

## Poster Session

**Friday, October 27**

### “KYOKUKO (ASAHI & HIKARI)”

18:00 – 18:30 **Free Session**  
18:30 – 19:10 **Session for Presentation Number with “A”**  
19:10 – 19:50 **Session for Presentation Number with “B”**  
19:50 – 20:30 **Session for Presentation Number with “C”**  
20:30 – 21:00 **Free Session**

P-01-A **Hideo Andoh and Hiroki Tsuya**  
(*SPS syntex Inc.*)  
“Binder-less hardmetal M78 & SPS process and systems”

P-02-B **Shuichi Arakawa**  
(*Toyota Technological Institute*)  
“Ion dynamics in perovskite-type lithium ion conductors”

P-03-C **Takayuki Ban**  
(*Gifu University*)  
“Application of sol-gel technique to synthesis of zeolites”

P-04-A **Takatoshi Futami**  
(*Toyohashi University of Technology*)  
“Contact mechanics of copper-graphite particulate composites”

P-05-B **Yuji Goto**  
(*FDK corporation*)  
“Development of high frequency multilayer device using ferrite”

P-06-C **Yongsheng Han**  
(*Nagoya Institute of Technology*)  
“Bubble template method for synthesis of hollow particles”

P-07-A **Masatomo Hattori**  
(*Nagoya Institute of Technology*)  
“Ultrasonic vibration potential of ceria-alumina composite particles and effect of the surface composition in water”

P-08-B **Atsushi Hirano**  
(*Mie University*)  
“Electrochemical properties for  $\text{Cu}_{5-x}\text{Li}_x\text{FeS}_4$ ”

P-09-C **Sawao Honda**  
(*Nagoya Institute of Technology*)  
“Thermal shock testing of ceramics”

P-10-A **Kouki Horiba**  
(*Isolite Insulating Products Co., LTD.*)  
“Business Guide -Isolite Insulating Products Co., Ltd.-”

P-11-B **Kazuomi Hoshino**  
(*Cotec Co., LTD.*)  
“Invitation of company and technology”

P-12-C **Hiroshi Itahara**  
(*Toyota Central R&D Labs. Inc.*)  
“Fabrication of textured ceramics of thermoelectric layered cobaltites”

P-13-A **Kouta Iwasaki**  
(*Nagoya University*)  
“Thermoelectric properties of  $\text{Sr}_6\text{Co}_5\text{O}_{15-x}$  single crystal”

P-14-B **Kiyofumi Katagiri**  
(*Nagoya University*)  
“Preparation of multilayered organic-inorganic nanohybrids via layer-by-layer assembly”

P-15-C **Juji Kato**  
(*FDK Corporation*)  
“Mechanical and magnetic properties of multilayer ferrite”

**P-16-A Takeharu Kato**

*(Japan Fine Ceramics Center)*

“Nanostructural characterization of YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> coated conductors with BaZrO<sub>3</sub> rods deposited by pulsed-laser deposition”

**P-17-B Yoshiaki Kinemuchi**

*(National Institute of Advanced Industrial Science and Technology (AIST))*

“c-Axis texturing of Bi<sub>4</sub>Ti<sub>3</sub>O<sub>12</sub> thick film”

**P-18-C Nobuyuki Kobayashi**

*(NGK Insulators LTD.)*

“Micro-ceramic technology”

**P-19-A Yoshimasa Kobayashi**

*(NGK Insulators LTD.)*

“Microcracking behavior of AlN ceramics in sliding test”

**P-20-B Naoki Kondo**

*(National Institute of Advanced Industrial Science and Technology (AIST))*

“Silicon nitride based ceramics for metal casting use”

**P-21-C Liwei Lin**

*(Nagoya Institute of Technology)*

“Effect of pH on synthesis of single crystalline ZnO tubes”

**P-22-A Hiroki Maenami**

*(INAX Corporation)*

“Hydrothermal solidification of Al-rich inorganic waste materials”

**P-23-B Yoshitake Masuda**

*(National Institute of Advanced Industrial Science and Technology (AIST))*

“Morphology control of zinc oxide particles at low temperature”

**P-24-C Atsunori Matsuda**

*(Toyohashi University of Technology)*

“New proton conductive composites with multi-heterointerface structures”

**P-25-A Ruben Labandera Menchavez**

*(Nagoya Institute of Technology)*

“Gelcasting of alumina slurry with additions of polyacrylamide and plasticizer”

**P-26-B Takashi Miwa**

*(Gifu University)*

“Fabrication of PZT thin film from halogen-free aqueous PZT precursor solution”

**P-27-C Keita Miyajima**

*(Noritake Co. Limited)*

“Fabrication of Si-N based microporous membrane for high temperature hydrogen separation”

**P-28-A Yoichiro Mizutani**

*(NGK Spark Plug Co., LTD.)*

“Preparation of poly (lactic acid) short fibers for the application to porous composites”

**P-29-B Akira Morikawa**

*(Toyota Central R&D Labs. Inc.)*

“New concept CeO<sub>2</sub>-ZrO<sub>2</sub> solid solution for automotive exhaust catalysts”

**P-30-C Hiroyuki Muto**

*(Toyohashi University of Technology)*

“Surface deformation of superplastic materials at elevated temperatures”

**P-31-A Atsushi Nagai**

*(Noritake Co. Limited)*

“Pb-free silver conductive paste with high reliability”

**P-32-B Takaaki Nagaoka**

*(National Institute of Advanced Industrial Science and Technology (AIST))*

“Forming and sintering of alumina-based ceramics by new eco-friendly process”

**P-33-C Tomoaki Nakamura**

*(Gifu University)*

“Fabrication of barium titanate using precursor solution prepared by aqueous halogen-free titanate solution”

**P-34-A Yasuhisa Nakanishi**

*(NGK ADREC CO.,LTD.)*

“Information of NGK ADREC CO., LTD.”

**P-35-B Yoshitoyo Nishio**

*(Nagoya Institute of Technology)*

“Effect of preparation methods on the thermal stability of rare earth modified transition alumina”

**P-36-C Seizo Obata**  
(*Gifu Prefectural Ceramics Research Institute*)

“Synthesis of hematite-alumina red pigment for porcelain”

**P-37-A Satoshi Ohara**  
(*Tohoku University*)

“Supercritical hydrothermal synthesis of organic-inorganic hybrid nanoparticles”

**P-38-B Yoshimi Ohzawa**  
(*Aichi Institute of Technology*)

“Surface-modification of carbon for lithium-ion battery using chemical vapor infiltration”

**P-39-C Ryo Sasai**  
(*Nagoya University*)

“Resource recovery from advanced ceramics by hydrothermal treatment”

**P-40-A Yoshiyuki Sensui**  
(*MINO CERAMIC Co., Ltd.*)

“to be determined”

**P-41-B Tsuyoshi Suwa**  
(*Nagoya Institute of Technology*)

“Partially-disordered structure of quasi one-dimensional conductor  $Tb_3RuO_7$ ”

**P-42-C Kazuyuki Suzuki**  
(*National Institute of Advanced Industrial Science and Technology (AIST)*)

“Construction and characterization of (Y,Yb)MnO<sub>3</sub>/HfO<sub>2</sub> stacking layers for application to FeRAM”

**P-43-A Yosuke Takahashi**  
(*Noritake Co. Limited*)

“Development of ceramic membrane for oxygen gas separation”

**P-44-B Chika Takai**  
(*Nagoya Institute of Technology*)

“Improvement of nano silica particle dispersability into polymer matrix”

**P-45-C Kosuke Tamaki**  
(*Nagoya Institute of Technology*)

“Flexible ceramic imitating itacolumite (Konnyaku stone)”

**P-46-A Takahiro Tomita**  
(*NGK Insulators Ltd.*)

“Environmentally benign processing of ceramic foam by combining sol-gel reaction and mechanical foaming”

**P-47-B Takahisa Tsugoshi**  
(*National Institute of Advanced Industrial Science and Technology (AIST)*)

“Applications of ion attachment mass spectrometry (IAMS) for monitoring of firing process”

**P-48-C Daisuke Uematsu**  
(*Nagoya Institute of Technology*)

“Magnetic properties of Bi substituted garnet thin film on GGG (100) and (110) substrate for MO indicator”

**P-49-A Masashi Wada**  
(*Japan Fine Ceramics Center*)

“Oxygen permeation property of oxide ceramics at ultra-high temperature”

**P-50-B Dong-Mei Wang**  
(*Science and Technology Commission of Shanghai Municipality*)

“Materials research in Shanghai”

**P-51-C Osamu Watanabe**  
(*INAX Corporation*)

“Development of an autonomous humidity controlling material with meso pores”

**P-52-A Toshiaki Yamaguchi**  
(*National Institute of Advanced Industrial Science and Technology (AIST)*)

“Advanced ceramic reactor research project”

**P-53-B Takashi Yoshiguchi**  
(*Nagoya Institute of Technology*)

“Crystal growth of KNbO<sub>3</sub> by solution-dropping method”

**P-54-C Takeshi Yokota**  
(*Nagoya Institute of Technology*)

“Preparation and the dielectric properties of magneto-electric capacitor: (Cr, Fe)<sub>2</sub>O<sub>3</sub> thin films

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