HPCES Technical Programme Agenda

Tuesday, January 20, 2004

0830hr – 0900hr   A Robust Optimization Approach to Supply Chain Management
Dimitris Bertsimas, MIT

0900hr – 0930hr   Improved O(N) neighbor list method using domain decomposition and data sorting
Zhenhua Yao, NUS, NTU

0930hr – 0950hr   Global Optimization with Polynomials
Deren Han, NUS

0950hr – 1010hr   Simulation of Flow Field and Particle Trajectories in Hard Disk Drive Enclosures
Song Hanbin, NTU

1010hr – 1030hr   Reduced-Basis Methods for Inverse Problems in Partial Differential Equations
C.N. Nguyen, NUS

1030hr – 1045hr   **Break**

1045hr – 1115hr   Unsteady Flow Sensing and Estimation via the Gappy Proper Orthogonal Decomposition
Karen Willcox, MIT

1115hr – 1145hr   An Asymptotically Optimal On-Line Algorithm for Parallel Machine Scheduling
Mabel Chou, NUS

1145hr – 1205hr   Performance Analysis of Metamaterials With Two-dimensional Isotropy
Hai-Ying Yao, NUS

1205hr – 1225hr   Partitioned Conduction Modes in Surface Integral Equation-Based Impedance Extraction
X. Hu, MIT

End of Day 2