Map of Egret Himeji

4F
- Exhibitions & Wireless LAN
- Room 1 & 2
- Staff Room
- Lobby
- WC
- Library Corner
- Kitchen

3F
- The I-messae Hall (Oral sessions)
- Reception
- WC
- Registration Desk
- EV Hall
- Library Information Corner
- Kitchen
- (Coffee Break)

B1F
- Lobby
- Exhibition Hall 3 & 4 (Poster Sessions Coffee Break Exhibitions)
- WC
- EV

* No food or drink allowed in the lobby and I-messae Hall.
<table>
<thead>
<tr>
<th>Time Table of JKC-FE08</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aug. 3 (Tue.)</strong></td>
</tr>
<tr>
<td>15:00 - 18:00</td>
</tr>
<tr>
<td>17:00 - 19:00</td>
</tr>
<tr>
<td><strong>Aug. 4 (Wed.)</strong></td>
</tr>
<tr>
<td>9:50 - 10:00</td>
</tr>
<tr>
<td>10:00 - 11:10</td>
</tr>
<tr>
<td>11:10 - 11:50</td>
</tr>
<tr>
<td>11:50 - 13:10</td>
</tr>
<tr>
<td>13:10 - 14:40</td>
</tr>
<tr>
<td>14:40 - 16:10</td>
</tr>
<tr>
<td>16:10 - 17:40</td>
</tr>
<tr>
<td>17:40 - 17:55</td>
</tr>
<tr>
<td>17:55 - 19:15</td>
</tr>
<tr>
<td><strong>Aug. 5 (Thu.)</strong></td>
</tr>
<tr>
<td>9:00 - 10:30</td>
</tr>
<tr>
<td>10:30 - 12:00</td>
</tr>
<tr>
<td>12:00 - 13:10</td>
</tr>
<tr>
<td>13:10 - 13:50</td>
</tr>
<tr>
<td>13:50 - 21:00</td>
</tr>
<tr>
<td><strong>Aug. 6 (Fri.)</strong></td>
</tr>
<tr>
<td>9:00 - 10:40</td>
</tr>
<tr>
<td>10:40 - 10:55</td>
</tr>
<tr>
<td>10:55 - 12:25</td>
</tr>
<tr>
<td>12:25 - 12:30</td>
</tr>
</tbody>
</table>

* Oral sessions: I-messae Hall (3F)  
* Poster sessions: Exhibition Hall 3 & 4 (B1F)  
* Exhibitions: Rooms 1 & 2 (4F) / Exhibition Hall 3 & 4 (B1F)
## Program Outline of JKC-FE08

<table>
<thead>
<tr>
<th>Aug. 3 (Tue.)</th>
<th>Aug. 4 (Wed.)</th>
<th>Aug. 5 (Thu.)</th>
<th>Aug. 6 (Fri.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:50 - 10:00</td>
<td>Opening 9:00 - 9:25</td>
<td>I-10 H. Moriwake 9:00 - 9:25</td>
<td>I-14 T. Yoshimura 9:00 - 9:25</td>
</tr>
<tr>
<td>11:35 - 11:50</td>
<td>O-01 T. H. Kim 11:20 - 11:45</td>
<td>I-19 S. W. Kim 11:45 - 12:00</td>
<td>O-08 M. Aoyama 12:00 - 12:25</td>
</tr>
<tr>
<td>13:35 - 14:00</td>
<td>I-03 Y. H. Shin 14:00 - 14:25</td>
<td>Poster 1 14:25 - 14:40</td>
<td>Excursion &amp; Banquet 14:40 - 16:10</td>
</tr>
<tr>
<td>14:00 - 14:25</td>
<td>I-04 M. Kimura</td>
<td>O-07 T. Y. Koo 14:40 - 16:10</td>
<td>Coffee Break 16:10 - 16:35</td>
</tr>
<tr>
<td>14:25 - 14:40</td>
<td>O-02 M. P. Chun 16:35 - 17:00</td>
<td>I-10 J. G. Park 17:00 - 17:25</td>
<td>O-05 M. Takesada 17:10 - 17:25</td>
</tr>
<tr>
<td>14:40 - 16:10</td>
<td>Poster 1 17:25 - 17:40</td>
<td>I-06 J. G. Park</td>
<td>O-03 Y. Yoneda 17:40 - 17:55</td>
</tr>
<tr>
<td>15:00 - 18:00</td>
<td>Registration 17:55 - 18:10</td>
<td>I-07 K. Ohwada</td>
<td>Coffee Break 17:40 - 17:55</td>
</tr>
<tr>
<td>17:00 - 19:00</td>
<td>Welcome Reception 18:10 - 18:35</td>
<td>O-03 Y. Yoneda</td>
<td>Excursion &amp; Banquet 18:35 - 18:50</td>
</tr>
<tr>
<td></td>
<td></td>
<td>18:50 - 19:15</td>
<td>(Himeji Castle &amp; Kobe Bay Dinner Cruise) 18:50 - 19:15</td>
</tr>
</tbody>
</table>

Registration desk will be open during the following time;
Aug.3 : 15:00 - 18:00
Aug.4 : 9:00 - 17:00
Aug.5 : 9:00 - 13:50
Aug.6 : 9:00 - 10:00.
Program of JKC-FE08

Aug. 3 (Tue.)
Registration
15:00 – 18:00 Egret Himeji
Registration desk will be open from 9:00 to 17:00 on Aug. 4, from 9:00 to 13:50 on Aug.5 and from 9:00 to 10:00 on Aug.6.

Welcome Reception
17:00 – 19:00 Open Place Commanding a Fine View of Himeji Castle in Front of Egret Himeji

Aug. 4 (Wed.)
Opening Session
9:50 – 10:00 Masaru Shimizu (Univ. of Hyogo)
Il Won Kim (Univ. of Ulsan)

Plenary Session
(Session Chairs: Hiroyuki Mashiyama (Yamaguchi Univ.) and Jaichan Lee (Sungkyunkwan Univ.))
10:00 – 10:35 PL-01 Yukio Noda (Tohoku Univ.)
Which Is Major Player, S • S or S × S, in the Ferroelectricity of RMn₂O₅ ?
10:35 – 11:10 PL-02 Ho-Nyong Lee (Oak Ridge Nat’l Lab.)
Giant Ferroelectric Field Effect Switching in Perovskite Oxide Transistors

Magnificence in BiFeO₃ Thin Films
(Session Chair: Hiroshi Funakubo (Tokyo Inst. of Tech.))
11:10 – 11:35 I-01 Masayoshi Tonouchi (Osaka Univ.)
Terahertz Emission from BiFeO₃
11:35 – 11:50 O-01 Tae Heon Kim (Seoul Nat’l Univ.)
Switching-polarity Dependence in Polarization Reversal of Multiferroic BiFeO₃(111) Films
11:50 – 13:10 Lunch Break (80 min.)

Pb-Free Ferroelectrics and Applications
(Session Chair: Il-Won Kim (Univ. of Ulsan))
Synthesis and Structure Analysis of Alkali Niobate Piezoelectric Material
13:35 – 14:00 I-03 Young-Han Shin (Univ. of Ulsan)
Understanding of Ferroelectricity for Development and Application of Lead-free Ferroelectrics
14:00 – 14:25 I-04 Masahiko Kimura (Murata Manufacturing Co., Ltd.)
Study of Lead-free Piezoelectric Ceramics and Their Applications
14:25 – 14:40 O-02 Myoung-Pyo Chun (Korea Inst. of Ceramic Eng. & Tech.)
Effect of the Firing Conditions on the Phase Formation of Alkali Metal Niobate Piezoelectric Ceramics
Poster Session I & Coffee Break
(Session Chair: Yoshihiro Kuroiwa (Hiroshima Univ.))
14:40 – 16:10 Poster P1-001 – P1-120

Fundamental Properties of Ferroelectrics and Multiferroics
(Session Chair: Makoto Iwata (Nagoya Inst. of Tech.))
16:10 – 16:35 I-05 Masaki Takesada (Hokkaido Univ.)
Ferroelectric Phase Transitions and Photoinduced Cooperative Phenomena in Perovskites and Related Materials Studied by High Resolution Spectroscopic Technique

16:35 – 17:00 I-06 Je-Geun Park (Seoul Nat’l Univ.)
Neutron and Synchrotron Studies of Multiferroic BiFeO$_3$: Comparison with YMnO$_3$

17:00 – 17:25 I-07 Kenji Ohwada (Japan Atomic Energy Agency)
Effect of B-site Randomness on the Antiferroelectric/Relaxor Nature of the Ground State: Inelastic X-ray Scattering Study of Pb(In$_{1/2}$Nb$_{1/2}$)O$_3$

17:25 – 17:40 O-03 Yasuhiro Yoneda (Japan Atomic Energy Agency)
Local Structure Analysis of Li-substituted NaNbO$_3$

17:40 – 17:55 Coffee Break (15 min.)

Thin Films and Applications
(Session Chair: Prof. Sungkyun Park (Pusan Nat’l Univ.))
17:55 – 18:10 O-04 Sun Young Lee (Univ of Ulsan)
Effect of Mn substitution on ferroelectric and leakage current characteristics of lead-free (K$_{0.5}$Na$_{0.5}$)(Mn$_x$Nb$_{1-x}$)O$_3$ thin films

18:10 – 18:35 I-08 Cheol Seong Hwang (Seoul Nat’l Univ.)
Understanding of Ferroelectric Switching of the Ultra-thin Pb(Zr,Ti)O$_3$ Thin Films using the Inlaid Al$_2$O$_3$ Tunnel Switch Layer

18:35 – 18:50 O-05 Seiji Nakashima (Univ. of Hyogo)
An Electric-field-induced Strain in Polycrystalline BiFeO$_3$ Thin Films at Low Temperature Studied by Synchrotron Radiation

18:50 – 19:15 I-09 Jong-Gul Yoon (Univ. of Suwon)
Domain Dynamics and Electrical Properties of Ferroelectric Thin Films

Aug. 5 (Thu.)
Theory, Simulation, Modeling and ab-initio Calculations
(Session Chair: Prof. Young-Han Shin (Univ. of Ulsan))
9:00 – 9:25 I-10 Hiroki Moriwake (Japan Fine Ceramics Center)
First-principles Calculations of Ferroelectric Phase Transition of CaTiO$_3$

9:25 – 9:50 I-11 Jaichan Lee (Sungkyunkwan Univ.)
Orbital Reconstruction and Electron Localization in SrTiO$_3$/Sr$_2$La$_2$TiO$_7$ Superlattices

9:50 – 10:15 I-12 Chul-Hong Park (Pusan Nat’l Univ.)
First-principles Study of n-type Doping Mechanism of Perovskite Oxides

10:15 – 10:30 O-06 Sumio Ishihara (Tohoku Univ.)
A Theory of Electronic-type Ferroelectricity
Poster Session II & Coffee Break
(Session Chair: Satoshi Wada (Univ. of Yamanashi))
10:30 – 12:00 Poster P2-003 – P2-119

12:00 – 13:10 Lunch Break (70 min.)

Multiferroics I
(Session Chair: Yuji Noguchi (Univ. of Tokyo))
Ferroelectric Phase in Ferrimagnetic Spinel Co$_2$MnO$_4$
13:25 – 13:50 I-13 Shigeo Mori (Osaka Pref. Univ.)
Charge Ordering Phenomena in $RFe_2O_4$ ($R = Y, Yb$ and Lu)

Excursion and Banquet
13:50 – 21:00 Himeji Castle and Kobe Bay Dinner Cruise

Aug. 6 (Fri.)
Multiferroics II
(Session Chair: Prof. Je-Geun Park (Seoul Nat’l Univ.))
9:00 – 9:25 I-14 Takeshi Yoshimura (Osaka Pref. Univ.)
Polarization Switching Behavior of Magnetoferroelectric RMnO$_3$ Epitaxial Films at around the Magnetic Phase Transition Temperature
9:25 – 9:50 I-15 Hyun M. Jang (Pohang Univ. of Sci. and Tech.)
Antiferromagnetic-ordering-induced Improper Ferroelectricity and Room-temperature Magnetoelectric Coupling in SmFeO$_3$
9:50 – 10:15 I-16 Hitoshi Tabata (Univ. of Tokyo)
Multi-ferroic Properties on Spin and Charge Frustrated Systems
10:15 – 10:40 I-17 Kee Hoon Kim (Seoul Nat’l Univ.)
Realization of Giant Magnetoelectricity in Helimagnets
10:40 – 10:55 Coffee Break (15 min.)

Nano-structured Ferroelectrics
(Session Chair: Yasuhiro Yoneda (Japan Atomic Energy Agency))
10:55 – 11:20 I-18 Sang-Don Bu (Chonbuk Nat’l Univ.)
Synthesis and Ferroelectric Properties of Ultrathin-walled PZT Nanotubes
11:20 – 11:45 I-19 Sang-Woo Kim (Sungkyunkwan Univ.)
Energy Harvesting Based on Piezoelectric Nanogenerators
11:45 – 12:00 O-08 Masayoshi Aoyama (Hiroshima Univ.)
Raman Scattering Study of Nano-Particle BaTiO$_3$
Hierarchical Structure of BaTiO$_3$ Nanocrystals Based on Sonochemistry

Closing Session
12:25 – 12:30 Masaru Shimizu (Univ. of Hyogo)
Ill Won Kim (Univ. of Ulsan)
Poster session

*All posters should be displayed throughout Poster Sessions 1 & 2. Authors of poster presentation are needed to put their posters on the board before Poster Session 1 on Aug.4.

Aug. 4 (Wed.)

14:40 – 16:10  Poster 1 (Core Nos.: P1–####)

P1-001  Electrical and Magnetic Properties of Mn-Doped BiFeO₃-PbTiO₃ Thin Films Prepared by Chemical Solution Deposition

Wataru Sakamoto, Asaki Iwata, Makoto Moriya and Toshinobu Yogo

P1-005  Phase Diagram under the Electric Field in (Zn₁₋ₓNb₂₋ₓ)O₃–8%PbTiO₃

Makoto Iwata, Sadaharu Kato, Aoyagi Rintaro, Masaki Maeda and Yoshihiro Ishibashi

P1-007  Precursor Polar Clusters in the Paraelectric Phase of Ferroelectric Ba₁₋ₓCaₓTiO₃ Single Crystals Studied by Brillouin Light Scattering

Tae Hyun Kim, Jae-Hyeon Ko, Kibog Park, Sung Baek Kim and Seiji Kojima

P1-010  Inelastic Light Scattering of Divalent Ions (Ca²⁺, Sr²⁺ and Ba²⁺) Substituted (Na₀.₅Bi₀.₅)TiO₃ Single Crystals

Ryu Ohta, Yousuke Onda, Shinya Tsukada and Seiji Kojima

P1-014  Continuous Changes in Physical Property of ZnS:ZnO Thin Films Grown by Pulsed Laser Deposition


P1-017  Substitution Effect of non-magnetic Ga for Mn on Magnetic and Dielectric Properties of Multiferroic YMn₂O₄

Hiroyuki Kimura, Y. Sakamoto, M. Fukunaga, Y. Noda, N. Abe, T. Arima and H. Hiraka

P1-023  Ferroelectric properties of BiFeO₃-M₀.₅Bi₄.₅Ti₄O₁₅ (M=Na and K) thin films prepared by chemical solution deposition

Jin Won Kim, Ga Hyeon Kim, Eun Sun Kim, Yu Ri Bae, Dalhyun Do, Sang Su Kim, Won Jeong Kim, Tae Kwon Song and Byung Chun Choi

P1-025  Relationship between Relaxor-like Behavior and Antiferromagnatic Order in (1-x)BiFeO₃-xBaTiO₃

Minoru Soda, Kohki Inamura, Yusuke Wakabayashi and Kazuma Hirota

P1-026  Post nitridation of fluorinated HfO₂/Ge gate stack by nitrogen radical treatment

DongHun Lee, Hyun Lee, Hideto Imajo, Yuichi Yoshioka, Takeshi Kanashima and Masanori Okuyama

P1-029  Structural Characteristics of Epitaxially a- and b-axis-oriented (Bi₁₂₂₅Nd₀₇₃)Ti₅O₁₂ Films Fabricated on Conductive Nb:TiO₂ Substrates by High-Temperature Sputtering

Akihiro Tamura, Masafumi Kobune, Kazuki Imagawa, Hisashi Oshima, Yusuke Daiko, Atsushi Mineshige, Tetsuo Yazawa, Hiroshi Nishioka, Hironori Fujisawa, Masaru Shimizu, Hideshi Yamaguchi and Koichiro Honda

P1-031  Study of Structural and Electrical Properties of Hole-doped SrTiO₃ thin films

Joonyoung Heo and Jaichan Lee

P1-034  Manipulation of domain configuration by controlling flexoelectric effect in a high-ₐ°C ferroelectric epitaxial film

Tae Won Noh, Daesu Lee, Seung Yup Jang, Jong-Gul Yoon, Jin-Seok Chung and Tae Kwon Song
P1-038 Physical Properties of the Phase Transition in (NH₄)₃Li(SO₄)₂
Yong Jie Teng, Tadashi Kurihama, Eri Ishikawa, Toshihisa Yamaguchi and Masaya Yamamoto

P1-041 Time Dependence of α-β Phase Transition in Rb₂CdBr₄
Fuminao Shimizu, Toshihisa Yamaguchi and Masaaki Takashige

P1-046 Nanoscale Bit Formation in Highly (111)-Oriented PbTiO₃ Thin Film Deposited on Glass Substrate for High-Density Storage Media
Dae Hong Kim, Yong Kwan Kim and Sunggi Baik

P1-048 Electronic Transport Property of YbMnO₃/ZnO heterostructure
Hiroaki Yamada, Tadahiro Fukushima, Takeshi Yoshimura and Norifumi Fujimura

P1-051 Direct Piezoelectricity of PZT Films and Application to Vibration Energy Harvesting
Hiroki Miyabuchi, Takeshi Yoshimura, Shuichi Murakami and Norifumi Fujimura

P1-052 Artificially Induced Hexagonal Ferroelectricity and Spin-Canted Ferromagnetism in Epitaxially Grown YbFeO₃ Thin Films
Young Kyu Jeong, Jung-Hoon Lee, Suk-Jin Ahn, Tae-Young Kim and Hyun Myung Jang

P1-054 First-Principles Study on the Hexagonal Ferroelectricity and the Chemical-Bonding Nature in Antiferromagnetic InMnO₃
Min-Ae Oak, Jung-Hoon Lee, Callum Chalk, Seungwoo Song and Hyun Myung Jang

P1-056 Evolution of Antiferromagnetic Spin Axis in Epitaxially Strained BiFeO₃ Thin Films having Ferroelectric Mono-Domain Structures
Sangwoo Ryu, Jae-Young Kim, Byeong-Gyu Park, Jung-Hoon Lee, Jong Yeog Son and Hyun M. Jang

P1-058 Properties and characterization of MFS-FET and MFIS-FET with lead zirconate titanate (PZT) thin film
Jong-ill Jeong, Dae-Hee Han, Gui-Zhe An and Byung-eun Park

P1-061 Effect of CuO Addition on (Ba₀.₅,Sr₀.₅)TiO₃ Thick Film Interdigital Capacitors
Seok-Woo Yun and Jung-Hyuk Koh

P1-064 Ferroelectric Polarization Behaviors of Pb(Zr,Ti)O₃, SrBi₂Ta₂O₉ and Na₀.₅K₀.₅NbO₃ Thin Films Estimated using Double Wave Method
Byung Moon Jin, Hai Joon Lee, Jin Soo Kim and Ill Won Kim

P1-066 Structure and Electrical Properties of (K₀.₄₄Na₀.₄₄Li₀.₄₄)(Nb₀.₉₅₅Mn₀.₀₀₅Ta₀.₀₄)O₃ Lead-free Piezoelectric Thin Films
Hae Jin Seog, Sun Young Lee, Suk-Jin Ahn, Tae-Young Kim and Hyun Myung Jang

P1-068 Fabrication and Ferroelectric Properties of Lead free (K₀.₅Na₀.₅)(Nb₀.₉₅₅Mn₀.₀₀₅)O₃ Nanotubes
Jungmin Park, Chang Won Ahn, Hae Jin Seog and Ill Won Kim

P1-070 Ferroelectric and Piezoelectric Properties of Lead-free (K₀.₄₄Na₀.₅₂Li₀.₄₁)(Nb₀.₉₅₅Mn₀.₀₀₅Ta₂Sb₀.₀₂)O₃ Thin Films
Sun Young Lee, Hae Jin Seog, Jin Soo Kim, Sun Hee Kang, Chang Won Ahn, Hak-In Hwang and Ill Won Kim

P1-071 Structure and Electrical Properties of (Bi,La)AlO₃-Modified Bi₀.₅(Na, K)₀.₅TiO₃ Lead-free Piezoelectric Ceramics
Aman Ullah, Chang Won Ahn, Ki Bong Jang, Ju Sung Kim and Ill Won Kim

P1-073 Fourier Map Study of Normal-Commensurate Phase Transition in (N(CH₃)₄)₂MnCl₄
Naohiro Koshiji and Hiroyuki Mashiyama
P1-076 Second Sound in SrTiO$_3$ and KTaO$_3$
Akitoshi Koreeda, Akira Usbio, Ryuta Takano, Seishiro Saikan and Toshihori Yagi

P1-079 Rotational Fluctuation of Molecule in Weak Ferroelectric CC1$_3$CONH$_2$
Chikako Moriyoshi and Yoshihiro Kuroiwa

P1-084 Structural and piezoelectric properties of Ag doped 0.9(Na$_{0.52}$K$_{0.48}$)NbO$_3$-0.1LiSbO$_3$ lead-free ceramics
Kyoung-Soo Lee, Seok-Woo Yun, Soon-Jong Jeong, Kyung-Ho Cho and Jung-Hyuk Koh

P1-086 Dielectric Properties and related microstructures in (1-x)BiFeO$_3$-xBaTiO$_3$
Tomoatsu Ozaki, Yuji Noguchi, Masaru Miyayama and Shigeo Mori

P1-089 Structural Study of BaTiO$_3$-Based Ceramics under Device-Operating Environment
Hisanori Ohkubo, Chikako Moriyoshi, Fumiko Yoshida, Yoshihiro Kuroiwa, Noriyuki Inoue and Takafumi Okamoto

P1-091 Development of Electric Power Measurement for Energy Harvesting using Unimorph-type Piezoceramics
Satoshi Wada, Yoshikazu Shimura and Petr Pulpan

P1-092 Relationship between Ferroelectric Phase Transition Temperature and Electron Orbital Hybridization in Ca-Doped BaTiO$_3$
Taiki Ryu, Takashi Hashimoto, Chikako Moriyoshi, Fumiko Yoshida, Yoshihiro Kuroiwa and Jun Ikeda

P1-095 Preparation and Characterization of Polycrystalline 0.7BiFeO$_3$-0.3BaTiO$_3$ Solid Solution Thin Films by Pulsed Laser Deposition
Dong Jin Yoon, Jai-Yeoul Lee and Hee Young Lee

P1-097 Switching current measurements of PbTiO$_3$ thin films and nanoislands by atomic force microscopy
Kosei Yamada, Yoshihiro Seioh, Seiji Nakashima, Hironori Fujisawa and Masaru Shimizu

P1-099 High-Energy Synchrotron-Radiation Single Crystal Diffraction Study on Anharmonicity of BaTiO$_3$ in Cubic Phase
Takashi Hashimoto, Chikako Moriyoshi, Fumiko Yoshida and Yoshihiro Kuroiwa

P1-103 Domain Density Control of PZT Thick Films and Their Piezoelectricity Enhancement
Hiroshi Funakubo, Mitsumasa Nakajima, Satoru Utsugi, Yoshitaka Ehara, Hiroshi Nakaki, Tomoaki Yamada and Hitoshi Morioka

P1-107 Determining whether a thin film grown at room temperature can have a dielectric constant that is higher than that of its bulk material
Hyun-June Jung, Jun-Ku Ahn, Chung-Soо- Kim, Jeong-Yong Lee and Soon-Gil Yoon

P1-109 Evaluation of Aluminum-doped Zinc Oxide Top Electrode for Sol-gel Derived Pb(Zr,Ti)O$_3$ Capacitors
Kaname Izumi, Toru Tsuji, Yuichiro Hirota, Naoki Okamoto, Takeyasu Saito, Kazuo Kondo, Takeshi Yoshimura, Norifumi Fujimura, Akira Kitajima and Akihiro Oshima

P1-112 Characterizations of 0.9K$_{0.5}$Na$_{0.5}$NbO$_3$-0.02Na$_2$K$_{1.2}$Li$_2$Nb$_5$O$_{15}$ Ceramics
Byeong-Eog Jun, Young Hwan Kim, Jong-Rim Lee, Byung Chun Choi, Byung Kee Moon and Jung Hyun Jeong

P1-120 Ferroelectric and ferromagnetic properties of BiMnO$_3$ thin films
Aug. 5 (Thu.)
10:30 – 12:00 Poster 2 (Core Nos.: P2-###)
P2-003 Anisotropic mean-free-path of broad doublet in SrTiO$_3$
Kohsuke Satoh and Yuhji Tsujimi

P2-006 Acoustic Anomalies of Pb(Zr$_{1-x}$Ti$_x$)O$_3$ ($x=0.42$) Single Crystals Studied by Brillouin Light Scattering
Jae-Hyeon Ko, Tae Hyun Kim, Seiji Kojima, Alexei A. Bokov, Xifa Long and Zuo-Guang Ye

P2-008 Ordering Process in Sodium Nitrite Observed by Neutron Diffractometry
Hiroyuki Mashiyama, Tatsuki Miyoshi, Takanao Asahi, Hironobu Kasano, Yukio Noda and Hiroyuki Kimura

P2-012 Effect of Substrate Materials on Physical Properties of Nd-Substituted Bi$_4$Ti$_3$O$_{12}$ Thin Films with $a$- and $b$-Axis Orientations Deposited on IrO$_2$/Al$_2$O$_3$ and Nb:TiO$_2$ Substrates
Masafumi Kobune, Hisashi Oshima, Akihiro Tamura, Kazuki Imagawa, Yusuke Daiko, Atsushi Mineshige, Tetsuo Yazawa, Hitoshi Morioka, Keisuke Saito, Hideshi Yamaguchi and Koichiro Honda

P2-013 The effect of Pressure on the Poling Condition in the Lead-based Relaxor Ferroelectric Solid Solutions
Naohiko Yasuda, Naoki Miyazono, Hidehiro Ohwa, Yoshihito Tachi, Yohachi Yamashita, Kazuhiiko Fujita, Makoto Ivata and Yoshihiro Ishibashi

P2-016 Thermal Discharge Phenomenon on Alkali Niobate Piezoceramics
Hitoshi Matsudo, Ken-ichi Kakimoto and Isao Kagomiya

P2-021 High-Quality Single Crystals of Bi-Based Ferroelectrics Obtained by Top-Seeded Solution Growth Method
Yuuki Kitanaka, Yuji Noguchi and Masaru Miyayama

P2-024 Multiferroic (Bi$_{0.9}$Dy$_{0.1}$)(Fe$_{0.9}$Mn$_{0.1}$)O$_3$ Thin Film
Yu Ri Bae, Jin Won Kim, Ga Hyeon Kim, Eun Sun Kim, Dalhyun Do, Sang Su Kim, Won Jeong Kim, Tae Kwon Song and Byung Chun Choi

P2-028 Fabrication and Ferroelectric Property of Pr-Substituted Bi$_4$Ti$_3$O$_{12}$ Thin Films with $a$- and $b$-axis Orientations
Kazuki Imagawa, Masafumi Kobune, Akihiro Tamura, Yusuke Daiko, Atsushi Mineshige and Tetsuo Yazawa

P2-030 Fabrication and Characterization of Binary Piezoelectric (Bi$_{0.3}$Na$_{0.7}$)TiO$_3$-Ba(Cu$_{1/3}$Nb$_{2/3}$)$_2$O$_3$ System Ceramics
Kenji Teraoka, Masafumi Kobune, Yusuke Daiko, Atsushi Mineshige and Tetsuo Yazawa

P2-032 Epitaxial Growth and Electrical Characteristics of (Sr$_{1-x}$, La$_x$)TiO$_3$ Ultra-thin Film on SrTiO$_3$ and LaAlO$_3$
Jonghyun Yun, Euiyoung Choi and Jaichan Lee

P2-037 Proton-irradiation-induced anomaly in the electrical conductivity of a hydrogen-bonded ferroelastic system
Se-Hun Kim, Kyu Won Lee, Kwang-Sei Lee and Cheol Eui Lee

P2-039 Electrical Properties of Metal-Ferroelectric- Semiconductor FETs Using Organic Semiconductor poly(3-hexylthiophene) Buffer Layer
Dae-Hee Han and Byung-eun Park
P2-040 Electrical Properties of Metal-Ferroelectric-Semiconductor FETs Using Pentacene Buffer Layer with annealing temperature
Dae-Hee Han and Byung-eun Park

P2-044 Structural Investigation of Unfilled-Skutterudite Antimonides under High-Pressure
Satohiko Takanashi, Takumi Hasegawa, Norio Ogita and Masayuki Udagawa

P2-047 Characterization of Au/P(VDF-TrFE)/PVA/Si MFIS structure
Guizhe An, Jonghyun Im, Daehee Han, Jongill Jeong and Byung-eun Park

P2-049 Ferroelectric properties of P(VDF-TrFE) copolymer films on Si (100) with a DZO insulating buffer layer for FeRAMs
Jong-Hyun Im, Dae-Hee Han, Guizhe An and Byung-eun Park

P2-053 Ferroelectric properties of polyvinylidene fluoride-trifluoroethylene copolymers with different frequencies
Dae-Hee Han and Byung-eun Park

P2-055 First-Principles Study on the Off-Centering Ferroelectric Distortion and the Morphotropic Phase Boundary in La-modified BiFeO$_3$ Multiferroics
Jung-Hoon Lee, Hyoung Joon Choi, Sangwoo Ryu, Min-Ae Oak and Hyun Myung Jang

P2-057 Hexagonal Ferroelectricity and Spin-Canted Weak Ferromagnetism in Epitaxially Grown YFeO$_3$ Thin Films
Suk-Jin Ahn, Min-Ae Oak, Young Kyo Jeong, Yang Mo Koo and Hyun M. Jang

P2-060 Lattice modulation of multiferroic (Eu,Sm)Mn$_2$O$_3$ studied by synchrotron radiation x-ray
Satoru Horio, Kenta Yamazaki, Jin Lin, Mamoru Fukunaga, Hiroyuki Kimura, Yukio Noda, Nobuyuki Abe, Taka-hisa Arima, Hironori Nakao and Yusuke Wakabayashi

P2-062 Comparison Analysis of Ag(Ta$_{0.5}$Nb$_{0.5}$)O$_3$ and Ag(Ta$_{0.8}$Nb$_{0.2}$)O$_3$ Thick Films on the Alumina Substrates
Ku-Tak Lee and Jung-Hyuk Koh

P2-063 Structural and dielectric properties of (Li$_{0.875}$Na$_{0.125}$)(Nb$_{1-x}$Ta$_x$)$_3$O$_9$ ceramics

P2-065 Piezoelectric Properties of Bi$_{0.5}$Na$_{0.5}$TiO$_3$-BiAlO$_3$ Films
Chang Won Ahn, Aman Ullah, Nam Kyu Cho, Hak In Hwang and Ill Won Kim

P2-067 Effects of Zr substitution on Dielectric and Conduction Behaviors of lead-free Bi$_{0.5}$(Na$_{0.78}$K$_{0.22}$)$_{0.5}$Ti$_{1-x}$Zr$_x$O$_3$ ceramics

P2-069 Piezoelectric Properties of Grain Oriented Bi$_{0.5}$(Na, K)$_{0.5}$TiO$_3$-BiAlO$_3$ Ceramics Fabricated by Reactive Templated Grain Growth Method

P2-072 Polar Nanodomains and Magnetocapacitance Effect in Hexagonal $R$(Fe,Ti,V)O$_3$ ($R$=Lu,Yb)
Takuya Hoshiyama, S. Mori, K. Yoshii, T.Kambe, N. Ikeda and N. Kimizuka

P2-074 Photoinduced Effects of PbZr$_{1-x}$Ti$_x$O$_3$ Thin Films by UV-illumination

P2-077 Self Similarity of the Central Peak of PM Observed by Light Scattering
Akitoshi Koreeda, Seishiro Saikan, Hiroki Taniguchi and Mitsurol Itoh

P2-080 Piezoelectric Tunable Resonant Microsensors for Multiple-Frequency Ultrasonic Measurement
Kaoru Yamashita, Kenji Tomiyama, Keita Yoshikawa and Minoru Noda
P2-081 Ferroelectric Properties of (K,Na,Li)(Nb,Ta,Sb)O$_3$ Films Fabricated by RF Magnetron Sputtering
Ju Sung Kim, Chang Won Ahn, Nam Kyu Cho, Hak In Hwang and Ill Won Kim

P2-082 Preparation and Characterization of BiFeO$_3$ Thin Film on ITO substrate by Pulsed Laser Deposition
Jung Min Park, Fumiya Gotoda, Seiji Nakashima, Takeshi Kanashima and Masanori Okuyama

P2-085 Effects of Cu and Bi co-doping on Curie temperature and ferroelectric properties in BaTiO$_3$
and B. C. Choi

P2-088 Microscopic origin of ferroelectric phase transition in BaTiO$_3$ probed by resonant x-ray emission spectroscopy
Yoichi Isohama, Nobuo Nakajima, Gouki Watanabe, Hiroshi Maruyama, Yasuhisa Tezuka and Toshiaki Iwazumi

P2-090 Microstructure Control of Barium Titanate Grain-oriented Ceramics and Their Piezoelectric Properties
Satoshi Wada, Rintaro Mori, Petr Pulpan, Hiroshi Hayashi, Yoshitaka Nagamori and Yuichi Yamamoto

P2-094 Characterization of Multiferroic (1-x)BiFeO$_3$-xBaTiO$_3$ Thin Films by Pulsed Laser Deposition
K. M. Kim, D. J. Yoon and H. Y. Lee

P2-096 Fabrication of PZT/ZnO nanorods by MOCVD
Yasunori Imi, Ryohei Kuri, Masaru Shimizu, Hironori Fujisawa, Seiji Nakashima, Yasutoshi Kotaka and Koichiro Honda

P2-098 PbTiO$_3$ thin films grown on vicinal SrTiO$_3$(001) substrate
Hiroaki Yane, Ryo Nagasoe, Yukio Hiki, Seiji Nakashima, Hironori Fujisawa and Masaru Shimizu

P2-101 A nonvolatile memory device made of a ferroelectric polymer gate nanodot and a single-walled carbon nanotube
Jong Yeog Son, Young-Han Shin, Sangwoo Ryu, Yoon-Cheol Park, Yun-Tak Lim and Hyun M. Jang

P2-104 Estimation of spontaneous polarization from soft-mode using strain-free tetragonal polar-axis oriented Pb(Zr,Ti)O$_3$ thick films
Yoshitaka Ehara, Satoru Utsugi, Mitsumasa Nakajima, Tomoaki Yamada and Hiroshi Funakubo, Takashi Iijima

P2-108 Photoinduced Effect in Li doped ZnO by Brillouin Scattering
Daisuke Kagami, Masaki Takesada, Akira Onodera and Hiroyasu SATOH

P2-110 Local covalency of ferroelectrics probed by x-ray emission spectroscopy
Nobuo Nakajima, Yoichi Isohama, Gouki Watanabe, Yasuhisa Tezuka, Toshiaki Iwazumi and Hiroshi Maruyama

P2-119 Ferroelectric Properties of Epitaxial BiFeO$_3$ Thin Films Deposited by Ion Beam Sputtering
Yosuke Tsujita, Seiji Nakashima, Hironori Fujisawa, Jung Min Park, Takeshi Kanashima, Masanori Okuyama and Masaru Shimizu
B1F Exhibition Hall 3 & 4
Core time:  
P1-xxx: 8/4 14:40 - 16:10
P2-xxx: 8/5 10:30 - 12:00

Exhibitions

Drink Corner