STAC-15

The Fifteenth International Conference on
the Science and Technology for Advanced Ceramics
September 29 - October 1, 2025, Tokyo, JAPAN

The Fifteenth International Conference on the Science and Technology for Advanced Ceramics (STAC-15)

PROGRAM

September 29 – October 1, 2025

Ookayama Campus, Institute of Science Tokyo, Japan

STAC-15 Timetable

September 29,2025

	Degital Multi-Purpose Hall	Collaboration room
9:00		
9:15		
9:30		
9:45	Opening remarks	
10:00	Energy materials-1	Biomedical materials
10:15		
10:30		
10:45		
11:00	Coffee break	
11:15		
11:30		
11:45		
12:00	Lunch	
12:15		
12:30		
12:45		
13:00		
13:15	Fundamental science of ceramics	
13:30		
13:45		
14:00		
14:15		
14:30	Coffee break	
14:45		
15:00		
15:15		
15:30		
15:45		
16:00	Poster session-1 (Media Hall) Biomedical materials Energy materials Fundamental science of ceramics	
16:15		
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17:00		
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17:45		
18:00		

18:30	Banquet

September 30,2025

	Degital Multi-Purpose Hall	Collaboration room
9:00		Engineering materials
9:15		
9:30	Photonic and glass materials	
9:45		
10:00		
10:15		
10:30	Coffee break	
10:45		
11:00		
11:15		
11:30		
11:45		
12:00		
12:15	Lunch	
12:30		
12:45		
13:00		
13:15		
13:30	Electronic materials-1	Energy materials-2
13:45		
14:00		
14:15		
14:30	Coffee break	
14:45		
15:00		
15:15		
15:30		
15:45		
16:00	Poster session -2 (Media Hall) Advanced processes for ceramic materials Electronic materials Engineering materials Photonic and glass materials	
16:15		
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16:45		
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17:45		
18:00		

October 1,2025

	Degital Multi-Purpose Hall	Collaboration room
9:00		Advanced processes for ceramic materials
9:15		
9:30		
9:45		
10:00		
10:15	Coffee break	
10:30	Electronic Materials-2	
10:45		
11:00		
11:15		
11:30		
11:45		
12:00	Closing remarks	
12:15		
12:30		
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18:00		

September 29, 2025

Degital Multi-Purpose Hall

Time		Name	Affiliation	Title
9:45	**Opening remarks**	Akira Nakajima	Institute of Science Tokyo	

Energy Materials-1

Chair: Masahiro Miyauchi

Time		Name	Affiliation	Title
10:00	1A01(Invited)	Hiromasa Tokudome	TOTO LTD.	Printable Artificial Photosynthesis Films with Mixed Metal Oxide Photocatalysts for Scalable Solar Hydrogen Production
10:30	1A02(Invited)	Haoyang Jiang	Nanjing University	Creation of High-Activity Sites for Enhanced CO2 Catalytic Conversion
11:00	**Coffee break**			
11:15	1A03	Kanta Ogawa	Kyoto University	Defect Tolerance via External Passivation in SrTiO3:Al Photocatalyst
11:30	1A04	Hiroaki Kaneko	Institute of Science Tokyo	Overcoming reaction conflicts: photocatalytic reconciliation of methane dry reforming and Fischer-Tropsch synthesis
11:45	1A05	Andi Maulana	Institute of Science Tokyo	Stability and Dispersion of Hydrogen Boride Sheets in Solvents
12:00	**12:00-13:15 Lunch**			

Fundamental Science of Ceramics

Chair: Toshihiro Isobe

Time		Name	Affiliation	Title
13:15	1A06(Invited)	Toru Wakihara	The University of Tokyo	Advances in controlling zeolite properties through post-synthesis treatments

Chair: Yasuhide Mochizuki

13:45	1A07(Invited)	Seán Kavanagh	Harvard University	Computational Strategies for Modelling Defects in Semiconductors
14:15	1A08	Soungmin Bae	Tohoku University	Universal polaron formations in chemically-doped MoS2 revealed from first principles
14:30	**Coffee break**			

Chair: Soungmin Bae

14:45	1A09	Yasuhide Mochizuki	Institute of Science Tokyo	Theoretical investigation on thermal expansion and phase stability of BF3 (B = Sc, Y, La, Al, Ga, In)

Chair: Akira Nakajima

15:00	1A10(Invited)	Shunsuke Suzuki	AGC Inc.	Strategies and tips for leveraging your strengths in different environments within the industrial sector
15:30	1A11(Invited)	Munetoshi Sakai	Ibaraki University	Evolving Pathways for Societal Implementation of University Research in Japan: Perspectives from Technology Transfer and Startup Ecosystem Experience
16:00	**16:00-18:00 Poster session-1 (Media Hall)**			
18:30	**18:30-20:30 Banquet**			

Collaboration room

Biomedical Materials

Chair: Toshiyuki Ikoma, Guoping Chen

Time		Name	Affiliation	Title
10:00	1B01(Invited)	Yufang Zhu	Shanghai Institute of Ceramics, CAS	Design of Functional Bioceramic Scaffolds for Bone Tissue Engineering
10:30	1B02	Sihao Lei	Institute of Science Tokyo	Crystal Structure Analysis of Iron(III) Substituted Hydroxyapatite: Experiment and Theoretical Calculation
10:45	1B03	Ryuju Kiribayashi	Institute of Science Tokyo	Antiviral activity and its mechanisms study on La2CuO4 and Y2Cu2O5
11:00	**Coffee break**			
11:15	1B04(Invited)	Koichiro Hayashi	Kyushu University	Medical and Dental Applications of Carbonate Apatite Honeycombs
11:45	1B05	Kai Tang	Shanghai Institute of Ceramics, CAS	Bioinspired Bioceramics with Directional Structure and High Mechanical Performance
12:00	**12:00-13:15 Lunch**			

Chair: Yasutaka Anraku, Yufang Zhu

Time		Name	Affiliation	Title
13:15	1B06(Invited)	Guoping Chen	National Institute for Materials Science	Composite Scaffolds of Dexamethasone-loaded Biphasic Calcium Phosphate Nanoparticles and Collagen for Bone Tissue Engineering
13:45	1B07(Invited)	Tomohiko Yamazaki	National Institute for Materials Science	Apatite nanoparticle boost immunostimulatory effect and antibody production of non-modified DNA-based adjuvants
14:15	**Coffee break**			
14:45	1B08	Jianmin Xue	Shanghai Institute of Ceramics, CAS	Biomimetic ceramic-based materials with high mechanical performance
15:00	1B09	Hayato L. Mizuno	Institute of Science Tokyo	From Delivery to Diagnostics: Leveraging Nanocarrier Stiffness for In Vivo Behavior and Hydrostatic Pressure Sensing
16:00	**16:00-18:00 Poster session-1 (Media Hall)**			
18:30	**18:30-20:30 Banquet**			

September 30, 2025

Degital Multi-Purpose Hall

Photonic and Glass Materials

Chair: Tetsuo Kishi

Time		Name	Affiliation	Title
9:30	2A01(Invited)	Hiyori Uehara	National Institute for Fusion Science	Advances in Mid-Infrared Solid-State Lasers Based on Fluoride Glasses and Transparent Ceramics
10:00	2A02(Invited)	LIU Yin	Chongqing University of Science and Technology	Glass forming region and photonic properties of novel aluminate-based infrared glasses
10:30	**Coffee break**			

Chair: Kana Tomita

10:45	2A03(Invited)	Nobuaki Terakado	Kyoto University	Atomistic view of surface stress in chemically strengthened glass

Chair: Hiyori Uehara

11:15	2A04	Kana Tomita	Institute of Science Tokyo	Anomalous effect of NiO on the phase separation behaviour of Na2O-B2O3-SiO2 glass
11:30	2A05	Tetsuo Kishi	Institute of Science Tokyo	High-throughput micro-melting study of ZrO_2 solubility and the effects of TiO_2/Nb_2O_5 co-doping in silicate glasses
11:45	2A06	Tetsuji Yano	Institute of Science Tokyo	Glass Ceramics Formulation of RO-La2O3-Al2O3-ZrO2 system using RF-Induction Crucible Melting
12:00	**12:00-13:30 Lunch**			

Electronic Materials-1

Chair: Takuya Hoshina

Time		Name	Affiliation	Title
13:30	2A07(Invited)	Jong-Min Oh	Kwangwoon University	Ceramic–Based Composite Films Prepared by Aerosol Deposition Process for Advanced Display and Sensor Applications
14:00	2A08(Invited)	Satoshi Yokomizo	Murata Manufacturing Co., Ltd.	Application of Cold Sintering Process for Multilayer Ceramic Components
14:30	**Coffee break**			

Chair: Jong-Min Oh

14:45	2A09(Invited)	Enzhu Li	University of Electronic Science and Technology of China	P-V-L theory and first principle density of states calculation for Chemical bond evaluation of microwave dielectric ceramics
15:15	2A10	Hodaka Abe	Institute of Science Tokyo	Crystal Structure Analysis of Ferroelectric Phase in K2NdNb5O15
15:30	2A11	Akihiro Fukui	Institute of Science Tokyo	Mechanochemical Synthesis and Substitutional Effects in Organic-Inorganic Hybrid Ferroelectric TMCM-Mn1-xFexCl3
16:00	**16:00-18:00 Poster session-1 (Media Hall)**			

Collaboration room

Engineering Materials

Chair: Katsumi Yoshida

Time		Name	Affiliation	Title
9:00	2B01(Invited)	Koji Morita	National Institute for Materials Science	Electric Field/Current Assisted Processing in Polycrystalline Zirconia (8YSZ)
9:30	2B02(Invited)	Guo-Jun Zhang	Donghua University	High-entropy ceramics: composition design, microstructure control and properties

Chair: Koji Morita

10:00	2B03	Gaku Okuma	National Institute for Materials Science	Evolution of Complex Pores from Heterogeneities during Sintering of High-Purity Submicron Alumina
10:15	2B04	Yutaro Arai	Tokyo University of science	Compositionally complex ceramic matrix composites as advanced refractory materials
10:30	**Coffee break**			

Chair: Tohru Suzuki

10:45	2B05(Invited)	Raul Bermejo	Montanuniversitaet Leoben	Bioinspired concepts for strong and damage tolerance 3D-printing alumina-based multi-material components
11:15	2B06	Oleg VASYLKIV	National Institute for Materials Science	Deformation-Resistance in Transition Metal Carbides and Diborides

Chair: Guo-Jun Zhang

11:30	2B07	CHEN Zhibo	National Institute for Materials Science	Textured ZrB2 ceramics self-reinforced by elongated ZrB2 grains via strong magnetic field alignment
11:45	2B08	Tohru Suzuki	National Institute for Materials Science	Development of textured microstructure with aligned tubal pores in B4C by magnetic field
12:00	2B09	Katsumi Yoshida	Institute of Science Tokyo	Development of Highly Microstructure-Controlled B4C-Based Ceramics for Fast Reactors and Their Properties
12:15	**12:15-13:30 Lunch**			

Energy Materials-2

Chair: Akira Yamaguchi

Time		Name	Affiliation	Title
13:30	2B10(Invited)	Yue Yang	LG Japan Lab Inc.	Photocatalytic Hydrogen Evolution Using Glycerol as a Sacrificial Agent
14:00	2B11(Invited)	WANG YUANQING	Shanghai University	Unveiling Dynamic Catalytic Surfaces Through Operando Spectroscopy and Theoretical Calculations
14:30	**Coffee break**			
14:45	2B12(Invited)	Tokuhisa Kawawaki	Tohoku University	Precise Synthesis of Ligand-Protected Metal Nanoclusters for Electrocatalysts and Photocatalysts
15:15	2B13	Masanao Yamamoto	Institute of Science Tokyo	La1−xSrxFeO3 perovskite oxide nanoparticles as heterogeneous catalyst for the oxidation of isobutane to tert-butyl alcohol
15:30	2B14	Jan Hempelmann	Institute of Science Tokyo	Bonding Analysis-Based Investigation of the Effects of Vacancies and Cavities in Functional Materials using pFC and COBI
16:00	**16:00-18:00 Poster session-1 (Media Hall)**			

October 1, 2025

Degital Multi-Purpose Hall

Electronic Materials-2

Chair: Sou Yasuhara

Time		Name	Affiliation	Title
10:30	3A01(Invited)	Sou Taminato	Mie University	Material Synthesis and Reaction Studies for High Capacity Lithium Battery Electrode
11:00	3A02	Naoki Ohashi	National Institute for Materials Science	Density Functional Theory Calculations on Aluminium Nitride and Its Related Solid Solutions
11:15	3A03	Shunpei Kawano	Institute of Science Tokyo	In-plane Orientation Dependency of Switching Properties in (Al,Sc)N Ferroelectric Thin Films

Chair: Naoki Ohashi

11:30	3A04	Sou Yasuhara	Institute of Science Tokyo	Ferroelectricity in divalent-cation-doped LiGaO2
11:45	3A05	Kei Maeda	Institute of Science Tokyo	Topological Domain Control in BiFe0.9Co0.1O3 Thin Films Using Ring Electrodes
12:00	**Closing remarks**			

Collaboration room

Advanced Processes for Ceramic Materials

Chair: Nobuhiro Matsushita

Time		Name	Affiliation	Title
9:00	3B01(Invited)	Lydia WONG	Nanyang Technological University	Cu-Based Chalcogenide Thin Film: A Functional Ceramic for Solar Harvesting Devices
9:30	3B02(Invited)	Kazumasa Suzuki	Nagoya University	Carbon dot–functionalized ceramics via solution processing with enhanced optical features
10:00	3B03	VASCHALDE Lucile	National Institute for Materials Science	Ceramic Membranes for H2 Gas Separation: Optimization of Support Fabrication Guided by Active Learning
10:15	**Coffee break**			

Chair: Yuta Kubota

10:30	3B04(Invited)	Takeru Matsumoto	JCU CORPORATION	Acid Copper Plating Technology for New Materials and Bonding in Advanced Packaging
11:00	3B05(Invited)	Hiroaki Takeda	Saitama University	Potentials of Ca-based Melilite-type Piezoelectric Crystals for High Temperature Applications
11:30	3B06	Raul Bermejo	Montanuniversitaet Leoben	Understanding the mechanical behavior of cold sintered ceramics
11:45	3B07	Satoshi Ishikawa	Institute of Science Tokyo	n-Butane Isomerization over Platinum-Loaded Crystalline Zr3SO9 in the Presence of Hydrogen

September 29, 2025

Poster session-1
Media Hall
16:00-18:00

Discussion time
Even number : 16:00-17:00
Odd number : 17:00-18:00

	Name	Affiliation	Title
Fundamental Science of Ceramics			
1P01	Daiki Nagai	Institute of Science Tokyo	Negative thermal expansion properties of MOR-type zeolite and CHA-type zeolite
1P02	Tomoki Maeda	Institute of Science Tokyo	Morphology control of $Zr_2SP_2O_{12}$ and its application in composites
1P03	Yoshiki Imai	Institute of Science Tokyo	Evaluation of Negative Thermal Expansion Behavior in AlPO-17
1P04	Hiroki Hara	Institute of Science Tokyo	Electrochemical approach to CO2 fixation using seawater
1P05	Ryoma Yamamoto	Institute of Science Tokyo	Development of a Context Length Resilient and Fast Training Materials Property Prediction Model Using a Zero-Shot LLM
1P06	Ousuke Yamaguchi	Institute of Science Tokyo	First-Principles Study of ZnO (0001) Polar Surfaces
1P07	Eiji Miura	Institute of Science Tokyo	Electronic Structure Analysis of Binary Nitrides AN (A = Sc, Y, La, Al, Ga, In) Based on Group Theory
1P08	Megumi Suzuki	Institute of Science Tokyo	Group theoretical analyses of structural phase transition in strongly correlated La3Ni2O7 from DFT+U and GW approximation
1P09	Ko Sato	Institute of Science Tokyo	Prediction of atomic displacement parameters from graph neural network
1P10	Shunsuke Ito	Institute of Science Tokyo	Synthsis of M:$Zr_2SP_2O_{12}$ (M = Nb, Sn, Ti) and evaluation of thermal expansion
1P11	Hiroki Sahara	Institute of Science Tokyo	High-pressure synthesis of novel oxygen-deficient perovskite iron oxide
Energy Materials			
1P12	SUN XIAOYAN	Institute of Science Tokyo	Synthesis of CuO@Fe_2O_3 Nanotubes Featuring an Electron-Hole Separation Layer for Improved Semiconductor-Sensitized Thermal Cell Efficiency
1P13	Jen-An Shih	National Yang Ming Chiao Tung University	Copper-Induced Band Structure Modulation in InP/ZnS Quantum Dots for Improved Solar-to-Hydrogen Conversion
1P14	Meiyi Wang	Institute of Science Tokyo	Entropy-Increased (CdZnInGa)S Photocatalysts for Efficient, Photocorrosion-Resistant Water Splitting
1P15	Tomotaka Sugimura	Institute of Science Tokyo	Enhancement of methane dry reforming reaction by semiconductor photocatalysts with oxygen vacancies
Biomedical Materials			
1P16	Mizuki Tomaru	Institute of Science Tokyo	Synthesis of (Ce1-xMx)O2-δ (M=Cu, Mg, Zn) and Their Antiviral Activity
1P17	Riku Nakane	Institute of Science Tokyo	Preparation of Bi/Ce-doped Y2Sn2O7 and Rare-earth-doped Bi2Sn2O7, and their Antiviral Activities
1P18	Kenshin Mise	Institute of Science Tokyo	Evaluation of Cellular Uptake Characteristics of Elastic Modulus-Controlled Mesoporous Silica Nanoparticles
1P19	miyazaki kotaro	Institute of Science Tokyo	Effect of mechanochemical treatment of Mn-based composite oxides on antiviral activity
1P20	Haruna Ohashi	Institute of Science Tokyo	Delivery of nucleic acid drugs using inorganic-organic composite nanoparticles
1P21	Matsunaga Yuto	Institute of Science Tokyo	Construction of Dual Drug Delivery System for Alzheimer's Disease Using Mesoporous Silica Nanoparticles
1P22	Wataru Fudauchi	Institute of Science Tokyo	Improved antiviral performance and organic decomposition activity of Bi_2MoO_6 under visible light
1P23	YU SAKAIDANI	Institute of Science Tokyo	Development of porphyrin-incorporated Ormosil nanoparticles with dispersion stability under physiological conditions
1P24	Natsuko Mishima	Institute of Science Tokyo	Preparation of Bismuth Oxide Quantum Dots by a Liquid-Phase Synthesis
1P25	Shoei Kawasoe	Institute of Science Tokyo	Preparation of various iodates using ubiquitous elements, their antiviral activity, and application to textile products
1P26	Ririno Yamada	Institute of Science Tokyo	Enhancing In vivo Stability of Polyion Complex Vesicle by Coating with Amorphous Silica
1P27	Taiga Yagishita	Institute of Science Tokyo	Preparation of Penicillin G-loaded Mesoporous Silica Nanoparticles for Antibacterial Therapy
1P28	Shunsuke Chiba	Institute of Science Tokyo	Research on mechanoluminescent materials aimed at improving luminescence intensity
1P29	Nasa Amaoka	Institute of Science Tokyo	Hydroxyapatite/Gelatin Composites including Vitamin B Derivatives for a Novel Bone Graft
1P30	Hiroki Arakawa	Institute of Science Tokyo	Evaluation of the Permeability of Silica Nanoparticles with Different Amounts of Silanol Groups through Cell Membranes with Different Compositions

September 30, 2025

Poster session-2 **Discussion time**
Media Hall **Even number : 16:00-17:00**
16:00-18:00 **Odd number : 17:00-18:00**

	Name	Affiliation	Title
Advanced Processes for Ceramic Materials			
2P01	Kosuke Kurita	Institute of Science Tokyo	Fabrication of Birnessite-Type MnO_2 Films by Electrochemical Treatment of Spin-Sprayed Films
2P02	OTSUKA KATSUKI	Institute of Science Tokyo	Thermodynamics calculations for by-product-free metal sulfide fabrication via solution process
2P03	Misuzu Hosoi	Institute of Science Tokyo	Synthesis of Crystalline ZrO_2 at 80°C and Effect of Alkali Metal Ions on Crystal Phase
2P04	Yuga Ikeya	Institute of Science Tokyo	Induction heating treatment in Ba ion solution enabled fabrication of oxide dielectric films and oxide magnetic films
2P05	Arata Ito	Institute of Science Tokyo	Rapid solid-phase crystallization of copper iron oxide thin films by excimer laser annealing
2P06	DINH THE NAM	Institute of Science Tokyo	Improved Electrical and Optical Properties of Solution-Processed Nickel Cobalt Oxide Thin Films by Cu Doping
Photonic and Glass Materials			
2P07	Kim Namkyong	Institute of Science Tokyo	Influence of ZnS and SnO2 addition on femtosecond laser-induced Te precipitation in K2O-WO3-TeO2 glasses
Engineering Materials			
2P08	Natsumi Imai	Yokohama National University	Growth in directionally solidified Al2O3–YbAG eutectics and their microstructure
2P09	Raito Nishimaki	Yokohama National University	Preparation of Ce3+:GAGG films using chemical vapor deposition and their luminescence and scintillation properties
2P10	Daisuke Kawai	Institute of Science Tokyo	Pressureless Densification of B6Si Ceramics by Reaction Sintering
2P11	Yuka Yamaguchi	Institute of Science Tokyo	Aqueous and non-aqueous slip casting of Al4SiC4 ceramics
2P12	Ryuya Urata	Yokohama National University	Mechanical properties of 7.5YSZ epitaxial film measured by microcantilever bending test
2P13	Aki Tsuchiya	Gifu University	Sintering behaviour of transparent, pure tetragonal zirconia
2P14	Keita Tsukamoto	Shibaura Institute of Technology	Thermal shock resistance of Al2O3 with alternative oriented lamination by EPD in a strong magnetic field
Electronic Materials			
2P15	Teruya Nagafuji	Institute of Science Tokyo	Electron trapping around Sn(IV) in oxides and sulfides: A first-principles investigation
2P16	Daito Tanaka	Institute of Science Tokyo	Fabrication and Electrical Properties of (Pb1-xSnx)S Epitaxial Thin Films with Reversible 2D-3D Structural Transition
2P17	Haruki Imai	Institute of Science Tokyo	Effect of grain boundaries and polymorphism on thermal transport properties of polycrystalline BeO
2P18	Keita Mori	Institute of Science Tokyo	Mechanochemical synthesis and carrier doping of layered Bi9O7.5S6
2P19	Nagano Shoya	Institute of Science Tokyo	Thin film growth of co-substituted BiFeO3 with Ca and 4d/5d transition metals
2P20	Jun Miyake	Institute of Science Tokyo	Negative thermal expansion in A- and B- site substituted BiFeO3
2P21	Tadaaki Kitahara	Institute of Science Tokyo	Nanostructure and dielectric properties of Gd2O3-SrTiO3 composite thin films deposited on LSAT substrates
2P22	Hidetaka Kuroiwa	Institute of Science Tokyo	Evaluation of THz Dielectric Properties of Inorganic-Organic Composite Materials
2P23	Yoshisato Mori	Institute of Science Tokyo	Photoelectric Properties in Single Crystals of a Rashba-type Polar Insulator Ag8GeSe6
2P24	Masaki Tozuka	Institute of Science Tokyo	Evaluation of Ferroelectricity of ZnO-based Thin Films Deposited on Mica
2P25	Keigo Honda	Institute of Science Tokyo	Mechanochemical Synthesis and Electric Properties of Organic-Inorganic Hybrid Ferroelectric TMCM-GaCl4
2P26	Hajime Nakayama	Institute of Science Tokyo	High-Quality Co-Substituted BiFeO3 Nanodot Array Fabricated with Electron-Beam-Lithographed HSQ Mask
2P27	Yusuke Shiono	Institute of Science Tokyo	Observation of the coexistence of two phases of negative thermal expansion material particles using Piezoresponse Force Microscope
2P28	Kenta Masuhara	Institute of Science Tokyo	Effect of Valence State Control on Density and Insulation Properties of $KNbSi_2O_7$ -based Ceramics
2P29	Erika Ikeda	Institute of Science Tokyo	Electric-Field and Time Dependence of Dielectric Constant of Ba-deficient BaTiO3 Ceramics
2P30	Aditya Arun Nirmale	Institute of Science Tokyo	Non-volatile 2D perovskite nanosheet FTJ memory based on nano-cross-point structure
2P31	Ikumi Okazaki	Institute of Science Tokyo	Crystal Growth and Superconducting Properties of Indium-intercalated NbS2
2P32	Izumi Otsuki	Institute of Science Tokyo	Layered BaSi2 with two-dimensional Si layers: Synthesis and Thermoelectric Properties
2P33	Daichi Katanosaka	Institute of Science Tokyo	Electrical and Phonon Transport Properties of SnSb2Se4 with one-dimensional Sn-Se chains
2P34	Tatsuki Wakugami	Institute of Science Tokyo	Synthesis and Thermoelectric Properties of Scandium Sulfide with Defective Rock-salt-type Crystal Structure
2P35	Ibuki Matsuura	Institute of Science Tokyo	Improvement of Properties in Multiferroic $BiFe_{0.9}Co_{0.1}O_3$ for La Substitution