

Revised Program

2006/12/12

13:20-14:20 Keynote lecture : K. Chiba, JAXA, Japan, (Chair: Y. Ohta)

**Multidisciplinary Design Exploration for Transonic Regional-Jet Wing Shape**

14:30-15:10 Keynote lecture : Y. Hirano, JAXA, Japan, (Chair: K.N. Koo)

**Stacking-sequence Optimization of Composite Wing For Improving Transonic Flutter Limit**

15:15-15:55 Keynote lecture : I.Lee, KAIST, Korea, (Chair: A.Todoroki)

**Computational Analysis of Fluid/Structure Interaction for Flight Vehicle Structures**

16:00-17:00 (Chair: K. Chiba)

K.N. Koo, University of Ulsan, Korea

**Stress and Vibration Analysis of Rotating Laminated Composite Disks**

K.N. Song, Korea Atomic Energy Research Institute, Korea

**Multidisciplinary Design of the Spacer Grid Assembly for PWR Fuel**

Welcome party

2006/12/13

9:00-10:00 Keynote lecture : K. Srinivas, Tohoku University, Japan, (Chair: I. Lee)

**Optimization of Cardiovascular Stents**

10:10-11:10 (Chair: S. Jeong)

D.H. Kim, GyeongSang National University, Korea

**Multidisciplinary Aeroelastic Computation of Composite Curved Wings**

S. Obayashi, Tohoku University, Japan

**A New Approach for Multidisciplinary Design - Multi-Objective Design Exploration**

11:10-12:10 (Chair: K.N. Song)

M. Arakawa, Kagawa Univ., Japan

**Reconsideration of Adaptive Range Genetic Algorithms**

Y. Kawakami, A. Todoroki, and M. Sekishihiro, Tokyo Tech, Japan

**Structural Optimization of CF/GF Hybrid Wind Turbine Blade Using Multi-Objective Genetic Algorithm and Kriging Model Response Surface Method**

Lunch time

13:20-15:50 (Chair: Y. Hirano)

I.K. Oh, Chonnam National University, Korea

**Active Suppression of Thermoelastic Snap-through of Cylindrical Piezolaminated Panels**

M. Kameyama, Tohoku University, Japan

**Optimal Placement of Sensors and Actuators for Active Flutter Suppression of Composite Plate Wings**

A. Tabata Y. Aoki, Nihon Univ., Japan

**Application of Support Vector Machines to Health Monitoring of Vehicle Structure**

16:00-17:00 (Chair: I.K. Oh)

S. Jeong, Tohoku University, Japan

**Design Exploration into a Tire Noise Reduction Problem**

M. Koishi, The Yokohama Rubber Co., Ltd

**Multi-Objective Design Optimization of Tire Wear and Visualization of Its Pareto Solutions**

Banquet

2006/12/14

9:00-10:00 Keynote lecture: K. Yamazaki, S. Kitayama, Kanazawa Univ., Japan, (Chair: S. Obayashi)

**Response Surface Approach and Global Optimization for Multidisciplinary Design**

10:10-12:10 (Chair: D.H. Kim)

A. Todoroki, Tokyo Tech, Japan

**Fractal Branch and Bound Method for Stacking Sequence Optimization of Laminated CFRP with Constraints**

Y. Ohta, M. Takahashi, Hokkaido Institute of Technology, Japan

**Topology Optimization for Cantilevered Beam-type Structures of Aluminum Hollow Extrusion under Multiple Loading**

R. Matsuzaki, Tokyo Tech, Japan

**Stacking Sequence Optimization Using Fractal Branch and Bound Method for Unsymmetrical Composite Laminates**

K. Sugimura, K. Shimoyama, S. Jeong and S. Obayashi, Tohoku University, Japan

**Multi-Objective Design Optimization of Air Cleaner Fan Using Kriging Model**