

# International Symposium on Advanced Materials Design and Processing

Thursday, September 10, 2009  
Sanwa Hall, Icho Kaikan, Suita Campus, Osaka University

Sponsored by  
ASFMD (G-COE), Osaka University, JAPAN  
JWRI, Osaka University, JAPAN

## OPENING ADDRESS

13:30 - 13:40

Prof. Toshihiro Tanaka, ASFMD (G-COE), Osaka University, JAPAN

## SESSION-1: Interface Characterization and Control

13:40 - 15:30

Lecture 01: 13:40 - 14:10  
"Interaction Between Liquid Al-containing Melts and Yttria-containing Ceramics"  
Dr. Natalia Sobczak, Foundary Research Institute, POLLAND

Lecture 02: 14:10 - 14:40  
"Interface Reactions in Microelectric Solder Joints"  
Prof. Fiqiri Hodaj, LTPCM, FRANCE

Lecture 03: 14:40 - 15:10  
"Nature-inspired Design of Highly Toughened Materials"  
Prof. Antoni Tomsia, Lawrence Berkeley National Laboratory, USA

Coffee Break ( 15:10 - 15:30 )

## SESSION-2: Materials Processing and Characterization

15:30 - 17:00

Lecture 04: 15:30 - 16:00  
"Aerosol Synthesis and Characterization of Rare-earth Based Nanophased Functional Materials"  
Dr. Olivera Milosevic, SASA, SERBIA

Lecture 05: 16:00 - 16:30  
"Nanoscale Luminescent Materials"  
Dr. Kevin Ewsuk, Sandia National Laboratories, USA

Lecture 06: 16:30 - 17:00  
"Designing with Brittle Materials"  
Dr. Stephen Freiman, Freiman Consulting Incorporated, USA

## CLOSING REMARKS

17:00 - 17:10

Emeritus Prof. Kiyoshi Nogi, JWRI, Osaka University, JAPAN

## BANQUET

17:10 - 18:30

Minerva, Icho Kaikan, Osaka University

## CONTACT

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**NOTES: Participations in Symposium and Banquet are Free.**