

The First Asian Symposium on Smart Processing Technology

Friday, October 31, 2008
Arata Memorial Hall
Smart Processing Research Center (SPRC)
Joining and Welding Research Institute (JWRI)
Osaka University, JAPAN

SPONSORS

JWRI, Osaka University, JAPAN
CRERC, Kyungnam University, KOREA
BK21, Pusan National University, KOREA
NANOTEC, NSTDA, THAILAND
G-COE, Osaka University, JAPAN

OPENING ADDRESS

09:30 - 09:40

Address form Each Sponsor

SESSION - 1

09:40 - 10:40

An Overview of R&D in Advanced/Smart Processing Technology in NSTDA
Dr. Wiwut Tanthapanichakoon, NANOTEC, THAILAND

G-COE Program: Center of Excellence for Advanced Structural and Functional Materials Design
Prof. Tomoyuki Kakesita, G-COE, Osaka University, JAPAN

Coffee Break (10:40 - 10:50)

SESSION - 2

10:50 - 12:20

Fabrication of Ceramic Micropatterns by Using Stereolithography for Artificial Photosyntheses in Terahertz Wave Frequency
Prof. Soshu Kiriwara, Osaka University, JAPAN

Electrical and Mechanical Properties of Transparent Conductive Electrode Materials Prepared on Flexible Substrate
Prof. Pung-keun Song, Pusan National University, KOREA

Study on Morph-Genetic Materials at State Key of Metal Matrix Composites
Prof. Di Zhang, Shanghai Jiao Tong University, CHINA

Lunch (12:20 - 14:00)

SESSION - 3

14:00 - 15:30

Preparation of Ultrafine TiC, MgAl₂O₄ and AlON Composite Powder Using Chemical Furnace
Prof. Byung Sei Jun, Kyungnam University, KOREA

Ripeness Identification of 'Nam Dok Mai' Mango by Using an Electronic Nose
Dr. Somboon Sahasithiwat, MTEC, THAILAND

A New Recycling Material for Removing Phosphorus from Wastewater
Prof. Chan Won Lee, CRERC, Kyungnam Univeristy, KOREA

Poster Session & Coffee Break (15:30 - 16:10)

SESSION - 4

16:10 - 17:10

Strengthening Mechanism of TRIP, DP & QP Steels for High Strength Automobile Steels
Prof. Nam-hyun Kang, Pusan National University, KOREA

Fundamental Studies on Super Weld Joint for High Strength Steels
Prof. Yu-ichi Komizo, Osaka University, JAPAN

CLOSING REMARKS

17:10 - 17:20

Prof. Makio Naito, Director of Smart Processing Research Center

BANQUET

17:20 - 19:00

Lobby in Arata Memorial Hall