



Event Schedule

The 16th Japan-China Symposium on Ferroelectric Materials and Their Applications

Friday, July 19, 2024, at Matsue Terrsa Hall

16:00~20:00 Conference Registration

17:30~20:00 Welcome Reception

FreeWi-Fi

SSID: TerrsaFreeWi-Fi

Pass: 0852315550

Saturday, July 20, 2024

08:30~17:05 Conference Registration

09:00~17:05 Oral and Poster Sessions at Matsue Terrsa Hall

17:30~21:00 Banquet at Yuushien (由志園), Japanese Garden in Daikonshima Island

Sunday, July 21, 2024

08:30~12:00 Conference Registration

09:00~17:45 Oral Sessions at Matsue Terrsa Hall

Monday, July 22, 2024

08:30~16:00 Excursion to Izumo-Taisha Shrine and Tamatsukuri Onsen Hot Springs

Host and Sponsors

Host : The Dielectric Society of Japan



Joint Host : Shimane University

Joint Host : Transformative Research Areas (A) "1000-Tesla Science"



Sponsors: Shimane Prefecture



Matsue city



Instructions for Presenters

Oral Presentations

The presentation times for each are as follows, including discussions and cable connection procedure. Since the schedule is quite tight, completing your laptop connection test before your presentation is strongly recommended. Standard audio-visual equipment includes an LCD projector with a HDMI connection, a laser pointer, and a microphone.

Presentation Time	
Plenary Lecture	45 min.
Invited Lecture	30 min.
Invited talk from the Japanese side:	30 min.
Invited talk from the Chinese side	20 min.
Regular talk	15 min.

Poster Presentations (13:00-14:30, July 20)

The poster sessions will be held at the back of Hall A and in the atrium. Posters should be set up before 12:30 on July 20.

The size of each panel is 120 cm wide x 180 cm height. The poster should be put on the board to make the program number visible. Pins will be provided at the venue to fix the posters on the board. The paper title, author(s)' name(s), and affiliation(s) should be prepared by the author(s) and posted on top of the panel. Take off your poster during the evening coffee break from 15:35.

Poster Awards

The organizing committee will present the Student Presentation Awards and Young Scientist Award at the JCFMA-16. The award winners will be granted at the banquet on July 20.

Oral Presentations

– Session Titles

Saturday, July 20, 2024				
Hall A			Hall B	
9:00	Opening			
9:15	Plenary lecture : Guo			
10:00	Break			
10:15	Microstructure & Emergent Properties		10:15	Bi System
10:45			10:35	
11:05			11:05	
11:25			11:25	
11:40			11:40	
	PhotoSession & Lunch			
13:00	Poster			
14:30	Low-		14:30	Exploration
14:50	Dimensional		15:00	and Synthesis
15:20	System		15:20	of Oxides
15:35	Break			
15:50	Alternative Current Poling		15:50	Films and Composites
16:10			16:05	
16:30			16:20	
16:45			16:35	

Sunday, July 21, 2024				
Hall A		Hall B		
9:00	Plenary lecture : Moriwake			
9:45	Break			
10:00	BaTiO ₃ and Metrology		10:00	Application & Bi System
10:30			10:20	
10:50			10:40	
11:10			11:00	
11:40			11:30	
			11:45	
12:00	Lunchi			
13:00	P-E coupling & giant magnetic field effects		13:00	Synthesis and Utilization
13:20			13:20	
13:40			13:35	
13:55			13:50	
14:25			14:20	
14:40	Break			
14:55	Chirality & Organics		14:55	TiO ₂ & KNN
15:25			15:25	
15:40			15:40	
15:55			15:55	
	Break			
16:30	Lectures on Organic Ferroelectrics			
17:00				
17:30	Closing			

– Chairpersons

Saturday, July 20, 2024				
Hall A			Hall B	
9:00	Opening			
9:15	Desheng FU			
10:00	Break			
10:15	Dou ZHANG		10:15	Hiroaki Takeda
10:45			10:35	
11:05			11:05	
11:25			11:25	
11:40			11:40	
	PhotoSession & Lunch			
13:00	Poster			
14:30	Eisuke TOKUMITSU		14:30	Jiwei ZHAI
14:50			15:00	
15:20			15:20	
15:35	Break			
15:50	Haosu LUO		15:50	Watraru SAKAMOTO
16:10			16:05	
16:30			16:20	
16:45			16:35	

Sunday, July 21, 2024				
Hall A		Hall B		
9:00	Yoshihiro KUROIWA			
9:45	Break			
10:00	Satoshi WADA		10:00	Jianguo ZHU
10:30			10:20	
10:50			10:40	
11:10			11:00	
11:40			11:30	
			11:45	
12:00	Lunchi			
13:00	Takeshi YOSHIMURA		13:00	Zhigao HU
13:20			13:20	
13:40			13:35	
13:55			13:50	
14:25			14:20	
14:40	Break			
14:55	Xiaoyong WEI		14:55	Jialiang ZHANG
15:25			15:25	
15:40			15:40	
15:55			15:55	
	Break			
16:30	Guorong LI			
17:00				
17:30	Closing			

Oral presentations at a glance

Saturday, July 20, 2024

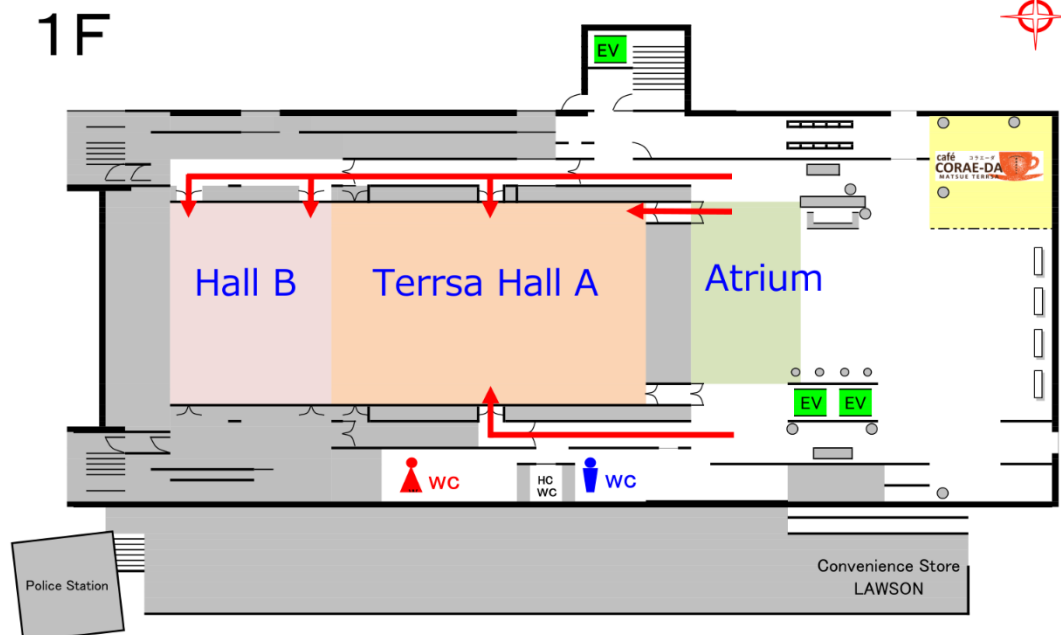
Hall A	Hall B
9:00 Opening	
9:15 Y. Guo	
10:00 Break	
10:15 Y. Noguchi	10:15 H. Fan
10:45 J. Sun	10:35 H. Nam
11:05 X.K. Wei	11:05 W. Ge
11:25 C.T.LUO	11:25 Y. Ishii
11:40 Y. Zhuang	11:40 Q. Wang
PhotoSession & Lunch	
13:00 Poster	
14:30 F. Xue	14:30 D. Kato
14:50 T. Yoshimura	15:00 J. Wang
15:20 W.-Y. Tong	15:20 W. Yi
15:35 Break	
15:50 Y. Yamashita	15:50 T. Jia
16:05 L. WANG	16:10 Y. Zhang
16:20 H. Maiwa	16:30 J. Hirade
16:35 S. Wada	16:45 Z. Guan

Plenary 45min.
Invited 30 min.
Invited 20min.
Oral 15min.

Sunday, July 21, 2024

Hall A	Hall B
9:00 H. Moriwake	
9:45 Break	
10:00 D. Morikawa	10:00 H. Wang
10:30 L. Luo	10:20 H. Luo
10:50 X. Y. Kong	10:40 Z. Wang
11:10 N. Oshime	11:00 K. Shigematsu
11:40 H. Zhang	11:30 Y. HAO
	11:45 W. Wang
12:00 Lunchi	
13:00 L. Jin	13:00 C. Wang
13:20 F. Li	13:20 H. Takeda
13:40 W. Sakamoto	13:35 M. Yamaguchi
13:55 Y. Matsuda	13:50 D. Fu
14:25 P. Chiu	14:20 J. Cheng
14:40 Break	
14:55 T. Nomura	14:55 T. Kuwano
15:25 Y. Tomita	15:25 X. Wang
15:40 Y. Xie	15:40 J. Xing
15:55 B. Hu	15:55 T. Zheng
16:30 R. Xiong	
17:00 T. Nakamura	
17:30 Closing	

Matsue TERRSA Guide



Hall A on Saturday, July 20, 2024

09:00 - 09:15 Opening

09:15 - 10:00 Plenary Session

Chair: Desheng FU

09:15 20PL Yiping Guo (Shanghai Jiao Tong University) Plenary Lecture
Lead-free piezoceramic co-fired multilayer actuators with ultrahigh electro-strain enabled by defect dipole design

10:15 - 11:55 Oral Session on Microstructure & Emergent Properties

Chair: Dou ZHANG

10:15 20A-01 Y. Noguchi (Kumamoto University) Invited talk
Defect-polarization interactions in ferroelectric oxides

10:45 20A-02 J. Sun (Central South University) Invited talk
Ferroelectric-2D Heterostructured Devices and Their Memory Applications

11:05 20A-03 X.-K. Wei (Xiamen University) Invited talk
Microstructure and structural phase transition in ferroelectric $\text{Pb}(\text{Zr,Ti})\text{O}_3$ crystals

11:25 20A-04 C. T. Luo (Shanghai Jiao Tong University)
Characterization of High-Power Performance of Alternating Current Poled PMN-PT Single Crystals

11:40 20A-05 Y. Zhuang (Xi'an Jiaotong University)
Investigation on the Tuning Performance of Lithium Niobate Based Optical Resonant Cavities

14:30 - 15:35 Oral Session on Low-Dimensional System

Chair: Eisuke TOKUMITSU

14:30 20A-06 F. Xue (Zhejiang University) Invited talk
Proton induced ferroelectric phase transition

14:50 20A-07 T. Yoshimura (Osaka Metropolitan University) Invited talk
Hardware implemented neural networks using piezoelectric MEMS resonators for neuromorphic sensing

15:20 20A-08 W.-Y. Tong (East China Normal University)
Nanotube ferroelectric tunnel junctions with giant tunneling electroresistance ratio

15:50 - 17:05 Oral Session on Alternative Current Poling

Chair: Haosu LUO

15:50 20A-09 Y. Yamashita (Shonan Institute of Tech., North Carolina State Univ.)

A comprehensive review of Alternating Current Poling for Piezoelectric Single Crystals in 2023-2024

16:05 20A-10 L. Wang (Xi'an Jiaotong University)

Extremely large strain response under low driving electric fields in lead-based textured piezoelectric ceramics

16:20 20A-11 H. Maiwa (Shonan Institute of Technology)

AC poling for Mn doped $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - $\text{Pb}(\text{ZrTi})\text{O}_3$ single crystals grown by solid state crystal growth

16:35 20A-12 S. Wada (University of Yamanashi)

Invited talk

Grain Size Dependence on Enhanced Piezoelectric Properties of BaTiO_3 Ceramics by AC Poling Treatment

Above Curie Temperature

Hall B on Saturday, July 20, 2024

10:15 - 11:55 Oral Session on Bi System

Chair: Hiroaki TAKEDA

10:15 20B-01 H. Fan (Northwestern Polytechnical University) Invited talk

Low Temperature Sintering and High Energy Density of Fine-grained Relaxor Ferroelectric Sodium Bismuth Titanate for Multilayer Ceramic Capacitors

10:35 20B-02 H. Nam (Tokyo University of Science) Invited talk

Piezoelectric characteristics and phase stability of Bi-based ferroelectrics and their origins

11:05 20B-03 W. Ge (Jilin University) Invited talk

Perovskite A/B-site co-doping in enhancing energy storage properties of BiFeO₃-based ceramics

11:25 20B-04 Y. Ishii (University of Tokyo)

Dielectric phase transition in Bi_{0.5}Ca_{0.5}MnO₃

11:40 20B-05 Q. Wang (Shandong University)

High performance bismuth titanate-tantalate piezoelectric ceramics for high-temperature applications

14:30 - 15:35 Oral Session on Exploration and Synthesis of Oxides

Chair: Jiwei ZHAI

14:30 20B-06 D. Kato (Kyoto University) Invited talk

Designing crystal and electronic structures of layered oxyhalide photocatalysts

15:00 20B-07 J. Wang (Nanjing Univ. of Aeronautics and Astronautics) Invited talk

The orientation effect on the energy storage properties of antiferroelectric niobate ceramics

15:20 20B-08 W. Yi (Kyoto University)

A-site Cation Disorder-induced Ferroelectricity in Ruddlesden-Popper layered perovskite Oxides Ln₂SrB₂O₇

15:50 - 17:00 Oral Session on Films and Composites

Chair: Watraru SAKAMOTO

15:50 20B-09 T. Jia (Hubei University) Invited talk

Large size Y doped Hf_{0.5}Zr_{0.5}O₂ ferroelectric films fabricated by chemical solution deposition

16:10 20B-10 Y. Zhang (Central South University) Invited talk

Piezoelectric composites with high piezoelectricity, flexible and stretchable capabilities for sensing and energy harvesting

16:30 20B-11 J. Hirade (Shibaura Institute of Technology)

Effect of Residual Protons in Si Substrate Due to PBW on Ferroelectric Materials

16:45 20B-12 Z. Guan (East China Normal University)

Two-dimensional Janus Polarization

Hall A on Sunday, July 21, 2024

09:00 - 09:45 Plenary Session Chair: Yoshihiro KUROIWA

09:00 21PL Hiroki MORIWAKE Plenary Lecture

(Japan Fine Ceramics Center, Tokyo Institute of Technology)

Ferroelectric Materials Studies using First-principles Calculations and Materials Informatics

10:00 - 12:00 Oral Session on BaTiO₃ and Metrology

Chair: Satoshi WADA

10:00 21A-01 D. Morikawa (Tohoku University) Invited talk

Local Structure Analysis of Polar Domain Boundary and Electric-Field-Response of Polar Nano Domains in BaTiO₃

10:30 21A-02 L. Luo (Ningbo University) Invited talk

Preparation of 0-3 type 0.8BaTiO₃-0.2CaTiO₃:Pr³⁺ composite ceramics via cold sintering process at an ultra-low temperature

10:50 21A-03 X. Y. Kong (Shanghai Jiao University) Invited talk

Polarization in Perovskite CsGeI₃ revealed by Total Scattering and DFT Simulation

11:10 21A-04 N. Oshime (QST) Invited talk

Bragg Coherent X-ray diffraction imaging for visualization of the ferroelectric domain structure in a nanocrystalline grain

11:40 25A-05 H. B. Zhang Invited talk

(Huazhong Univ. of Science and Tech., Guangdong HUST Industrial Tech. Research Inst.)

T Air-coupled ultrasonic transducer based on lead-free piezoceramics prepared by digital light processing 3D printing

13:00 - 14:40 Oral Session on P-E coupling & giant magnetic field effects

Chair: Takeshi YOSHIMURA

13:00 21A-06 L. Jin (Xi'an Jiaotong University) Invited talk

Ultrahigh Electrostrictive Effect in Lead-Free Ferroelectric Ceramics via Texture Engineering

13:20 21A-07 F. Li (Peking University) Invited talk

Linear and nonlinear electro-elastic/electro-damping effect in ferroelectric ceramics

13:40 21A-08 W. Sakamoto (Chubu University)

Preparation and properties of reduction-resistant lead-free NaNbO₃-BaTiO₃ piezoelectric ceramics

13:55 21A-09 Y. Matsuda (University of Tokyo) Invited talk

Quest for Magnetic Field Effects in Ferroelectric Materials Using an Ultrahigh Magnetic Field Exceeding 100 T

14:25 21A-10 P. Chiu (University of Tokyo)

Dielectric Responses of BaTiO₃ by High Magnetic Fields Around the Ferroelectric Transition Temperature

14:55 - 16:15 Oral Session on Chirality & Organics

Chair: Xiaoyong WEI

14:55 21A-11 T. Nomura (Shizuoka University)

Invited talk

Order-disorder transition of chiral molecular crystals and layered hydrates

15:25 21A-12 Y. Tomita (Shibaura Institute of Technology)

Spin Models of Ferrotoroidal Orders on the Honeycomb Lattice

15:40 21A-13 Y. Xie (Nanchang University)

High-temperature Ferroic Properties Revealed in Stable Organic Radical Materials

15:55 21A-14 B. Hu (Ningbo Inst. of Materials Technology and Engineering) Invited talk

The intrinsic elastification of ferroelectric polymers

16:30 - 17:30 Invited Lectures on Organic Ferroelectrics

Chair: Guorong LI

16:30 21A-15

R.-G. Xiong (Nanchang University)
Ferroelectrochemistry

Invited Lecture

17:00 21A-16

T. Nakamura
(Hokkaido University, Hiroshima University)
Novel Ferroelectrics and Multiferroics with Supramolecular Systems

Invited Lecture

17:30 - 17:45 Closing

Hall B on Sunday, July 21, 2024

10:00 - 12:00 Oral Session on Application & Bi System

Chair: Jianguo ZHU

10:00 21B-01 H. Wang (Southern University of Science and Technology) Invited talk
Advances of High Performance Dielectric Materials for Energy Storage Capacitors

10:20 21B-02 H. Luo (Central South University) Invited talk
Remarkable High-Temperatures Capacitive Performance in All-Organic Dielectrics Enabled by Synergistic Optimization of Molecular Trap and Aggregation Structure

10:40 21B-03 Z. Wang (Southeast University) Invited talk
One novel hybrid flexible piezoresistive/piezoelectric double-mode sensor design for water leakage monitoring

11:00 21B-04 K. Shigematsu (Tokyo Institute of Technology, KISTEC) Invited talk
Domain Observation and Magnetic Reversal by Electric Field in Cobalt-substituted Bismuth Ferrite Thin Films and Nanodots

11:30 25B-05 Y. HAO (NIMS)
Abnormal properties of $\text{Li}_{0.5}\text{Bi}_{2.5}\text{Nb}_2\text{O}_9$ bismuth layer structured ferroelectrics

11:45 25B-06 W. Wang (Northwestern Polytechnical University)
Effects of lanthanide ions doping on the structure and electrical properties of $\text{Bi}_3\text{TiNbO}_9$

13:00 - 14:40 Oral Session on Synthesis and Utilization

Chair: Zhigao HU

13:00 21B-07 C. Wang (Shandong University) Invited talk
Spark plasma sintering of high- T_C calcium bismuth niobate that exhibits superior piezoelectric performance

13:20 21B-08 H. Takeda (Saitama University)
Growth and piezoelectric properties of $\text{Ca}_2\text{MSi}_2\text{O}_7$ (M: Mg, Zn)-based single crystals with melilite-type structure

13:35 21B-09 M. Yamaguchi (Shibaura Institute of Technology)
Study on Separation of Hydrothermally Synthesized Cubic-shaped Barium Titanate Single Crystal Nanoparticles

13:50 21B-10 D. Fu (Shizuoka University) Invited talk
Sn-substitution effects on the physical properties of ferroelectric BaTiO_3

14:20 21B-11 J. Cheng (Shanghai University) Invited talk
Research on Gas Sensing Performance and Sensitivity Mechanism of BiFeO_3 based Nanomaterials

14:55 - 16:10 Oral Session on TiO₂ & KNN

Chair: Jialiang ZHANG

14:55 21B-12 T. Kuwano (Tokyo Institute of Technology) Invited talk
Dopant distribution in rutile-type TiO₂ doped with aliovalent cations

15:25 21B-13 X. Wang (Quzhou College of Technology, Xi'an Jiaotong University)
Large Electrical Strain in Lead-free K_{0.5}Na_{0.5}NbO₃-based Ceramics Doping

15:40 21B-14 J. Xing (Sichuan University)
Research on the physical mechanism and synergistic regulation of energy storage performance for KNN-based ceramics

15:55 21B-15 T. Zheng (Sichuan University)
Compositionally gradient driven property enhancement in KNN-based ceramics

Poster Presentations

Atrium & Hall A on Saturday, July 20, 2024

13:00 - 14:30 Poster Session

Chair: Norihiro OSHIME

- PS01 Y. Shi (Ningbo Institute of Materials Technology and Engineering, CAS)
Revisiting the phase diagram and piezoelectricity of lead zirconate titanate from first principles
- PS02 L. Wang (UNSW Sydney)
Anomalous mechanical polarization switching in negative piezoelectric CuInP_2S_6
- PS03 K. Shirakawa (Hiroshima University)
Effect of Ti-O bonding in BaTiO_3 octahedral-shaped crystal on ferroelectric phase transitions
- PS04 B. Zhao (Southern University of Science and Technology)
Low temperature sintered MgO-based microwave dielectric ceramics with ultra-low dielectric loss and high thermal conductivity
- PS05 M. Aruga (Hiroshima University)
Structural evidence of the origin of excellent ferroelectricity and piezoelectricity in $\text{Bi}(\text{Mg}_{0.5}\text{Ti}_{0.5})\text{O}_3$ -modified BaTiO_3 - BiFeO_3 pseudocubic ceramics
- PS06 Y. Yan (East China Normal University)
Pressure- and Temperature-Induced Structural Phase Diagram of Lead-Free $(\text{K}_{0.5}\text{Na}_{0.5})\text{NbO}_3$ - 0.05LiNbO_3 Single Crystals: Raman Scattering and Infrared Study
- PS07 H. Li (Sichuan University)
Excellent comprehensive electrical properties in KNN-based ceramics via synergistic effects of structural flexibility and domain engineering
- PS08 Y. Sun (Shonan Institute of Technology)
Precision temperature dependence evaluation system for piezoelectric charge constant d_{31} of piezoelectric single crystals
- PS09 Y. Zhang (Xi'an Jiaotong University)
High-performance Whispering Gallery Mode Resonators based on Ferroelectric single crystal
- PS10 Y. Ding (Sichuan University,,)
High performance shear mode KNN-based lead-free piezoelectric accelerometer
- PS11 J. Qian (Tongji University)
Topological Vortex Domain Engineering for High Dielectric Energy Storage Performance
- PS12 S. Wang (Tongji University, Shanghai Institute of Ceramics)
Temperature stability lock of high-performance lead-free relaxor ferroelectric ceramics
- PS13 T. Matsumae (Shimane University)
Improvement of controlling bleaching rate of photochromic WO_3 composite films by Zr addition
- PS14 X. Chen (Southeast University)
Sm, Nd Doped BiFeO_3 Epitaxial Film for Photodetector with Extremely Large On-Off Current Ratio

- PS15 K. Yamamoto (Shimane University)
Laser sintering of Electro-phoretic deposited ferroelectric BaTi₂O₅ films
- PS16 X. Zhang (Tsinghua University)
Ultra-thin Multilayer Films for Enhanced Energy Storage Performance
- PS17 Y. Wang (Japan Advanced Institute of Science and Technology)
Ferroelectric characteristics of CeO_x/Y-HZO stacked structures crystallized at different atmospheres and pressures
- PS18 Y. X. Hu (Tokyo Institute of Technology)
Orientation-Controlled Ferroelectric PbTiO₃ Films with Low Strain Directly Grown below the Curie Temperature
- PS19 W. Yang (Tokyo Institute of Technology)
Growth of Titanite Thin Films by Pulsed Laser Deposition
- PS20 J. Wang (Xi'an Jiaotong University)
Enhanced Ionic Conductivity in NASICON-type Solid Electrolytes
- PS21 Y. Lu (Southern University of Science and Technology)
Flexible alumina with interweaved network structure for electronic packaging
- PS22 Y. Q. Liu (Southern University of Science and Technology)
Polyimide/Alumina Nanosheet Nanocomposites with Enhanced Energy Storage Performance and its Mechanism
- PS23 Z. Hou (East China Normal University)
Low energy consumption GeTe based phase-change radio frequency switch
- PS24 X. Dong (Sichuan University)
A novel lead-free relaxor with endotaxial nanostructures for capacitive energy storage
- PS25 S. Yasuhara (Tokyo Institute of Technology)
Investigation of ferroelectricity in a distorted wurtzite-type LiGaO₂ with a Sc doping
- PS26 B. Shen (Tongji University)
Synergistic Design Strategy for Enhancing the Piezoelectric Performance of BiFeO₃-Based High-Temperature Piezoelectric Ceramics
- PS27 G. Ge (Tongji University)
High energy storage density antiferroelectric capacitors with adjustable domain evolution behavior
- PS28 S. Mingyang (QST)
Temperature-dependent crystal structure of heteroepitaxial BaTiO₃–KNbO₃ core-shell composite particles studied by synchrotron radiation X-ray diffraction
- PS29 A. Cui (Shanghai Normal University, East China Normal University)
Studying monoclinic heterophase structure for the enhanced piezoelectric performance in relaxor ferroelectrics
- PS30 K. Jiang (Shanghai Dianji University, East China Normal University)
High pressure spectroscopy of ferroelectric materials
- PS31 D. K. Khatua (NIMS, Jeju National University)
High performance piezoelectric-triboelectric hybrid energy harvester by synergistic design
- PS32 J. Song (Nagoya University, Tokyo University of Science)

New mechanism for large piezoelectric response in ferroelectric thin films: study on nontrivial polarization states achieved in superlattice structure

PS33 J. L. Zhang (Shandong University)

Phase Transition and Piezoelectric Performance of (K,Na)NbO₃-based Ceramics

PS34 K. Ohwada (QST)

X-ray Topographic Measurement of Ferroelectric Domains in BaTiO₃

PS35 K. Ohwada (QST)

Apparatus for Bragg Coherent X-ray Diffraction Imaging at QST/SPRING-8

PS36 X. Ouyang (Tongji University)

Enhancing the performance of PNN-PHT perovskite ferroelectric via configurational entropy strategy: design, property, and mechanism

PS37 Z. Xi (Xi'an Technological University)

Growth and characterization of luminescent relaxation ferroelectric crystals

PS38 M. Fukunaga (Home)

Fake Ferroelectric Polarization Loops and Measurement of Inverse Piezoelectric Strain Loops with a Microphone

PS39 S. Zhou (Tongji University)

Giant energy-storage density with ultrahigh efficiency in high-entropy lead-free relaxor

PS40 X. J. Li (Shanghai University of Engineering Science)

Ferroelectric activities of the P(VDF-TrFE) and high performance flexible device

PS41 J. Akedo (AIST)

Relationship between dielectric strength and mechanical properties of aerosol deposited alumina layer on metal substrates at room temperature

PS42 X. L. Zhang (Shanghai University of Engineering Science)

Flexible and low roughness cast films: promising candidates for capacitor applications

PS43 P. Gao (Peking University)

Flexoelectricity, Antiferrodistortive, and Polar Antivortex in SrTiO₃

Social Programs

Banquet on July 20, 2024



Yuushien Garden is one of the most splendid Japanese gardens, with seasonal flowers, trees, ponds, waterfalls, and paving stones creatively organized over 40,000 beautiful square meters. A big pond is at the center, and walking paths are provided around it. When you stroll the paths, you can appreciate the season's scenery.

Schedule: Buses to banquet will leave from Matsue Station just after the evening session.

→ ~ 18 : 30 Stroll in the garden → ~ 19:00 Watching IWAMI Kagura

→ 19:00 - 21:30 Banquet → 22 : 00 Matsue Station

Excursion on July 22, 2024

Izumo Taisha, also known as Izumo Grand Shrine, is one of the oldest and most important Shinto shrines in Japan. It is dedicated to the god Okuninushi, who is associated with love and matchmaking. The shrine's main hall, built in the traditional Taisha-zukuri style, is a designated National Treasure. Visitors come from all over Japan to pray for good fortune in relationships and to enjoy the serene and sacred atmosphere of the shrine grounds.

Tamatsukuri Onsen is one of the oldest hot spring resorts in Japan, with a history dating back over 1,300 years. The hot spring waters are known for their high-quality minerals, which are said to promote beautiful skin. In addition to the healing waters, the area offers scenic views, traditional crafts, and delicious local cuisine, making it a perfect destination for relaxation and rejuvenation.

Schedule

Buses will leave at 8:30 from Matsue Station

→ 09 : 30-10 : 30 Izumo Taisha

→ 11 : 30-15 : 00 Lunch & Onsen

→ 15 : 30 Matsue Station

