsin, Whitewater

Time: 2:30-3:00pm

Generalized minimax inequalities for set-valued mappings

Shengjie Li

Chongqing Jianzhu University

Time: 3:00-3:30pm

Tea Break

Session 2: Global Optimization, Chair: L.Z. Liao

Transformation methods in global optimization

Duan Li

The Chinese University of Hong Kong

Time: 3:45-4:15pm

**Cones of nonnegative non-convex quadratic functions, and cone co-positive
Mmatrices**

Shuzhong Zhang

The Chinese University of Hong Kong

Time: 4:15-4:45pm

**Nonlinear Lagrangian for multiobjective optimization and applications to duality
and exact penalization**

X.Q. Yang

The Hong Kong Polytechnic University

Time: 4:45-5:15pm

On December 14 (Thursday)

Session 3: Optimal control, Chair: X.Q. Yang

A computational method for a class of optimal switching control problems

K.L. Teo

The Hong Kong Polytechnic University

Time: 11:15-11:45am

Neurodynamic approach for optimal control

Li-Zhi Liao

Hong Kong Baptist University

Time: 11:45-12:15pm

Approximation of discrete nonlinear system by a B-spline network with optimal partition points

S. Wang

The University of Western Australia

Time: 12:15-12:45pm

Lunch Break

Session 4: Multiobjective Optimization, Chair, K.L. Teo

On the vector quasi-equilibrium problem and some applications

G.Y.Chen

The Chinese Academy of Sciences

Time: 2:00-2:30pm

Mixed symmetric duality in mathematical programming

X.M. Yang

Chongqing Normal University

Time: 2:30-3:00pm

Optimization of Schur-convex functions and their applications

Xinmin Zhang

University of South Alabama

Time: 3:00-3:30pm