

5th Fulrath Memorial International Symposium on Advanced Ceramics
April 8, 2009 TOKYO BIG SIGHT (Tokyo, Japan)

■ Program

| Time | Session | Lecture Title | Speaker |
|-------------|---|---|---|
| 9:15-9:25 | Opening Address | | Noboru Ichinose , <i>President; Japan Fulrath Memorial Award Committee</i> |
| 9:25-9:45 | General Session 1 | Advanced Research & Development Alliance among Industry, University, and Government | Shigekazu Sumita , <i>TDK Corporation</i> |
| 9:45-10:05 | General Session 2 | High Pressure Synthesis of Silicon Clathrate Superconductors and Carbon Analogs | Shoji Yamanaka , <i>Hiroshima University</i> |
| 10:05-10:25 | General Session 3 | Laser-Induced Crystallization and Patterning of Ferroelectric Crystals in Glass | Takayuki Komatsu , <i>Nagaoka University of Technology</i> |
| 10:25-10:45 | General Session 4 | Some Factors Affecting Spark Plasma Sintering | Yoshio Sakka and Salvatore Grasso , <i>University of Tsukuba and National Institute for Materials Science</i> |
| 10:45-11:00 | Break | | |
| 11:00-11:20 | General Session 5 | Microwave Dielectric Losses Caused by Lattice Defects | Hiroshi Tamura , <i>Murata Manufacturing Co., Ltd.</i> |
| 11:20-11:40 | General Session 6 | Intrinsic Dielectric Loss and Effect of Oxygen Defect in Ba(Mg _{1/3} Ta _{2/3})O ₃ Microwave Ceramics | T. Shimada, K. Ichikawa and T. Minemura , <i>Hitachi Metals LTD.</i> |
| 11:40-12:00 | General Session 7 | Phase Diagram and Consolidation of Colloidal Nanoparticles | Yoshihiro Hirata, Naoki Matsunaga and Soichiro Sameshima , <i>Kagoshima University</i> |
| 12:00-12:20 | General Session 8 | Design of Size and Interconnections of Novel Complex Oxide Powders | Satoshi Wada , <i>University of Yamanashi</i> |
| 12:20-12:50 | Special Session 1 | Chemically Designed Nanoparticles, Nanowires and Nanocomposites: Processing, Applications and Devices | Sanjay Mathur , <i>University of Cologne</i> |
| 12:50-14:10 | Lunch Break (13:30-14:30: Special Lecture of Dr. Hiroyuki Yoshikawa, President of AIST: at other meeting room) | | |
| 14:10-14:40 | Special Session 2 | Hertzian Indentation of Si ₃ N ₄ Using Si ₃ N ₄ Balls | Andrew A. Wereszczak , <i>Oak Ridge National Laboratory</i> |
| 14:40-15:00 | General Session 9 | Microstructural Design of Dielectrics for Ni-MLCC with Ultra-Thin Active Layers | Youichi Mizuno , <i>Taiyo Yuden Co., Ltd.</i> |
| 15:00-15:20 | General Session 10 | Ni Paste Study for Ultra Thin MLCC Electrode | Yuji Akimoto , <i>Shoei Chemical Inc.</i> |
| 15:20-15:40 | General Session 11 | Growth of Polar-axis-oriented Epitaxial Pb(Zr, Ti)O ₃ Thick Films with Small Strain | Hiroshi Funakubo et al. , <i>Tokyo Institute of Technology, Bruker AXS</i> |
| 15:40-16:00 | General Session 12 | Soft Magnetic Properties of M-Hexagonal Ferrites (Ba,Sr)Fe _{12-2x} Co _x Me _x O ₁₉ (Me=Ti, Zr, Hf) | Nobuyuki Hiratsuka , <i>Saitama University</i> |
| 16:00-16:10 | Break | | |
| 16:10-16:30 | General Session 13 | Recent Development of Nanostructured Thermoelectrics | Kunihito Koumoto , <i>Nagoya University</i> |
| 16:30-16:50 | General Session 14 | Surface Functions of Bioceramic Electrets | Kimihiro Yamashita , <i>Tokyo Medical and Dental University</i> |
| 16:50-17:10 | General Session 15 | Towards Innovation in Interface Characterization of Ceramics | Yuichi Ikuhara , <i>The University of Tokyo</i> |
| 17:30- | Reception | | |