ICAMD2023 Poster Presentation Schedule

· **Presentation Code : Presentation Date + Abstract Code (ex: PO-2D23-001 → MON-2D23-001)**

· **Presentation : December 4 (Mon.) 18:30~20:30**
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December 7 (Thu.) 18:30-19:00 / December 8 (Fri.) 11:30-12:00

#	Session	Presentation Code	Presenter's Name	Presenter's Affiliation	Title	Presentation Date
1	2D + vdW Nano	MON-2D23-020	Fabrizio Cossu	Kangwon National University	Charge density waves in 2H-type transition metal dichalcogenides: surprising symmetries from stacking sequence	Dec. 4 (Mon.)
2	2D + vdW Nano	MON-2D23-025	June-Chul Shin	Seoul National University	Electrically Confined Electroluminescence of Neutral Excitons in WSe2 Light-emitting Transistors	Dec. 4 (Mon.)
3	2D + vdW Nano	MON-2D23-065	Thi Phuong Anh Bach	Dongguk University	Wide range and multi-bit optoelectronic memory utilizing a tellurene floating gate in a 2D vdW heterostructure	Dec. 4 (Mon.)
4	2D + vdW Nano	MON-2D23-071	Jinsub Park	Yonsei University	Measurements of Young's modulus and thermal conductivity of γ-GeSe	Dec. 4 (Mon.)
5	2D + vdW Nano	MON-2D23-072	Joong-Eon Jung	Yonsei University	Growth mechanism of γ-GeSe: template growth on graphene and h-BN with Au catalyst	Dec. 4 (Mon.)
6	2D + vdW Nano	MON-2D23-074	Kihyun Lee	Yonsei University	Anisotropic rippling of black phosphorus induced by van der Waals epitaxy of noble metals	Dec. 4 (Mon.)
7	2D + vdW Nano	MON-2D23-076	DONGGYU KIM	Yonsei University	Structural identification of GeSe2-xTex nanowires: interlayer twist and twinning	Dec. 4 (Mon.)
8	2D + vdW Nano	MON-2D23-081	Tae Keun Yun	Yonsei University	Room-temperature direct growth of indium phosphide nanocrystal via physical deposition of indium using black phosphorus as a precursor template	Dec. 4 (Mon.)
9	2D + vdW Nano	MON-2D23-088	Myeongjin Jang	Yonsei University	Direct Observation of 2D magnet CrI3 stacking fault and statistical analysis based on cross-sectional view	Dec. 4 (Mon.)
10	2D + vdW Nano	MON-2D23-089	Joonho Kim	Yonsei university	Laser induced phase transition of encapsulated γ-GeSe	Dec. 4 (Mon.)
11	2D + vdW Nano	MON-2D23-094	minseok kwon	yonsei university	Graphene transistors for liquid TEM observation	Dec. 4 (Mon.)
12	2D + vdW Nano	MON-2D23-095	Jinjae Kim	Seoul National University	Strong correlation induced moiré exciton site transition in WSe2/WS2 heterobilayers	Dec. 4 (Mon.)
13	2D + vdW Nano	MON-2D23-106	Jaekak Yoo	Korea Research Institute of Standards and Science	Anomalous layer sequence induced divergent vibrational properties in two-dimensional gallium thiophosphate	Dec. 4 (Mon.)
14	2D + vdW Nano	MON-2D23-127	Yongsun Kim	Ajou University	Effect of Residues of Lithographic Process on Two-Dimensional Materials and Their Removals	Dec. 4 (Mon.)
15	2D + vdW Nano	MON-2D23-141	Ji-Hwan Baek	Seoul National University	Thermally Induced Atomic Reconstruction into Fully Commensurate Structures of Transition Metal Dichalcogenide Layers	Dec. 4 (Mon.)
16	2D + vdW Nano	MON-2D23-158	Seoyoung Lim	Ewha Womans University	Plasmon-exciton coupling behaviors in WS2/multilayer flakes on Au-nanogratings	Dec. 4 (Mon.)
17	2D + vdW Nano	MON-2D23-161	GiHyeon Kwon	Yonsei University	Expanding the vdW gap between 2D semiconductor and metal through the annealing process in Se environment	Dec. 4 (Mon.)
18	2D + vdW Nano	MON-2D23-170	Hoyeon Jung	Ajou University	Optimizing the growth of monolayer MoS2 with seeding promoter	Dec. 4 (Mon.)
19	2D + vdW Nano	MON-2D23-171	Soyun Kim	DGIST	Orbitally Controlled Quantum Hall States in Decoupled Two-Bilayer Graphene Sheets	Dec. 4 (Mon.)
20	2D + vdW Nano	MON-2D23-172	Dohun Kim	DGIST	Robust Interlayer-Coherent Quantum Hall States in Twisted Bilayer Graphene	Dec. 4 (Mon.)
21	2D + vdW Nano	MON-2D23-173	Hyunyoung Choi	Seoul National University	Reconfigurable and Cascadable Two-dimensional Floating Gate Field-effect Transistors for Highly Integrated Logic-in-memory	Dec. 4 (Mon.)
22	2D + vdW Nano	MON-2D23-206	Oh Hun Gwon	Chungnam National University	Implement of Multi-level Memory by Tuning hBN Thickness	Dec. 4 (Mon.)
23	2D + vdW Nano	MON-2D23-213	Yoona KIM	Seoul National University	Graphene origami with controllable foldability	Dec. 4 (Mon.)
24	2D + vdW Nano	MON-2D23-218	Haesol Kim	Hankuk University of Foreign Studies	Dielectric constant in nanobubbles on MoS_2	Dec. 4 (Mon.)
25	2D + vdW Nano	MON-2D23-219	Minji Gu	Hankuk University of Foreign Studies	Bubble structures of MoS_2 for memory device applications	Dec. 4 (Mon.)
26	2D + vdW Nano	MON-2D23-234	Kha Minh Nguyen	Ajou University	Controlling the Bandgap in Monolayer of WS2(1-x)Se2x Alloys Synthesized by Salt-assisted CVD Method	Dec. 4 (Mon.)
27	2D + vdW Nano	MON-2D23-251	Sewoong OH	YONSEI UNIVERSITY	Contact resistance reduction in 2D MoS2 FET through the thermal evaporated LiF interlayer	Dec. 4 (Mon.)
28	2D + vdW Nano	MON-2D23-252	Gyu Lee	Yonsei university	Investigation of discrepancies in top and bottom MoSe2/Au contacts : Implications for 2D device performance	Dec. 4 (Mon.)
29	2D + vdW Nano	MON-2D23-253	ANH NGUYEN	Ewha Womans University	Lithography-Free WS2-based Vertical Heterostructure Photovoltaic Devices	Dec. 4 (Mon.)
30	2D + vdW Nano	MON-2D23-254	Hyeongseop Kim	Ajou University	General construction scheme for geometrically nontrivial flat band models	Dec. 4 (Mon.)
31	2D + vdW Nano	MON-2D23-268	Seungman Han	Ajou University	Frequency conversion in transition metal dichalcogenide nanoscrolls	Dec. 4 (Mon.)
32	2D + vdW Nano	MON-2D23-273	Jinwoo Kim	Seoul National University	Direct Synthesis of Twisted WSe2 Multilayers by B2O3-assisted Chemical Vapor Deposition	Dec. 4 (Mon.)
33	2D + vdW Nano	MON-2D23-274	Hyunjun Kim	Seoul National University	Van der Waals Epitaxially-grown Molecular Crystal Dielectric for 2D Electronics	Dec. 4 (Mon.)

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34	2D + vdW Nano	MON-2D23-280	Jungwon Yoon	Yonsei University	Transparent and Flexible 2D MXene Electrodes for High Environmental Stability in Field-Driven Electronic Devices	Dec. 4 (Mon.)
35	2D + vdW Nano	MON-2D23-285	Donghoon Moon	Seoul National University	Epitaxial Chalcogenization of Molybdenum Disulfide	Dec. 4 (Mon.)
36	2D + vdW Nano	MON-2D23-305	Jong Yun Kim	Chungnam National University	2D materials based memristor devices for artificial synaptic applications	Dec. 4 (Mon.)
37	2D + vdW Nano	MON-2D23-309	seo gyun Jang	Chungnam National University	Memory property in heterostructures of 2D materials by strain formation	Dec. 4 (Mon.)
38	2D + vdW Nano	MON-2D23-310	SEONG YEON LEE	Chungnam National University	Enhancing photodoping persistence of WSe2 on hexagonal boron nitride	Dec. 4 (Mon.)
39	2D + vdW Nano	MON-2D23-316	Seungjae Lim	Ajou University	Controlling single photon emissions in hBN	Dec. 4 (Mon.)
40	2D + vdW Nano	MON-2D23-317	Seok-Ju Kang	Chungnam National University	Ferroelectric domain switching behavior of α-In2Se3 with photonically controlled built-in electric fields	Dec. 4 (Mon.)
41	2D + vdW Nano	MON-2D23-319	Wonseok Choi	Seoul national university	Engineering 2D Van der waals heterojunction for synaptic transistor	Dec. 4 (Mon.)
42	2D + vdW Nano	MON-2D23-331	LEE WOOSEOK	Ajou University	Option characterization of TMDCs transistor by hyperspectral imaging	Dec. 4 (Mon.)
43	2D + vdW Nano	MON-2D23-334	Beomkyu Shin	Chungnam National University	Resistive switching in graphene oxide through UV-O3 treatment	Dec. 4 (Mon.)
44	2D + vdW Nano	MON-2D23-336	Yoon Seong Heo	Ajou University	Effects of graphene on second harmonic generation of 2D semiconductors	Dec. 4 (Mon.)
45	2D + vdW Nano	MON-2D23-339	Manh Hong Nguyen	Sogang University	Anomalous splitting in Raman spectrum of 1L-NiPS3 in anti-ferromagnetic NiPS3/FePS3 heterostructures	Dec. 4 (Mon.)
46	2D + vdW Nano	MON-2D23-365	Kiin Nam	Incheon National University	Resonance Raman and Photoluminescence Spectroscopy in Single- and Few-Layer MoS2 with Plasmonic Gold Nanoparticles	Dec. 4 (Mon.)
47	2D + vdW Nano	MON-2D23-367	Livia Janice Widiapradja	Yonsei University	Enhancing Schottky Barrier Height in Graphene-WSe2/MoSe2 Heterojunctions Barristor Through Dirac Cone-Induced Phenomenon	Dec. 4 (Mon.)
48	2D + vdW Nano	MON-2D23-372	Sung Ho Jhang	Konkuk University	Schottky junction devices based on graphene and semiconducting nanotube	Dec. 4 (Mon.)
49	2D + vdW Nano	MON-2D23-374	Minah Choi	Kyung Hee University	Precise induction of atomic-scale defects in hexagonal boron nitride (hBN) via helium ion microscopy	Dec. 4 (Mon.)
50	2D + vdW Nano	MON-2D23-381	Chenda Vong	Sogang University	Raman studies on MoS2-WSe2 heterostructures	Dec. 4 (Mon.)
51	2D + vdW Nano	MON-2D23-385	Jeonghyeon Na	Konkuk University	Indirect band gap in scrolled MoS2 monolayers	Dec. 4 (Mon.)
52	2D + vdW Nano	MON-2D23-391	Huimin Jeong	Korea Research Institute of Standards and Science (KRISS)	Thickness-dependent linear dichroism in electronic structure of the exfoliated PdSe2 layers	Dec. 4 (Mon.)
53	2D + vdW Nano	MON-2D23-395	moon seungrok	kangwon University	Density Functional Theory Study of CDW Structures in TiSe2	Dec. 4 (Mon.)
54	2D + vdW Nano	MON-2D23-401	Sang Hyeok Kim	Korea Research Institute of Standards and Science	Thickness- dependent X-ray absorption spectra of CrTe2 thin film.	Dec. 4 (Mon.)
55	2D + vdW Nano	MON-2D23-407	Chhor Yi Ly	Royal University of Phnom Penh	Low-frequency Raman spectroscopy of atomically thin HfX2 (X=S, Se)	Dec. 4 (Mon.)
56	2D + vdW Nano	MON-2D23-411	Hyojin Choi	Seoul National University	Optical Stark effects of excitonic polarons dressed by dark Fermion spin bath in gate-tunable monolayer WSe2	Dec. 4 (Mon.)
57	2D + vdW Nano	MON-2D23-426	Swathi Krishna	SUNGKYUNKWAN UNIVERSITY	Surface reconstruction of miscut sapphire substrate for the epitaxial growth of large-scale single-crystalline WSe2	Dec. 4 (Mon.)
58	2D + vdW Nano	MON-2D23-435	Hyun-geun Oh	Seoul National University	Wafer-scale MoS2 synthesis using water assisted multi-step metal organic chemical vapor deposition	Dec. 4 (Mon.)
59	2D + vdW Nano	MON-2D23-442	Hye Ryung Byun	Chungnam National University	The Role of Oxygen on n-type doping at the Edges of Multilayer WS2	Dec. 4 (Mon.)
60	2D + vdW Nano	MON-2D23-444	Thi Hue Tran	Ewha Womans university	Electrical behaviour of flexible Mos2 monolayer-based device under mechanical deformation	Dec. 4 (Mon.)
61	2D + vdW Nano	MON-2D23-455	YUNHO KIM	Chung-Ang University	Barrier-free PtSe2 Contact Formation in Two- Dimensional Homostructure for High- Performance Field-Effect Transistors	Dec. 4 (Mon.)
62	2D + vdW Nano	MON-2D23-457	Yoonah Chung	Yonsei University	Condensed matter dark state with two pairs of sublattices	Dec. 4 (Mon.)
63	2D + vdW Nano	MON-2D23-465	Hayeong Sung	Seoul National University	Modulation of metal work functions by quasi-van der Waals recrystallization	Dec. 4 (Mon.)
64	2D + vdW Nano	MON-2D23-480	Jaewoong Joo	Seoul National University	Pd-to-PdTe2 transition for low-resistance contacts of laterally stitched 2D metal-semiconductor junction	Dec. 4 (Mon.)
65	2D + vdW Nano	MON-2D23-482	Sung Kim	Kyung Hee University	Thickness-Dependent Raman and Photoluminescence Properties of Ternary Transition Metal Dichalcogenide Mo1-xWxS2 Layers	Dec. 4 (Mon.)
66	2D + vdW Nano	MON-2D23-483	Byeongchan Kim	Seoul National University	Deterministic formation of conductive filaments through crossed grain boundary of Sb2O3 for high reliability of memristors	Dec. 4 (Mon.)

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67	2D + vdW Nano	MON-2D23-490	Jaehun Lim	Hanyang University ERICA	Impact of cutoff distance on friction energy barrier: AFM tip and monolayer study	Dec. 4 (Mon.)
68	2D + vdW Nano	MON-2D23-503	Yunjo Jeong	Korea Institute of Science and Technology	Facile shellac-based fabrication of graphene oxide films	Dec. 4 (Mon.)
69	2D + vdW Nano	TUE-2D23-023	Chandra Sekhar Rout	Chungbuk National University	MXene Based Hybrid Materials for Supercapacitor Electrodes	Dec. 5 (Tue.)
70	2D + vdW Nano	TUE-2D23-151	Jeonghan Lee	Seoul National University	Quantum Emitters in van der Waals α-MoO3	Dec. 5 (Tue.)
71	2D + vdW Nano	TUE-2D23-220	Mi-hyang Yu	Seoul National University	Electrical charge control of h-BN single photon sources	Dec. 5 (Tue.)
72	2D + vdW Nano	TUE-2D23-282	Jinho Lee	Dongguk university	Local defect-engineering in monolayer MoS2 through sulfur vacancies controlling with dip-pen nanolithography	Dec. 5 (Tue.)
73	2D + vdW Nano	TUE-2D23-300	Seong Chul Hong	Seoul National University	Atomic Reconstruction of Large-Lattice-Mismatched Transition Metal Dichalcogenides Heterobilayers into Strained-Commensurate Structures	Dec. 5 (Tue.)
74	2D + vdW Nano	TUE-2D23-356	JinYoung Jeong	incheon national university	Measurement of MoSe2 carrier dynamics using pump-probe microscopy	Dec. 5 (Tue.)
75	2D + vdW Nano	TUE-2D23-508	Changheon Kim	KIST	Growth of wrinkle free nanocrystalline graphene using ICP CVD on copper	Dec. 5 (Tue.)
76	2D + vdW Nano	TUE-2D23-528	Jun Won Jang	Ajou University	Investigation of Single Photon Emitters of MOCVD-Grown WSe2	Dec. 5 (Tue.)
77	2D + vdW Nano	TUE-2D23-542	Seongmin Ko	Seoul National University	Proton beam-induced interface effects on WSe2/hBN heterostructure FETs	Dec. 5 (Tue.)
78	2D + vdW Nano	TUE-2D23-566	Sungmin Park	Seoul National University	High-mobility p-type WSe2 transistors enabled by remote modulation doping	Dec. 5 (Tue.)
79	2D + vdW Nano	TUE-2D23-583	Jaewon Han	SungKyunKwan University	Nano-imaging for Surface Plasmon Polariton on Single-crystalline Silver Surface	Dec. 5 (Tue.)
80	2D + vdW Nano	TUE-2D23-592	Hyosub Park	Daegu Gyeongbuk Institute of Science and Technology	Novel quantum states of exciton-Floquet composites: electron-hole entanglement and information	Dec. 5 (Tue.)
81	2D + vdW Nano	TUE-2D23-606	Jiwon Jeon	DGIST	Circular dichroism photoemission is identified by electron screening length	Dec. 5 (Tue.)
82	2D + vdW Nano	TUE-2D23-615	Hwiin Ju	GIST	Broken inversion symmetry in van der Waals topological ferromagnetic metal iron germanium telluride	Dec. 5 (Tue.)
83	2D + vdW Nano	TUE-2D23-622	Hyeongseok Lee	Seoul National University	Formation of Lateral-junction of Twisted and Zero-twisted Transition Metal Dichalcogenide Heterobilayer via Atomic Reconstruction	Dec. 5 (Tue.)
84	2D + vdW Nano	TUE-2D23-625	Chi Nguyen Dan	Ewha Womans University	Investigation of magnetic property in Fe-doped MoS2 layers	Dec. 5 (Tue.)
85	2D + vdW Nano	TUE-2D23-671	Won Seok Yun	DGIST	Novel semiconductors single-layer ZrHfX4 (X = S, Se) as promising two-dimensional thermoelectric materials	Dec. 5 (Tue.)
86	2D + vdW Nano	TUE-2D23-690	Ga Hyun Cho	Hanyang University	Dark Excitons from WSe2 Monolayer on the Au Micro-pillar Structures	Dec. 5 (Tue.)
87	2D + vdW Nano	TUE-2D23-710	Hyeok-Jun Kwon	chungang university	High performance Thermoelectric Properties of Polycrystalline 2D Semimetallic PtSe2 thin films	Dec. 5 (Tue.)
88	2D + vdW Nano	TUE-2D23-725	Hoang Nguyen	Chung Ang university	Exploring Optical Spin Polarization in Gallium Telluride (GaTe) via Circularly Polarized Photoluminescence	Dec. 5 (Tue.)
89	2D + vdW Nano	TUE-2D23-728	Lee Ho	Donga University	The magnetic field dependence properties of quasi two dimensional electron-deformation potential interacting System in Ge and ZnO	Dec. 5 (Tue.)
90	2D + vdW Nano	TUE-2D23-734	Yunah Lee	Seoul National University	Flexible and transparent gold network electrode fabricated on fluorinated graphene	Dec. 5 (Tue.)
91	2D + vdW Nano	TUE-2D23-739	Seungho Hong	Sogang University	Real-time Imaging of Polar Domain Dynamics in multilayer WTe2 via Operando TEM	Dec. 5 (Tue.)
92	2D + vdW Nano	TUE-2D23-745	Yongjun Shin	Seoul National University	Facilitated fluorination and etching of 2D materials	Dec. 5 (Tue.)
93	2D + vdW Nano	TUE-2D23-751	Imhwan Kim	Seoul National University	Field effect transistors using epitaxial In2Te3 grown by molecular beam epitaxy	Dec. 5 (Tue.)
94	2D + vdW Nano	TUE-2D23-752	Hansung Kim	Sejong university	Giant electron-phonon inelastic quantum transport processes in twist-angle controlled van der Waals vertical tunnel junctions	Dec. 5 (Tue.)
95	2D + vdW Nano	TUE-2D23-754	Wonseok Ryu	Sejong University	Theoretical Investigations of Janus 2D Materials	Dec. 5 (Tue.)
96	2D + vdW Nano	TUE-2D23-759	SungHa Kim	Chungnam National University	Adhesion metal dependence of h-BN encapsulated WSe2 field-effect transistors	Dec. 5 (Tue.)
97	2D + vdW Nano	TUE-2D23-762	Sangsoo Lee	Inha University	Growth of Bi thin films on WSe2 and structural changes with film thickness	Dec. 5 (Tue.)
98	2D + vdW Nano	TUE-2D23-767	Taehoon Kim	Hanyang University	Inactivation of the one-dimensional defect in WSe2 by regio-selective reaction of large organic ligand	Dec. 5 (Tue.)
99	2D + vdW Nano	TUE-2D23-769	Deogkyu Choi	Hanyang University	The influence of surface Schottky barriers on localized photocurrent reduction	Dec. 5 (Tue.)

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100	2D + vdW Nano	TUE-2D23-770	Kahyun Ko	Sogang University	Operando TEM study of polar domain dynamics in 2-D van der Waals ferroelectrics	Dec. 5 (Tue.)
101	2D + vdW Nano	TUE-2D23-771	Junho Yun	Sejong University	Electronic properties of graphene/Janus TMD/hBN heterostructure using first-principles calculations	Dec. 5 (Tue.)
102	2D + vdW Nano	TUE-2D23-772	Jieun Jo	Hanyang university	The removal of unintentional doping effect in polymer passivated Indium Selenide	Dec. 5 (Tue.)
103	2D + vdW Nano	TUE-2D23-798	KEDHARESWARA SAIRAM PASUPULETI	Chungnam National University	CuO@MXene nanocomposite-based hybrid heterostructure decorated SAW sensor for effective detection of sub-ppb level H2S gas at room temperature	Dec. 5 (Tue.)
104	2D + vdW Nano	TUE-2D23-802	Yang Kyungmin	Seoul National University	Partially gated two-dimensional barristors with low power electronics	Dec. 5 (Tue.)
105	2D + vdW Nano	TUE-2D23-810	Chan Kwon	Hanyang University	Elimination of unavoidable doping effects by passivation layers in InSe field-effect transistor via polymer/dopant composite treatment	Dec. 5 (Tue.)
106	2D + vdW Nano	TUE-2D23-821	Yerin Han	postech	Strong phonon-assisted luminescence from indirect excitons in semiconductor moiré superlattices	Dec. 5 (Tue.)
107	2D + vdW Nano	TUE-2D23-861	yongbum Lee	Konkuk University	Two-dimensional MoSi2N4 Monolayer as Highly Sensitive and Selective Nanosensor Towards Nitrogen and Sulfur Gases	Dec. 5 (Tue.)
108	2D + vdW Nano	TUE-2D23-862	Joohee Kim	Konkuk University	Computational Study on Vertical Dielectric of Functionalized Few-Layer MoS2	Dec. 5 (Tue.)
109	2D + vdW Nano	TUE-2D23-863	SeognJun Mo	Konkuk University	First-principles investigation of electronic properties in pristine and fluorinated single-layer biphenylene network	Dec. 5 (Tue.)
110	Nanomaterials / Nanodevices / Nanotools	THU-NN23-014	Hyun Kyoung Yang	Pukyong National University	Photobleach effect of multi-color emitting carbon dots for UV-light sensing	Dec. 7 (Thu.)
111	Nanomaterials / Nanodevices / Nanotools	THU-NN23-016	Zijian Chen	The Hong Kong Polytechnic University	Electrochemical Replication and Transfer for Low-Cost, Sub-100 nm Patterning of Materials on Flexible Substrates	Dec. 7 (Thu.)
112	Nanomaterials / Nanodevices / Nanotools	THU-NN23-022	Rebekah Aruldhas	Kongju National University	Enhancement of Oxygen Vacancies by Fe Doping inWO3 intercalated with BiVO4 for the Effective Degradation of Rhodamine B	Dec. 7 (Thu.)
113	Nanomaterials / Nanodevices / Nanotools	THU-NN23-026	Stella K A	St Xaviers College for Women Aluva	Effect of Bi2O3 Dopant on the Synthesis and Properties of MnCr2O4 Spinel Structures: A Comparative Study of Solid-State Synthesis and Self-Propagated High-Temperature Synthesis	Dec. 7 (Thu.)
114	Nanomaterials / Nanodevices / Nanotools	THU-NN23-027	Sagarika Sahoo	Department of Advanced Material Engineering, Functional Material Laboratory, Kongju National	Heterojunction ZnO@WO3 photocatalytic materials synthesis by hydrothermal reaction and their optical properties	Dec. 7 (Thu.)
115	Nanomaterials / Nanodevices / Nanotools	THU-NN23-038	Young Ran Park	Korea University	Synthesis of green-emitting lead-free perovskites	Dec. 7 (Thu.)
116	Nanomaterials / Nanodevices / Nanotools	THU-NN23-047	Yeng-Fong Shih	Chaoyang University of Technology	Carbon nanotube/microcapsule/polyurethane nanocomposites for multi-stimuli responsive shape memory polymers	Dec. 7 (Thu.)
117	Nanomaterials / Nanodevices / Nanotools	THU-NN23-090	Eun Kyu Kim	Hanyang University	Resistive switching properties through structural phase transition of CuxO films	Dec. 7 (Thu.)
118	Nanomaterials / Nanodevices / Nanotools	THU-NN23-121	Sooyeon Kim	Ajou university	Scanning Gate Microscopy on Field Effect Transistors Based on 2D Materials	Dec. 7 (Thu.)
119	Nanomaterials / Nanodevices / Nanotools	THU-NN23-132	Lei Liu	Hankuk University of Foreign Studies	A Full spectrum responsive photocatalysts: preparation and structural transformation mechanism of SnFe2O4	Dec. 7 (Thu.)
120	Nanomaterials / Nanodevices / Nanotools	THU-NN23-150	Jeong Park	ETRI	Effects of gate metal work function on GAA(gate-all -around) FET operations	Dec. 7 (Thu.)
121	Nanomaterials / Nanodevices / Nanotools	THU-NN23-193	JaeKyung Lee	Chungnam National University	Triboelectric effect of various FeSe nanomaterials to understand electronic band structure	Dec. 7 (Thu.)
122	Nanomaterials / Nanodevices / Nanotools	THU-NN23-221	Thi Mai Huong Nguyen	University of Economics-Technology for Industries	Ag doped-TiO2 nanoparticles for enhancing photocatalytic decomposition of gas ethylene under solar light	Dec. 7 (Thu.)
123	Nanomaterials / Nanodevices / Nanotools	THU-NN23-237	Jinho Jeon	Pusan National University	Electrical instability induced by photoresist residues on a-IGZO thin film transistors	Dec. 7 (Thu.)
124	Nanomaterials / Nanodevices / Nanotools	THU-NN23-239	Hyunjeong Jeong	Ewha womans university	In-situ observation of electrical characteristics in twist-stacked 2D materials	Dec. 7 (Thu.)
125	Nanomaterials / Nanodevices / Nanotools	THU-NN23-241	Hyeonhui Jeong	Ewha Womans University	Lithography-free fabrication of 2D material based heterostructure and its characteristics	Dec. 7 (Thu.)
126	Nanomaterials / Nanodevices / Nanotools	THU-NN23-244	Yugyeong Je	Ewha Womans University	Observation of mechanical resonance mode in mass-loaded graphene nano-electromechanical drums	Dec. 7 (Thu.)
127	Nanomaterials / Nanodevices / Nanotools	THU-NN23-258	Sungkyu Kim	Sejong University	Epitaxial growth of compounds semiconductors using low-dimensional materials for high-quality freestanding films	Dec. 7 (Thu.)
128	Nanomaterials / Nanodevices / Nanotools	THU-NN23-272	Jeong-Sik Jo	Dongguk university	Highly Controlled Gold Nanohole Fabrication and Its Application by Scanning Probe Lithography with a Sacrificial Layer	Dec. 7 (Thu.)
129	Nanomaterials / Nanodevices / Nanotools	THU-NN23-284	Dong Yun Lee	Sejong University	Designed functionalization of large-area CVD grown graphene using DUV	Dec. 7 (Thu.)
130	Nanomaterials / Nanodevices / Nanotools	THU-NN23-299	Jaejoon Kim	Incheon National University	Optical and electrical properties of transition metal dichalcogenides vary with the number of layers	Dec. 7 (Thu.)
131	Nanomaterials / Nanodevices / Nanotools	THU-NN23-327	Joonsoo Kim	Sungkyunkwan university	Revealing topological phase transition in Bi2Se3 via broadband transient absorption spectroscopy	Dec. 7 (Thu.)
132	Nanomaterials / Nanodevices / Nanotools	THU-NN23-335	Jung Jinwoo	Seoul National University	Optical field approach for controlling alignment of anisotropic colloidal nanocrystals	Dec. 7 (Thu.)

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#	Session	Presentation Code	Presenter's Name	Presenter's Affiliation	Title	Presentation Date
133	Nanomaterials / Nanodevices / Nanotools	THU-NN23-343	Sang Hoon Kim	Korea Institute of Science and Technology	Electro-Fenton systems with highly efficient oxygen reduction reaction cathodes	Dec. 7 (Thu.)
134	Nanomaterials / Nanodevices / Nanotools	THU-NN23-345	Sang Hoon Kim	Korea Institute of Science and Technology	A novel microreactor with stainless steel wire-mesh support catalysts for dry reforming of methane	Dec. 7 (Thu.)
135	Nanomaterials / Nanodevices / Nanotools	THU-NN23-354	Jung Gyeong Bok	Chosun University	Characterization of Yb3+-Er3+ co-doped CaTiO3 upconversion nanoparticles using high-energy ball-milling	Dec. 7 (Thu.)
136	Nanomaterials / Nanodevices / Nanotools	THU-NN23-373	Yea Sol Jang	Korea Electronics Technology Institute	Correlation analysis through metal 3D printer monitoring	Dec. 7 (Thu.)
137	Nanomaterials / Nanodevices / Nanotools	THU-NN23-380	SeongMin Park	KETI	Powder Supply Monitroing for Directed Energy Deposition-Based Metal 3D Printer	Dec. 7 (Thu.)
138	Nanomaterials / Nanodevices / Nanotools	THU-NN23-404	Taek Joon Kim	Korea University	Dynamics of far-red interlayer exciton in MAPbI3/CdSe-ZnS-QD heterostructure	Dec. 7 (Thu.)
139	Nanomaterials / Nanodevices / Nanotools	THU-NN23-450	Yeongseo Han	Sookmyung Womens University	Negative Differential Interlayer Resistance via Conducting Channel Migration of Multilayer WSe2	Dec. 7 (Thu.)
140	Nanomaterials / Nanodevices / Nanotools	THU-NN23-463	BUSSARIN KSAPABUTR	Silpakorn University	Facile in-situ synthesis of polyaniline/biomass-based nitrogen-doped carbon from macadamia for supercapacitors	Dec. 7 (Thu.)
141	Nanomaterials / Nanodevices / Nanotools	THU-NN23-466	MANOP PANAPOY	Silpakorn University	Biogenic synthesis of silver nanoparticles for colorimetric detection of subnanomolar Hg2+ and Fe2+ using banana peel extracts via microwave-assisted method	Dec. 7 (Thu.)
142	Nanomaterials / Nanodevices / Nanotools	THU-NN23-479	Jong Il Park	Korea Institute of Science and Technology	A Study on the nitrogen dioxide gas sensor of carbon nanowire made using electrophoresis method.	Dec. 7 (Thu.)
143	Nanomaterials / Nanodevices / Nanotools	THU-NN23-485	Sung Soo Ha	Sogang University	Visualization of Ultrafast Polaronic Lattice Distortion in Perovskite-oxide Nanocrystals	Dec. 7 (Thu.)
144	Nanomaterials / Nanodevices / Nanotools	THU-NN23-487	Gyounghoon Oh	SUNGKYUNKWAN UNIVERSITY	Resistance control of Ge2Sb2Te5 in phase-change memory by the trailing edge program pulses	Dec. 7 (Thu.)
145	Nanomaterials / Nanodevices / Nanotools	THU-NN23-488	Tae-Hun Sohn	Chungnam National University	Photocurrent and Responsivity measurement for InGaAsP Semiconductor based Metal-Semiconductor-Metal Photodetector in Near-Infrared region	Dec. 7 (Thu.)
146	Nanomaterials / Nanodevices / Nanotools	THU-NN23-501	FENG WANG	SUNGKYUNKWAN UNIVERSITY	Flexible, lightweight, and high electrical conductivity Copper/CNT composite yarn	Dec. 7 (Thu.)
147	Nanomaterials / Nanodevices / Nanotools	THU-NN23-507	Guangtao Zan	Yonsei University	Intelligent stress dispersion for super-foldable electrodes via biomimetic design	Dec. 7 (Thu.)
148	Nanomaterials / Nanodevices / Nanotools	THU-NN23-511	Kim Anh Huynh	Gachon University	Transition metal-doped indium oxide based highly near-infrared transparent thin film heater	Dec. 7 (Thu.)
149	Nanomaterials / Nanodevices / Nanotools	THU-NN23-512	Nattawut Chaiyut	Faculty of Engineering and Industrial Technology, Silpakorn University	Development and characterization of silver-modified clay/PVA/chitosan nanocomposite films for active food packaging	Dec. 7 (Thu.)
150	Nanomaterials / Nanodevices / Nanotools	THU-NN23-514	Hyojin Kang	Chungnam national university	Investigation of the distinct optical characteristics and bandgap of Iron Selenide nanomaterials	Dec. 7 (Thu.)
151	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-346	Sang Hoon Kim	Korea Institute of Science and Technology	Isopropyl alcohol removal from semiconductor wastewater by advanced oxidation processes using Cu added iron oxide catalyst under UV light	Dec. 8 (Fri.)
152	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-348	Sang Hoon Kim	Korea Institute of Science and Technology	Nano-crystalline Ni based NiAl2O4 catalysts for coking free low temperature partial oxidation of methane	Dec. 8 (Fri.)
153	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-349	Sang Hoon Kim	Korea Institute of Science and Technology	Sulfur-modified nickel oxide catalysts as the cathode for effective Acid Orange 7 degradation by electro-Fenton.	Dec. 8 (Fri.)
154	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-561	Su-Yeon Joung	Seoul National University	All solution-processed high-performance MoS2 thin film transistors with the high-k perovskite oxide dielectric	Dec. 8 (Fri.)
155	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-573	JIN YONG AN	KOREA UNIVERSITY	Interfacial Contact Engineering for Enhancing Optoelectronic Performance in 2D Semiconductor Heterostructures	Dec. 8 (Fri.)
156	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-580	yeong gwang khim	university of seoul	Ovonic threshold switching of ZnTe layer modulated by bottom electrode.	Dec. 8 (Fri.)
157	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-582	Yeon Ho Kim	Korea University	Gate-dielectric-less MoS2 metal-semiconductor field-effect transistor at the Boltzmann switching limit	Dec. 8 (Fri.)
158	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-591	Hyerin JO	Soongsil University	Vertical ZnO Nanotubes on Graphene Films for Applications in Flexible Photonic Synapse	Dec. 8 (Fri.)
159	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-609	Hyunsoo KIM	Soongsil University	16x16 Active Matrix Strain Gauge Array For Robotic Applications	Dec. 8 (Fri.)
160	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-613	Hwasun Cho	Soongsil University	The tunneling layer properties of a-BN thin films deposited by RF magnetron sputtering for non-volatile memory application	Dec. 8 (Fri.)
161	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-617	Dahyun Choi	Sookmyung Womens University	Redistribution of vertical carrier density profile within WSe2 multilayers: effects of contact resistance	Dec. 8 (Fri.)
162	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-621	Sang hwa Park	Sogang University	Mechanical manipulation of moire ferroelectric domain structures in twisted bilayer WSe2	Dec. 8 (Fri.)
163	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-623	INCHUL CHOI	Konkuk university	The evolution of reverse-biased current mechanism of graphene-WS2 barristor junction device by temperature and barrier height modulation	Dec. 8 (Fri.)
164	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-641	Hojun Oh	Gwangju Institute of Science and Technology	The impact of correlated structural defects on the metal-to-insulator transition in VO2 thin films grown on c-cut sapphire	Dec. 8 (Fri.)
165	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-652	Saehyun Kang	Gwangju Institute of Science and Technology	Suppression of metal-insulator transition in V2O3 thin film: An in-situ X-ray diffraction study	Dec. 8 (Fri.)

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#	Session	Presentation Code	Presenter's Name	Presenter's Affiliation	Title	Presentation Date
166	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-661	hyeonseop lee	Pusan National University	a study on the new process for controlling the stability of solution process a-IGZO thin film transistors	Dec. 8 (Fri.)
167	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-663	Thazin Wai Htun	Pusan National University	Tuning the quantum Hall conductance in graphene	Dec. 8 (Fri.)
168	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-665	Youngchun Jo	Pusan National University	Analysis of optoelectronic properties of aluminum deposited a-IGZO phototransistor	Dec. 8 (Fri.)
169	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-681	Asad Ali	Seoul National University	Position controlled ZnMgO-ZnO coaxial nanotube arrays on graphene for strain sensing	Dec. 8 (Fri.)
170	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-706	YoonKi KIM	Sogang University	Anomalous domain switching in ferroelectric Si-doped HfO2 thin film capacitors	Dec. 8 (Fri.)
171	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-708	Sangwon An	Sogang Universtiy	Investigation of Ferroelectricity and Polarization Switching Dynamics of Hf0.5Zr0.5O2 Thin Films Depending on Annealing Temperatures	Dec. 8 (Fri.)
172	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-732	Lee Ho	Donga University	Qantum transition properties of the electron deformation potential phonon interacting qusi-two dimensional system in GaN and GaAs	Dec. 8 (Fri.)
173	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-748	Im Junhee	Chungnam National University	First principles study on two-dimensional Kagome lattice system AV3Sb5 (A = K, Rb, Cs)	Dec. 8 (Fri.)
174	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-753	Kyuseok Yun	Sogang university	Atomic resolution strain derived from limited resolution in coherent X-ray diffraction imaging	Dec. 8 (Fri.)
175	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-755	Jungtae Nam	Sejong University	Controlled synthesis of pristine and N-doped Graphene and characterization of their heterojunction	Dec. 8 (Fri.)
176	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-764	Do-hyun PARK	Konkuk university	Barristor-based gas sensor with extremely high sensitivity	Dec. 8 (Fri.)
177	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-774	Rachmat Waluyo	Institut Teknologi Bandung	Unraveling excitation-dependent selective sensing by excitation-dependent of nitrogen and sodium co-doped	Dec. 8 (Fri.)
178	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-779	MINH HIEU NGO	Sogang University	Size-Specific Synthesis of SrTiO3 Nanocubes via Hydrothermal Methods	Dec. 8 (Fri.)
179	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-789	Jiseong Oh	Sogang university	Internal distortion of BiVO4 nanocrystals observed at phase transition by coherent X-ray diffraction imaging	Dec. 8 (Fri.)
180	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-790	Vigneshwaran Mohan	Jeju National University	Graphene Oxide/carboxymethyl cellulose based Free Standing Film as a Tribomaterial for Self-Powered Motion Sensor	Dec. 8 (Fri.)
181	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-797	Subin Shin	Korea Institute of Science and Technology	Enhanced Antibacterial Filter Using MWCNT-Hanji Composite	Dec. 8 (Fri.)
182	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-805	Muthukumar Perumalsamy	Jeju national university	Ionic liquid modified Zn, Co, Fe-NC polyhedron core–shell electrocatalyst for oxygen reduction reaction	Dec. 8 (Fri.)
183	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-806	Geon Joon Lee	Kwangwoon University	Optical, structural, and sensing properties of metal nanoparticles synthesized using atmospheric-pressure plasma jets	Dec. 8 (Fri.)
184	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-819	Donghwan Ahn	Kookmin University	Modeling of Magnetorheological Fluid Behavior and its Dependence on Magnetic Particle Size	Dec. 8 (Fri.)
185	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-828	MinJi Im	KIST Jeonbuk Institute of Advanced Composite Materials, and Gwangju Institute of Science	A Development of N-GQDs@NF as highly efficient and stable electrocatalyst for the oxygen evolution reaction.	Dec. 8 (Fri.)
186	Nanomaterials / Nanodevices / Nanotools	FRI-NN23-840	EUN MI KIM	Korea Advanced Institute of Science and Technology	Highly efficient intermodal coupling in micromechanical square-membrane resonator at room temperature	Dec. 8 (Fri.)
187	Organic Electronics and Photonics	TUE-OE23-102	Yeunwoo Kwon	Seoul National University	Improving electrical properties of PEDOT:PSS-based resistive random access memory	Dec. 5 (Tue.)
188	Organic Electronics and Photonics	TUE-OE23-122	Minjun Kim	Seoul National University	High-performance inverted bottom-emission QLEDs by optimizing the microcavity	Dec. 5 (Tue.)
189	Organic Electronics and Photonics	TUE-OE23-125	Xiangyang Fan	Pukyong National University	Phosphine-Oxide Modulator Ameliorates Hole Injection for Blue Perovskite Light-Emitting Diodes	Dec. 5 (Tue.)
190	Organic Electronics and Photonics	TUE-OE23-168	KwangRo Yun	Korea university	High performance phototransistor based on metal oxide/perovskite heterostructure via multifunctional cation passivation	Dec. 5 (Tue.)
191	Organic Electronics and Photonics	TUE-OE23-174	Yongcheol Jo	Brain Gear Inc.	Enhancing organic photodetectors with NF-SMA IEICO-4F for improved performance in near-infrared region	Dec. 5 (Tue.)
192	Organic Electronics and Photonics	TUE-OE23-203	Hyeong Woo Bae	Gumi Electronics & Information Technology Research Institute (GERI)	Ytterbium (Yb) seed layer based ultrathin transparent conducting electrodes for flexible organic light emitting diodes (OLEDs) display applications	Dec. 5 (Tue.)
193	Organic Electronics and Photonics	TUE-OE23-204	Hyeong Woo Bae	Gumi Electronics & Information Technology Research Institute (GERI)	White organic light emitting diodes on silicon (OLEDoS) microdisplays for augmented reality devices	Dec. 5 (Tue.)
194	Organic Electronics and Photonics	TUE-OE23-210	Jaeseung Kim	Sogang University	Enhancing Device Efficiency through Structural Modification of the Quantum Dot Layer Utilizing Various Additives in Electroluminescent Quantum Dot Light-Emitting Diodes	Dec. 5 (Tue.)
195	Organic Electronics and Photonics	TUE-OE23-325	Juyoung Jin	Jeonbuk National University	Porous Copper Bromide by bromination of hierarchical Cu nanosheets film as efficient NH3 sensor	Dec. 5 (Tue.)
196	Organic Electronics and Photonics	TUE-OE23-347	Kwang Seop Shin	Korea University	Luminescent characteristics of π-conjugated organic donor, acceptor, and dopant heterostructure for organic light emitting diodes	Dec. 5 (Tue.)
197	Organic Electronics and Photonics	TUE-OE23-378	Kitae Kim	Yonsei University	Investigating impacts of alkyl chain length on energy level alignment in two-dimensional halide perovskites and its substrate dependence at the interface	Dec. 5 (Tue.)
198	Organic Electronics and Photonics	TUE-OE23-405	Sang-hun Lee	Korea university	Study of Dipole Direction and Exciplex Delocalization in Organic Donor-Acceptor Heterostructures	Dec. 5 (Tue.)

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199	Organic Electronics and Photonics	TUE-OE23-422	Young-Seok Song	Jeonbuk National University	Controllable synaptic function of ferroelectric organic neuromorphic transistors via photocrosslinking	Dec. 5 (Tue.)
200	Organic Electronics and Photonics	TUE-OE23-460	MING LI	Hanyang University	Highly stable and flexible synaptic devices based on flexible PVP-GO QDs nanocomposites	Dec. 5 (Tue.)
201	Organic Electronics and Photonics	TUE-OE23-469	Lee Jeongmin	Pukyong National University	Enhancing Electrical Performance of OFETs Through Alignment of Polymer Films	Dec. 5 (Tue.)
202	Organic Electronics and Photonics	TUE-OE23-471	seungyeon kim	Jeonbuk National University	Selective assembly of two-dimensional single crystalline metal nanosheets via ultrasonic process	Dec. 5 (Tue.)
203	Organic Electronics and Photonics	TUE-OE23-492	HoYeon Kim	Yonsei University	MXene-Encapsulated Magnetic Liquid Metal for 3D Motion-Adaptive Synapses	Dec. 5 (Tue.)
204	Organic Electronics and Photonics	TUE-OE23-513	Hyeonji Joo	Jeonbuk National University	Study on modulation of electrical properties in IGZO thin-film transistors with 2D single-crystalline silver nanosheets	Dec. 5 (Tue.)
205	Organic Electronics and Photonics	TUE-OE23-515	SNEHA BHISE	Jeonbuk National University	Low Temperature and Solution-processed sol-gel Aluminium Oxide Charge-trap layer for Floating gate Memory transistors and their artificial synapse application	Dec. 5 (Tue.)
206	Organic Electronics and Photonics	TUE-OE23-518	Seonju Lee	Yonsei University	Efficient electrical control of block copolymer structural color display using organohydrogel humidity management	Dec. 5 (Tue.)
207	Organic Electronics and Photonics	TUE-OE23-538	Jaeyong Woo	Seoul National University	Reversible air-induced p-doping in 2D tin halide perovskite transistors	Dec. 5 (Tue.)
208	Organic Electronics and Photonics	TUE-OE23-553	Minyoung Seo	Jeonbuk National University	2D Cu@Cu2O core-shell nanosheets films for reliable electromagnetic interference shielding applications	Dec. 5 (Tue.)
209	Organic Electronics and Photonics	TUE-OE23-554	Seungmin Shin	Korean Advanced Institute of Science and Technology	High-Frequency Switchable Permeable Source Quantum Dot Light-Emitting Transistor for Visible Light Communication	Dec. 5 (Tue.)
210	Organic Electronics and Photonics	TUE-OE23-565	choi chiwon	Dongguk University	Photoluminescence of organic fluorescent crystals depending on the surface energy of the substrate for the crystallization	Dec. 5 (Tue.)
211	Organic Electronics and Photonics	TUE-OE23-588	DONGUK KIM	Seoul National University	Molecular level modulation by electrolyte gate in mixed molecular vertical junctions	Dec. 5 (Tue.)
212	Organic Electronics and Photonics	TUE-OE23-590	Jin Seok Yoon	Korea Maritime and Ocean University	Effect of Side-chain Engineering Polymer Nanowire for Organic Electronic Devices	Dec. 5 (Tue.)
213	Organic Electronics and Photonics	TUE-OE23-594	NAK HEE KANG	Korea Maritime and Ocean University	Fabrication of encapsulated polymer nanowire of balanced ambipolar charge transmission	Dec. 5 (Tue.)
214	Organic Electronics and Photonics	TUE-OE23-605	Aelim Ha	Korea Institute of Science and Technology	Study on energy level alignment between metal and two-dimensional organic-inorganic hybrid Ruddlesden-Popper perovskites: Focusing on the role of organic spacers	Dec. 5 (Tue.)
215	Organic Electronics and Photonics	TUE-OE23-626	SeungHwan Kim	Korea Institute of Science and Technology	Revealing the Electronic Properties of Silver Phenylselenolate [AgSePh]∞ by X-ray and Ultraviolet Photoemission measurement	Dec. 5 (Tue.)
216	Organic Electronics and Photonics	TUE-OE23-649	Seungyun You	Korea Institute of Science and Technology (KIST)	Growth of ultrathin single-crystalline two-dimensional halide perovskite	Dec. 5 (Tue.)
217	Organic Electronics and Photonics	TUE-OE23-677	DAEHUN Kim	Hanyang University	High efficient fiber based quantum dot-organic light-emitting device with microstructure color conversion layer	Dec. 5 (Tue.)
218	Organic Electronics and Photonics	TUE-OE23-740	Hyounji Ha	Kyunghee University	A transparent heterojunction photodiode for real-time UV monitoring applications	Dec. 5 (Tue.)
219	Organic Electronics and Photonics	TUE-OE23-826	XINYUE WAN	Dankook University	Hydrogen gas filter development and microbial fuel cell application research using high energy proton beam irradiation	Dec. 5 (Tue.)
220	Organic Electronics and Photonics	TUE-OE23-881	Won Jun Pyo	Pohang University of Science and Technology	Fab-compatible color-selective organic photodiode and its application to the X-ray sensor	Dec. 5 (Tue.)
221	Organic Electronics and Photonics	TUE-OE23-882	Chan So	Pohang University of Science and Technology	M3D integration of SWIR organic photodiode and CMOS	Dec. 5 (Tue.)
222	Organic Electronics and Photonics	TUE-OE23-883	Sangjun Lee	Pohang University of Science and Technology	Polaron mediated SWIR detection	Dec. 5 (Tue.)
223	Oxide heterostructures and Neuromorphic Devices	THU-ON23-031	Yerim Kim	Daegu Gyeongbuk Institute of Science & Technology	A quantization approach for reducing weight levels in hardware-based neuro-network implementations	Dec. 7 (Thu.)
224	Oxide heterostructures and Neuromorphic Devices	THU-ON23-036	Young Ran Park	Korea University	Halide perovskite QD-based heterojunction synaptic array for self-rectifying artificial neural network	Dec. 7 (Thu.)
225	Oxide heterostructures and Neuromorphic Devices	THU-ON23-039	Wilfrid Prellier	CNRS	Functional Oxide Thin Films for Applications in Optical, Electronic and Health	Dec. 7 (Thu.)
226	Oxide heterostructures and Neuromorphic Devices	THU-ON23-124	Hee Yeon Noh	DGIST	Investigation of hydrogen migration mechanism in InGaZnO through specific process and improvement of electrical properties	Dec. 7 (Thu.)
227	Oxide heterostructures and Neuromorphic Devices	THU-ON23-144	Su-Kyung KIM	KOREA UNIVERSITY	Enhancing artificial synaptic properties by utilizing an electrolyte gated oxynitride thin film transistor	Dec. 7 (Thu.)
228	Oxide heterostructures and Neuromorphic Devices	THU-ON23-166	Do Hyun Kim	Sungkyunkwan university	Achieving highly active Ba-deficient BaRuO3 surface for alkaline hydrogen evolution	Dec. 7 (Thu.)
229	Oxide heterostructures and Neuromorphic Devices	THU-ON23-205	Yeongju Choi	Sungkyunkwan university	Direct chemical vapor deposition of graphene on perovskite transition metal oxides	Dec. 7 (Thu.)
230	Oxide heterostructures and Neuromorphic Devices	THU-ON23-242	Yongjoo Jo	Pohang University of Science and Technology	Efficient field-free magnetization switching in a single-phase oxide	Dec. 7 (Thu.)
231	Oxide heterostructures and Neuromorphic Devices	THU-ON23-363	Yeongsam Kim	DGIST	Exploring memristor-based non-volatile memory devices and oxidation-enhanced resistive memory performance	Dec. 7 (Thu.)

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232	Oxide heterostructures and Neuromorphic Devices	THU-ON23-370	Mi-Jin Jin	Institute of Basic Science	Spin orbit coupling driven strong spin to charge conversion in all oxide interface	Dec. 7 (Thu.)
233	Oxide heterostructures and Neuromorphic Devices	THU-ON23-379	HYOUNGJIN PARK	Kyungpook National University	Impact of Al dopant distribution in HfO2 layer on ferroelectric switching characteristics	Dec. 7 (Thu.)
234	Oxide heterostructures and Neuromorphic Devices	THU-ON23-388	Dong-Jae Lee	Soongsil University	Investigation on photoluminescence and photochromism in Eu3+ doped (Ba1-xCax)TiO3	Dec. 7 (Thu.)
235	Oxide heterostructures and Neuromorphic Devices	THU-ON23-412	Yunsur Kim	Kyungpook National University	Synaptic behavior in selector-less AlOx/HfOx RRAM for neuromorphic computing applications	Dec. 7 (Thu.)
236	Oxide heterostructures and Neuromorphic Devices	THU-ON23-421	Jiwoo Seo	Soongsil University	X-ray micro-diffraction study of structural change in Eu3+ doped (1-x)BaTiO3-xCaZrO3	Dec. 7 (Thu.)
237	Oxide heterostructures and Neuromorphic Devices	THU-ON23-428	Jaeho Han	Soongsil University	Doping and Pressure dependent Structural transformations and Photoluminescence properties of Hf1-xAxO2:Eu3+ (A = Pr3+ and Zr4+)	Dec. 7 (Thu.)
238	Oxide heterostructures and Neuromorphic Devices	THU-ON23-443	Lee Chaeyeon	Soongsil University	Study on the structural and luminescent properties of Er3+ doped K5Y(P2O7)2	Dec. 7 (Thu.)
239	Oxide heterostructures and Neuromorphic Devices	THU-ON23-445	Kwanchul Lee	Soongsil University	Overcoming the thermal quenching effect in Emission of Eu3+ doped HfW2O8 via Negative Thermal Expansion	Dec. 7 (Thu.)
240	Oxide heterostructures and Neuromorphic Devices	THU-ON23-453	Jiae Jeong	Kyungpook National University	Multilevel polarization switching in doped HfO2 layers by stack engineering for high-density memory applications	Dec. 7 (Thu.)
241	Oxide heterostructures and Neuromorphic Devices	THU-ON23-459	Hyeonsik Choi	Kyungpook National University	Understanding the impact of oxide barriers in NbOx-based threshold switching selectors	Dec. 7 (Thu.)
242	Oxide heterostructures and Neuromorphic Devices	THU-ON23-474	Sanghyeon Kim	Pohang university of science and technology	High-κ ultrathin perovskite oxides with atomic polarization gradients	Dec. 7 (Thu.)
243	Oxide heterostructures and Neuromorphic Devices	THU-ON23-537	Sangwon Wi	Soongsil University	Optoelectronic Synapse Behaviors in Tb3+/Al3+ Co-doped CaSnO3 with long persistent luminescence	Dec. 7 (Thu.)
244	Oxide heterostructures and Neuromorphic Devices	THU-ON23-571	Chang Uk JUNG	Hankuk University of Foreign Studies	Graphene Quantum Dots to use Sr(Fe0.5Co0.5)Ox ReRAM Devices in vacuum condition	Dec. 7 (Thu.)
245	Oxide heterostructures and Neuromorphic Devices	THU-ON23-601	JinYoung Maeng	Chungnam National University	Specific pattern oxygen vacancy of nickelate thin film through pulsed laser annealing	Dec. 7 (Thu.)
246	Oxide heterostructures and Neuromorphic Devices	THU-ON23-871	Khan Muhammad Asghar	Sejong University	Floating Metal Gate Transistors of 2D Materials for Neuromorphic Memory Applications	Dec. 7 (Thu.)
247	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-478	Sanghyeon Kim	Pohang university of science and technology	Artificial bulk Rashba metals by selective atomic gradients	Dec. 8 (Fri.)
248	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-586	Jungehy Hong	INHA university	Strain-Insensitive Magnetic Behavior in Epitaxial SrRuO3 Thin Films with CoFe2O4 Buffer Layers	Dec. 8 (Fri.)
249	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-587	Heechan Bang	Korea Advanced Institute of Science and Technolog	Control of ferroelectricity in Hf0.5Zr0.5O2-δ by using electrochemical oxygen pumping	Dec. 8 (Fri.)
250	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-604	Seongmin Park	Gwangju Institute of Science and Technology	Effect of epitaxial strain and strain-mediated defects on crystal structure and ferroelectricity in epitaxial SrMnO3 film grown on piezoelectric PMN-PT substrate	Dec. 8 (Fri.)
251	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-628	Sang-Don Bu	Jeonbuk National University	Phase variation of PbTiO3 nanotubes in the post-annealing process due to the high volatility of Pb	Dec. 8 (Fri.)
252	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-645	Chang Won Ahn	University of Ulsan	Large electrostrictive response via tailoring ergodic relaxor state in Bi1/2Na1/2TiO3-based ceramics	Dec. 8 (Fri.)
253	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-648	Hyunsoo Ahn	Inha University	Mechanical stability of LaNiO3 flexible thin-film electrode	Dec. 8 (Fri.)
254	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-651	Jaehyun Lee	Korea Institute of Advanced Science and Technology	Reversible hydrogen control of the superconducting state in the La2-xCexCuO4 thin film	Dec. 8 (Fri.)
255	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-697	jinyoung Kim	Seoul national university	Experimental observation of anomalous hall signature in iridate based heterostructure	Dec. 8 (Fri.)
256	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-703	JunHyung Jeong	Kyung Hee University	IGZO based Solution processed metal oxide heterostructured near-infrared phototransistor	Dec. 8 (Fri.)
257	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-707	MINYOUNG JUNG	Chung-Ang University	Epitaxial nickelate thin films grown by magnetron sputtering	Dec. 8 (Fri.)
258	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-715	Heung-Sik Park	Korea Advanced Institute of Science and Technology(KAIST)	Visualization of filamentary conduction pathways in a perovskite oxide thin film by optical microscopy, transmission electron microscopy, and Raman microscopy	Dec. 8 (Fri.)
259	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-717	JinHyun Ma	Kyung Hee University	Highly enhanced IGZO based ultraviolet phototransistor via additional ZnO absorption layer	Dec. 8 (Fri.)
260	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-720	Sojeong Ko	Ewha Womans University	Spectroscopic insights into the high-entropy pyrochlore Gd2(Ti0.2Zr0.2Hf0.2Sn0.2Nb0.2)2O7	Dec. 8 (Fri.)
261	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-722	Minho Park	Kyung Hee University	Research on self-rectifying memristor using oxygen vacancy gradient of solution-processed TiO2	Dec. 8 (Fri.)
262	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-729	Jin-Hyun Choi	Ulsan National Institute of Science & Technology	WxV1-xO2 multilayer with high thermal response in broad temperature range	Dec. 8 (Fri.)
263	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-750	Eunhee Kee	Konkuk University	Electrical and magnetic properties of graphene/graphene oxide(GO) heterostructure	Dec. 8 (Fri.)
264	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-783	Tae Heon Kim	University of Ulsan	Hetero-anionic lead-free double perovskite halides for band gap engineering	Dec. 8 (Fri.)

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#	Session	Presentation Code	Presenter's Name	Presenter's Affiliation	Title	Presentation Date
265	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-784	Hy-Won Seo	Jeju National University	Dielectric Properties of Nanocomposite Titanium Oxide Films Grown via Reactive DC Sputtering	Dec. 8 (Fri.)
266	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-794	DaYea Oh	Konkuk Univ	Synaptic MoS2 transistors based on charge trapping two-dimensionally confined in Sr2-xCoxNb3O10 nanosheets	Dec. 8 (Fri.)
267	Oxide heterostructures and Neuromorphic Devices	FRI-ON23-804	Joohee Park	Ewha Womans University	Defect Study in CoNb2O6 with Raman and Infrared Spectroscopy	Dec. 8 (Fri.)
268	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-054	Yunhyeong Jang	Nextron Corporation	Micro-probe system for in-situ electrochemical and structural studies	Dec. 4 (Mon.)
269	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-055	Kang-Pil Kim	Daegu-Gyeongbuk Institute of Science and Technology (DGIST)	Effect of linear-patterned TiO2 photoelectrodes by nano-imprinting in CsPbIBr2 solar cells	Dec. 4 (Mon.)
270	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-058	Sang Jun Park	Korea National University of Transportation	Enhanced Thermoelectric Performance of Famatinite via Double Doping with Ge and Se	Dec. 4 (Mon.)
271	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-060	Kang-Pil Kim	Daegu-Gyeongbuk Institute of Science and Technology (DGIST)	Efficiency Improvement of Sb2S3 solar cells by nanowires-nanoparticles based TiO2 photoelectrodes	Dec. 4 (Mon.)
272	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-061	Il-Ho KIM	Korea National University of Transportation	Off-stoichiometric Famatinite and Permingeatite: Synthesis and Thermoelectric Performance	Dec. 4 (Mon.)
273	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-062	Il-Ho KIM	Korea National University of Transportation	Thermoelectric Properties of Double-Doped Famatinite	Dec. 4 (Mon.)
274	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-066	CHIH-HAO CHANG	Chaoyang University of Technology	Grapevine char-containing microcapsule composite used for thermal energy storage	Dec. 4 (Mon.)
275	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-086	Sarah Su-O Youn	Ewha Womans University	Understanding the doping effect of bismuth in lead halide perovskite single crystals	Dec. 4 (Mon.)
276	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-107	Junyoung Park	Pohang University of Science and Technology	Additive manufactured transverse thermoelectric legs optimized by topology optimization	Dec. 4 (Mon.)
277	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-112	Geumha Lim	Ewha Womans University	Enhancing the open-circuit voltage in CZTSSe solar cells via Li post-deposition treatment	Dec. 4 (Mon.)
278	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-128	YING LI	Pukyong National University	Small organic molecule additive passivation for efficient green quasi-2D perovskite LEDs	Dec. 4 (Mon.)
279	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-129	Eunhye Yang	pukyong national university	Indolo-Carbazole-Based Conjugated Small Molecular Electrolytes for Spontaneous Electron Transport Layer Formation in Polymer Solar Cells	Dec. 4 (Mon.)
280	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-130	Fengwu Liu	Pukyong National University	Utilization of carbon nitride nanoparticles for high-performance perovskite solar cells	Dec. 4 (Mon.)
281	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-131	Lei Liu	Hankuk University of Foreign Studies	Investigation of photothermal catalytic degradation of antibiotic CTC by a full-spectrum photothermal photocatalyst SnFe2O4	Dec. 4 (Mon.)
282	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-133	XIANGRUI DU	Pukyong National University	Multi-functional additive material for efficient quasi-2D perovskite light-emitting diodes	Dec. 4 (Mon.)
283	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-136	LI SHIPING	Hankuk University of Foreign Studies	2D Bi2MoO6/Zn3V2O8 heterojunction photocatalyst for efficient photocatalytic reduction of CO2 to CO and CH4	Dec. 4 (Mon.)
284	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-137	Fuqiang Li	Pukyong National University	Multifunctional ligand for highly efficient and stable FAPbI3 perovskite solar cells and modules	Dec. 4 (Mon.)
285	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-140	Pham Thi Huong	Gachon University	TiO2 nanoparticles modified graphitic carbon nitride to improve photocatalytic H2 evolution under solar light	Dec. 4 (Mon.)
286	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-147	Mikiyas Mekete Meshesha	Kumoh national institute of technology	The remarkable performance of Zinc Cobalt Sulfide with molybdenum sulfide for bifunctional Water Splitting	Dec. 4 (Mon.)
287	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-148	Hojun Yi	Pukyong National University	Effective passivation in perovskite solar cell efficiency with amine-based additive small molecular	Dec. 4 (Mon.)
288	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-149	Umadevi Palanivel	Songang University	Ab Initio molecular dynamics study of polaron formation on CsPbBr3 perovskites	Dec. 4 (Mon.)
289	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-154	JEEHYUN JEONG	Seoul National University	Enhanced Thermoelectric Performance of PEDOT:PSS Thin Film by Sequential Multi-Staged Post Treatments	Dec. 4 (Mon.)
290	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-159	Ranjith Balu	Kumoh national institute of technology	The multilayer interconnected architecture of Cu2WS4@MXene@rGO nanocomposite for an advanced cathode for rechargeable Zn-air battery	Dec. 4 (Mon.)
291	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-175	Furqan Hassan Naqvi	Hallym University	Structural disorder in mixed hybrid lead halide perovskites: Investigating anionic and cationic alterations	Dec. 4 (Mon.)
292	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-179	Debabrata chanda	Kumoh National Institute of Technology	Advancements in PEM Water Electrolysis: Tailoring 1T'-WS2 Nanosheets and Ti3C2 MXene for Enhanced Hydrogen Evolution	Dec. 4 (Mon.)
293	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-182	MAHENDRA GODDATI	Chungnam National University, Daejeon, Korea	Rugged forest morphology of magnetoplasmonic nanorods for photoelectrochemical water splitting	Dec. 4 (Mon.)
294	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-212	Young Rang Uhm	Korea Atomic Energy Research Institute	Synthesis and Mössbauer spectroscopy for 57Fe-N-C electrocatalysts	Dec. 4 (Mon.)
295	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-223	Seongju Park	Korea Advanced Institute of Science and Technology (KAIST)	Enhanced performance of Sn-Pb perovskite solar cells by isopropanol-based bathocuproine spin coating	Dec. 4 (Mon.)
296	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-245	Hyojin Kim	Chungnam National University	A comparative study of cupric oxide thin film and nanorod photocathodes for photoelectrochemical water splitting	Dec. 4 (Mon.)
297	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-247	Yoomi Ahn	Pukyong university	Application of crown ether as a buffer layer in perovskite solar cells	Dec. 4 (Mon.)

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298	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-267	Tae Jung Kim	Kyung Hee University	Characterizing the Dielectric Function of SnS on the ab-Plane through Parameterization	Dec. 4 (Mon.)
299	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-276	Hyeon Ho Kim	Korea University	Colloidal amorphous structures for colorful cooling paint	Dec. 4 (Mon.)
300	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-277	Leonid Kulik	Voevodsky Institute of Chemical Kinetics and Combustion of Siberian Branch of Russian	Influence of fluorinated multi-walled carbon nanotubes on the morphology and efficiency of organic solar cells	Dec. 4 (Mon.)
301	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-297	Won Seok Yun	DGIST	Thermoelectric performance of TaRuPn (Pn = As, Sb, Bi) half-Heusler compounds	Dec. 4 (Mon.)
302	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-306	Soyul Kwak	Korea University	Enhancing Ion Conducting Pathways via Holography for Forerunner of Post Lithium-ion Batteries	Dec. 4 (Mon.)
303	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-337	Seulki Kim	Gyeongsang National University	Characteristics of the Silicon-Based Anode Material for Lithium-Ion Battery Application	Dec. 4 (Mon.)
304	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-376	ASIF ULLAH	University of Ulsan	Anomalous Nernst Effect in Mn3Sn-based Heterostructures	Dec. 4 (Mon.)
305	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-498	Changhee Cho	Gachon University	Enhancement of photocatalytic activity by kirigami-patterned photopiezo catalysts	Dec. 4 (Mon.)
306	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-666	Hanseul Lee	Korea Institute of Science and Technology	Unraveling the significance of the surface state of NiOx and its impact on perovskite solar cells	Dec. 4 (Mon.)
307	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-864	Zahra Bayhan	Princess Nourah Bint Abdul Rahman University	A Laser-Induced Mo2CTx MXene Hybrid Anode for High-Performance Li-Ion Batteries	Dec. 4 (Mon.)
308	Energy Materials and Devices (solar, battery, and thermoelectrics)	MON-EN23-865	Jongdeok Kim	Konkuk University	Computational Design of Calcium-Decorated Polygonal Carbon Nanosheets for Hydrogen Storage	Dec. 4 (Mon.)
309	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-059	Sang Jun Park	Korea National University of Transportation	Hakite: Solid-State Synthesis and Thermoelectric Performance	Dec. 5 (Tue.)
310	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-083	Ha Kyung Park	Ewha Womans University	Non-radiative Recombination Through the Flexible CZTSSe Solar Cells	Dec. 5 (Tue.)
311	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-117	Geumha Lim	Ewha Womans University	Interface carrier transport in Cd-free Cu(In,Ga)Se2 solar cells	Dec. 5 (Tue.)
312	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-187	Birhanu Bayissa Gicha	Chungnam National University	Non-thermal plasma assisted fabrication of ultrathin NiCoOx nanosheets for high-performance supercapacitor	Dec. 5 (Tue.)
313	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-377	Jaegwan Jung	Korea Advanced Institute of Science and Technology	First-principles study on intrinsic n-type nature of InAs bulk crystal	Dec. 5 (Tue.)
314	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-383	Muhammad Mahmood Nawaz	Sogang University	In-situ lattice distortion in photoexcited perovskite-oxides during photocatalytic conditions by coherent diffraction imaging	Dec. 5 (Tue.)
315	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-389	Ok Sung Jeon	Seoul National University	Hygroscopic dough-type Zn-air battery capable of dry operation with high power density	Dec. 5 (Tue.)
316	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-418	dongpyo hong	Advanced Institute of Convergence Technology	Hierarchical Reduced Graphene Oxide Film as an Efficient Large-Area Solar Thermal Absorber	Dec. 5 (Tue.)
317	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-420	Taegon Jeon	Pukyong National University	Effects of Anion disorder on Structure and Dynamics of Argyrodite Li6PS5Cl Solid Electrolyte	Dec. 5 (Tue.)
318	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-464	Yejin kim	Ewha Womans university	Study of Passivation Effects in Hybrid Perovskite Modules Following Laser Scribing Through Optical Spectroscopy	Dec. 5 (Tue.)
319	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-468	Young Pyo Jeon	Advanced Institute of Convergence Technology	Sustainable eco-friendly sub-micron NaCl crystal powder-assisted method to synthesize SiOx/C as anode materials originated from rice husk for lithium-ion batteries	Dec. 5 (Tue.)
320	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-481	Woo-Jung Lee	Electronics and Telecommunications Research Institute	Defect Curing Mechanism in Cu(In,Ga)Se2 Thin-Film Solar Cells Depending on Post-Deposition Treatment Materials	Dec. 5 (Tue.)
321	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-489	Jihyun Kim	Ewha Womans University	Fermi Level Tunning of α-FAPbI3 Perovskite via Interface Engineering for Highly Efficient Perovskite Solar Cells	Dec. 5 (Tue.)
322	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-502	Pesi Hangoma	Pukyong National University	Mild Post-Synthesis Treatment of Perovskite Nanocrystals with Inorganic Salts for Highly Efficient Green LEDs	Dec. 5 (Tue.)
323	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-545	Kayoung Cho	Ewha Womans University	Spectroscopic Approaches Toward Excitons and Charge-Carriers Dynamics in Optronic Materials	Dec. 5 (Tue.)
324	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-555	Hyunjin Joh	Gwangju Institute of Science and Technology	Electrical alignment of Single-Walled CNTs in polymer matrix toward high thermoelectric performances	Dec. 5 (Tue.)
325	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-560	Anshika Binjrajka	Ewha Womans University	Thermally evaporated wide bandgap inorganic perovskite solar cell	Dec. 5 (Tue.)
326	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-575	Yoon Hee Jang	Korea Institute of Science and Technology (KIST)	Interface engineering of PTAA/perovskite for efficient and stable inverted perovskite solar cells	Dec. 5 (Tue.)
327	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-584	nguyen bich phuong	New and Renewable Energy Research Center (NREC),Ewha Womans University, Seou 03760(	Effects of multiple cation mixtures on improvement of charge carrier dynamics in 2D-3D mixed lead halide perovskite	Dec. 5 (Tue.)
328	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-585	UiJoon Lee	Korea Institute of Science and Technology (KIST)	Advanced atomic layer deposition-based NiOx hole-transport layer in p-i-n perovskite aolar cells	Dec. 5 (Tue.)
329	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-593	MISEON KIM	Dongguk University	Improved thermoelectric performance of single-walled carbon nanotube sheet by attachment of gold nanoparticles	Dec. 5 (Tue.)
330	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-662	Sohyeon Hong	Sookmyung Women's University	Interface engineering of TMDs and CoP heterostructure on carbon cloth for efficient hydrogen evolution reaction	Dec. 5 (Tue.)

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331	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-673	Hanseul Lee	Korea Institute of Science and Technology	Improving open circuit voltage and stability using IZO top electrode in perovskite solar cells for tandem application	Dec. 5 (Tue.)
332	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-675	Hanik Kim	Seoul National University	Flexible Gallium Nitride micro-structure solar cell arrays grown on graphene	Dec. 5 (Tue.)
333	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-685	Ruth Stephanie	Chung-Ang University	Multi-metal Prussian blue analogue@rGO for 2D MXene-based hybrid supercapacitor	Dec. 5 (Tue.)
334	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-711	Hochan Hyun	Korea Institute of Science and Technology	Perovskite Solar Paint with Crystal Redissolution Method	Dec. 5 (Tue.)
335	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-781	Vishal Natraj	Jeju National University	Exploring the energy harnessing properties of BiOCl/PDMS based composite films	Dec. 5 (Tue.)
336	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-787	Vignesh Krishnan	Jeju National University	Biowaste-derived oxygen-rich hierarchical porous carbon for symmetric supercapacitor application	Dec. 5 (Tue.)
337	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-788	MOHAMED SADIQ MOHAMED SALEEM	JEJU NATIONAL UNIVERSITY	Hydrothermally Prepared Vanadium Oxide/Carbon Nanocomposite-Based Nanostructures as High-Performance Supercapacitor Electrode	Dec. 5 (Tue.)
338	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-791	Hy-Won Seo	Jeju National University	Investigation of Photocatalytic Properties of Nitrogen-Doped Titanium Oxide Films	Dec. 5 (Tue.)
339	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-792	Yun-Hae Shim	Chungnam National University	Study of the behavior of photoelectrochemical water splitting characteristics of InGaN nanorods by regulating the electrolyte type and concentration	Dec. 5 (Tue.)
340	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-799	Rajavarman Swaminathan	Jeju National University	Advancing Sustainable Transport: Tungsten Trioxide-Based High-Performance Supercapacitors for Efficient Regenerative Braking Energy Capturing in EVs	Dec. 5 (Tue.)
341	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-803	SEOYEON KO	Ewha Womans University	Raman spectroscopy study and first principles of Temperature-dependent phonon in NASICONs	Dec. 5 (Tue.)
342	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-807	Do Kyung Lee	Daegu Catholic University	Plasma electrolytic oxidation of titanium in the europium-containing silicate electrolyte for Li-ion battery application	Dec. 5 (Tue.)
343	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-809	Yunae Cho	Korea Institute of Energy Research	Study of optimal metalization process for high efficient n-TOPCon silicon solar cells	Dec. 5 (Tue.)
344	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-832	Seoyong Shin	Myongji University	Dynamics of Energy-Efficient Daylighting: Optimizing Louver Systems for Office Environments	Dec. 5 (Tue.)
345	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-848	Zahra Bayhan	Princess Nourah Bint Abdul Rahman University	Two-Dimensional Nanomaterials for Battery Applications	Dec. 5 (Tue.)
346	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-856	Seungwoo Han	Korea Institute of Machinery and Materials	Mechanical Properties Characterization of Thermoelectric Materials for Enhanced Reliability of Thermoelectric Devices	Dec. 5 (Tue.)
347	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-857	KyeongJun Lee	Chung-Ang University	Ir 5d orbital selective observation in IrO2 epitaxial thin films using Ir L3 edge resonant inelastic x-ray scattering	Dec. 5 (Tue.)
348	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-860	JUNMEI LUO	Pusan National University	Surface Modification of La0.6Sr0.4Co0.2Fe0.8O3-δ Cathode through Pr6O11 Infiltration for Performance Enhancement on Electrolyte-Supported Solid Oxide Fuel Cells	Dec. 5 (Tue.)
349	Energy Materials and Devices (solar, battery, and thermoelectrics)	TUE-EN23-873	Heejun Lee	Gyeongsang National University	Enhancing electrical conductivity of polycrystalline Ta2O5 by thermal annealing	Dec. 5 (Tue.)
350	Photonics, Plasmonics, and Metamaterials	THU-PM23-009	Hyun Kyoung Yang	Pukyong National University	White luminescent microsphere calcium tungstate synthesized via co-precipitation at room temperature applied UV-LED	Dec. 7 (Thu.)
351	Photonics, Plasmonics, and Metamaterials	THU-PM23-113	Jiwan Kim	Kunsan National University	Origin of ultrafast lattice contraction peak in ferromagnets investigated by modified spectroscopic Sagnac interferometer	Dec. 7 (Thu.)
352	Photonics, Plasmonics, and Metamaterials	THU-PM23-185	Yungok Ihm	Pohang University of Science and Technology	Nonadiabatic quantum molecular dynamics study on the ultrashort laser-driven disordering of germanium	Dec. 7 (Thu.)
353	Photonics, Plasmonics, and Metamaterials	THU-PM23-188	JUNSANG CHO	Sogang University	Anomalous behavior in dark-bright splitting and its impact on the biexciton binding energy in (BA)2(MA)n-1PbnBr3n+1 (n = 1–3)	Dec. 7 (Thu.)
354	Photonics, Plasmonics, and Metamaterials	THU-PM23-189	Huu-Quang Nguyen	Chungnam National University	Magnetic field-induced self-assembly of nanowires in titania aerogel	Dec. 7 (Thu.)
355	Photonics, Plasmonics, and Metamaterials	THU-PM23-198	Jaeseung Im	Incheon National University	Phase shifting lateral scanning white light interferometry	Dec. 7 (Thu.)
356	Photonics, Plasmonics, and Metamaterials	THU-PM23-211	BOKA FIKADU BANTI	Chungnam National University	Combined Experimental and Electronic Structure of The Optical Bandgaps of FeSe	Dec. 7 (Thu.)
357	Photonics, Plasmonics, and Metamaterials	THU-PM23-222	Jeongbin Cho	Sogang University	Impact of the Hexagonal Phase on Multiphoton-Absorption Properties of Mixed-Cation Halide Perovskite: FA0.8MA0.2PbI3	Dec. 7 (Thu.)
358	Photonics, Plasmonics, and Metamaterials	THU-PM23-227	Shin Seunghan	Sogang University	Hyper Raman scattering in two-dimensional halide perovskite (C6H5C2H4NH3)2PbI4 under resonant two-photon excitation	Dec. 7 (Thu.)
359	Photonics, Plasmonics, and Metamaterials	THU-PM23-235	Kyeong-Hyeon Lee	Sogang University	Impact of quantum confinement on second harmonic generation in Ge-based 2D Ruddlesden-Popper perovskite series	Dec. 7 (Thu.)
360	Photonics, Plasmonics, and Metamaterials	THU-PM23-266	Young Dong Kim	Kyung Hee University	Fabrication and investigation of optical properties of mCBP-CN thin films	Dec. 7 (Thu.)
361	Photonics, Plasmonics, and Metamaterials	THU-PM23-278	RHO KYUNG HUN	KOREA University	Confined Assembly of Au Colloids and DNA for Microfluidic System-based Droplet	Dec. 7 (Thu.)
362	Photonics, Plasmonics, and Metamaterials	THU-PM23-295	Yongjun Lim	Korea University	Diffractive optical elements reaching the upper limits of diffraction efficiency at full visible regime	Dec. 7 (Thu.)
363	Photonics, Plasmonics, and Metamaterials	THU-PM23-304	Lemma Teshome Tufa	Chungnam National University	Tuning Core-shell Nanoparticles Interfacial Engineering for Plasmon-Enhanced Energy Conversion Performance	Dec. 7 (Thu.)

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#	Session	Presentation Code	Presenter's Name	Presenter's Affiliation	Title	Presentation Date
364	Photonics, Plasmonics, and Metamaterials	THU-PM23-311	Donghee Park	Chungbuk National University	Developing a Miniature Attenuated Total Reflectance Fluorescence Microscope Using 3D Printing	Dec. 7 (Thu.)
365	Photonics, Plasmonics, and Metamaterials	THU-PM23-312	BinChan Joo	Chungbuk National University	Visualization of mode coupling spatial regime in two-dimensional Ag nanodisk arrays covered with J-aggregates	Dec. 7 (Thu.)
366	Photonics, Plasmonics, and Metamaterials	THU-PM23-313	Sangmin Ji	Sungkyunkwan University	Home-built Scattering Type Near-field Scanning Optical Microscope for Nano Imaging and Spectroscopy	Dec. 7 (Thu.)
367	Photonics, Plasmonics, and Metamaterials	THU-PM23-329	GAYEONG OH	Kongju National University	Controlable Merging BIC in the Photonic Crystal Slab	Dec. 7 (Thu.)
368	Photonics, Plasmonics, and Metamaterials	THU-PM23-352	My-Chi Nguyen	Chungnam National University	Lanthanide photoluminescence enhanced by magnetoplasmonic nanoparticles for copper ion sensing	Dec. 7 (Thu.)
369	Photonics, Plasmonics, and Metamaterials	THU-PM23-413	Geunyeol Gwon	Chungbuk national university	Real-time monitoring of molecules in aqueous solution using a surface enhanced Raman spectroscopy on nanochannels	Dec. 7 (Thu.)
370	Photonics, Plasmonics, and Metamaterials	THU-PM23-415	Daseul Jeong	Chungbuk National University	Mid Infrared molecular sensing using localized surface plasmon resonance in Si nanowire	Dec. 7 (Thu.)
371	Photonics, Plasmonics, and Metamaterials	THU-PM23-432	Yung Kim	Korea Advanced Institute of Science and Technology	Exceptional topological phase transition in complex momentum space	Dec. 7 (Thu.)
372	Photonics, Plasmonics, and Metamaterials	THU-PM23-436	Donghak Oh	Korea Advanced Institute of Science and Technology	Ultrafast topological phase switching of non-Hermitian photonic system	Dec. 7 (Thu.)
373	Photonics, Plasmonics, and Metamaterials	THU-PM23-452	Sungwook Choi	Sogang university	Identification and strain distribution of chiral nanoparticles by Bragg coherent X-ray diffraction imaging	Dec. 7 (Thu.)
374	Photonics, Plasmonics, and Metamaterials	THU-PM23-546	KYOUNGSUB YOON	Seoul National University	Global B1+ field homogenization in 7T whole brain MRI using metasurface	Dec. 7 (Thu.)
375	Photonics, Plasmonics, and Metamaterials	THU-PM23-581	Jiwan Kim	Kunsan National University	Inequality between magneto-optical Kerr rotation and ellipticity in ferromagnets: The ultrafast spectroscopic study on magnons	Dec. 7 (Thu.)
376	Photonics, Plasmonics, and Metamaterials	THU-PM23-632	Jongsu Kim	Pukyong National University	Color-tunable Electrochromic Device based on Fabry-Perot Cavity	Dec. 7 (Thu.)
377	Photonics, Plasmonics, and Metamaterials	THU-PM23-634	Jongsu Kim	Pukyong National University	UVC photoluminescence from Ca2SiO4:Pr3+ phosphor powder and its excimer application	Dec. 7 (Thu.)
378	Photonics, Plasmonics, and Metamaterials	THU-PM23-660	Jongsu Kim	Pukyong National University	Optical and electrical properties of (α-β)-phase Zn2SiO4:Mn2+ electroluminescence in silicon-photonic device	Dec. 7 (Thu.)
379	Photonics, Plasmonics, and Metamaterials	THU-PM23-834	Daegwang Choi	Korea University	Unidirectional guided mode in double layered gratings using 2D materials	Dec. 7 (Thu.)
380	Photonics, Plasmonics, and Metamaterials	FRI-PM23-015	Hyun Kyoung Yang	Pukyong National University	Luminescence properties of (Sr,Ba)3TeO6:Eu3+ phosphors for w-LEDs	Dec. 8 (Fri.)
381	Photonics, Plasmonics, and Metamaterials	FRI-PM23-114	Jiwan Kim	Kunsan National University	Determining piezo-optic coefficients of metals using a modified ellipsometry	Dec. 8 (Fri.)
382	Photonics, Plasmonics, and Metamaterials	FRI-PM23-496	MK Muhammad Sujak	Chungbuk National University	The role of Mie-like resonance in periodic metamaterial lattice mode	Dec. 8 (Fri.)
383	Photonics, Plasmonics, and Metamaterials	FRI-PM23-505	Taejin Lee	DGIST	Manipulating Rashba Excitons in Ferroelectric Two-Dimensional Perovskites	Dec. 8 (Fri.)
384	Photonics, Plasmonics, and Metamaterials	FRI-PM23-548	Hyeongi Park	University of Ulsan	Non-dispersive Tunable Terahertz Beam splitter with Graphene Metasurfaces	Dec. 8 (Fri.)
385	Photonics, Plasmonics, and Metamaterials	FRI-PM23-549	Hyunwoo Park	University of Ulsan	Non-Hermitian Metasurfaces for Ultrasensitive Sensing of Conductive Bio-Molecules	Dec. 8 (Fri.)
386	Photonics, Plasmonics, and Metamaterials	FRI-PM23-550	Jae-Eon Shim	University of Ulsan	Spectroscopic visualization of lattice induced resonance dispersion in two-dimensional metallic/dielectric arrayed structure by using Fourier plane measurement	Dec. 8 (Fri.)
387	Photonics, Plasmonics, and Metamaterials	FRI-PM23-552	Young-Bin Kim	Kyung Hee University	Metalens integrated micro light emitting diodes with single-unit arrangement design	Dec. 8 (Fri.)
388	Photonics, Plasmonics, and Metamaterials	FRI-PM23-562	Sihyung Kang	Sogang university	Second harmonic generation properties of A4Nb2-2xTa2xS11 (A = Cs, Rb) with exceptional laser-induced damage thresholds	Dec. 8 (Fri.)
389	Photonics, Plasmonics, and Metamaterials	FRI-PM23-570	Do Wan Kim	Dongguk University	Type-dependent hot carrier behavior in photoelectrochemical reduction and oxidation of Au/GaN junction photoelectrodes	Dec. 8 (Fri.)
390	Photonics, Plasmonics, and Metamaterials	FRI-PM23-574	Serang Jung	KyungHee University	Designing infrared anti-reflective coatings through PSO-binary machine learning	Dec. 8 (Fri.)
391	Photonics, Plasmonics, and Metamaterials	FRI-PM23-589	Jiwan Kim	Kunsan National University	Instrumentation for photo-induced change in refractive index of metal film: the ultrafast pump-probe ellipsometer	Dec. 8 (Fri.)
392	Photonics, Plasmonics, and Metamaterials	FRI-PM23-595	Jemin Kim	Korea Electronic Technology Institute	Simulation and verification on junction temperature and thermal resistance of LED packages	Dec. 8 (Fri.)
393	Photonics, Plasmonics, and Metamaterials	FRI-PM23-603	Yu Jaeseon	Kyunghee university	Machine learning enabled broadband antireflective multilayers for thermography.	Dec. 8 (Fri.)
394	Photonics, Plasmonics, and Metamaterials	FRI-PM23-610	Kyu-Ri Choi	Chungbuk National University	Super-resolution localization microscopy with metamaterial-assisted fluorescence	Dec. 8 (Fri.)
395	Photonics, Plasmonics, and Metamaterials	FRI-PM23-614	Jinwoo Jung	DGIST	Hexagonal boron nitride encapsulation passivates defects of 2D materials	Dec. 8 (Fri.)
396	Photonics, Plasmonics, and Metamaterials	FRI-PM23-629	Jongsu Kim	Pukyong National University	NIR electroluminescence from Cr3+-doped Ga2O3 oxide based on magneto-photo-current effects	Dec. 8 (Fri.)

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397	Photonics, Plasmonics, and Metamaterials	FRI-PM23-630	Jongsu Kim	Pukyong National University	Yellow thin-film electroluminescence from CaSiO3:Mn2+ oxide layer in a metal-oxide-semiconductor structure	Dec. 8 (Fri.)
398	Photonics, Plasmonics, and Metamaterials	FRI-PM23-635	Jongsu Kim	Pukyong National University	UVC emission from Y2SiO5:Pr3+ phosphor film in xenon excimer lamp	Dec. 8 (Fri.)
399	Photonics, Plasmonics, and Metamaterials	FRI-PM23-637	Gimin Bae	Daegu Gyeongbuk Institute of Science and Technology	Decoherence path combination in high harmonic generation of monolayer MoS2	Dec. 8 (Fri.)
400	Photonics, Plasmonics, and Metamaterials	FRI-PM23-667	Jaehyun Lee	UNIST	Chirality-Dependent Circular Photovoltaic effect in Tellurium Nanowires	Dec. 8 (Fri.)
401	Photonics, Plasmonics, and Metamaterials	FRI-PM23-676	Satyabrat Behera	UNIST	Electrical Modulation of Quantum Emitters of Monolayer WSe2 on Nanopyramid Array	Dec. 8 (Fri.)
402	Photonics, Plasmonics, and Metamaterials	FRI-PM23-691	Jaeyu Kim	Korea Advanced Institute of Science and Technology	Photo-thermal control of individual magnetic skyrmions	Dec. 8 (Fri.)
403	Photonics, Plasmonics, and Metamaterials	FRI-PM23-718	HYEON HWANG	Korea Advanced Institute of Science Technology	Hyperband Electro-Optic modulator based on two-pulley coupled lithium niobate micro-resonator	Dec. 8 (Fri.)
404	Photonics, Plasmonics, and Metamaterials	FRI-PM23-760	Gayoung Lee	Ewha Womans University	Approaches to Attaining Reliable and Low-Threshold Amplified Spontaneous Emission in Thin Layers of Halide Perovskite	Dec. 8 (Fri.)
405	Photonics, Plasmonics, and Metamaterials	FRI-PM23-795	Gangseon Ji	Ulsan National Institute of Science & Technology	Low-voltage terahertz quantum tunneling in nanometric tunnel junctions	Dec. 8 (Fri.)
406	Photonics, Plasmonics, and Metamaterials	FRI-PM23-800	Seonhye Eom	Ulsan National Institute of Science & Technology	Vertically oriented ferroelectric Hf0.5Zr0.5O2 thin film embedded in metal nanogaps	Dec. 8 (Fri.)
407	Photonics, Plasmonics, and Metamaterials	FRI-PM23-833	Daegwang Choi	Korea University	Strong light-matter interaction in antiferromagnet NiPS3 grating structure	Dec. 8 (Fri.)
408	Spintronics and Magnetic Materials	MON-SM23-019	Fabrizio Cossu	Kangwon National University	Manganite superlattices as a viable way for spintronics: predictions from (111)-oriented superlattices	Dec. 4 (Mon.)
409	Spintronics and Magnetic Materials	MON-SM23-028	Dasom Choi	Ewha Womans University	Lanthanide double-decker complexes as on-surface quantum nanomagnets	Dec. 4 (Mon.)
410	Spintronics and Magnetic Materials	MON-SM23-053	Chau Bui	Ewha Womans University	Probing picoelectronvolt avoided level crossing in a single atom with deterministic nuclear spin states	Dec. 4 (Mon.)
411	Spintronics and Magnetic Materials	MON-SM23-077	Hong-Guang Piao	Yanbian University	Effect of annealing on the antiferromagnetic property of CoFeB/Gd/CoFeB Trilayer	Dec. 4 (Mon.)
412	Spintronics and Magnetic Materials	MON-SM23-115	Jiwan Kim	Kunsan National University	Determining the spin wave exchange constant of Co thin film using canted high-order exchange magnons generated by femtosecond laser pulses	Dec. 4 (Mon.)
413	Spintronics and Magnetic Materials	MON-SM23-135	Hanin Algaidi	King Abdullah University of Science and Technology (KAUST)	Thickness-tunable magnetic and electronic transport properties of the quasi-van der Waals ferromagnet Co0.27TaS2 with disordered intercalation	Dec. 4 (Mon.)
414	Spintronics and Magnetic Materials	MON-SM23-165	Hyun Yu	Pohang university of Science and Technology	Enhancement of anomalous Nernst effect using f orbital localization near Fermi level in CexTb1-xFe2	Dec. 4 (Mon.)
415	Spintronics and Magnetic Materials	MON-SM23-184	Lukas Emanuel Spree	Institute for Basic Science	Robust Monolayers of Endohedral Fullerenes: Towards Highly Ordered Arrays of Single Molecule Magnets and Spin Qubits	Dec. 4 (Mon.)
416	Spintronics and Magnetic Materials	MON-SM23-194	Brahim Marfoua	Puckyong National University	Large anomalous transverse transport properties in atomically thin 2D Fe3GaTe2	Dec. 4 (Mon.)
417	Spintronics and Magnetic Materials	MON-SM23-202	Jinju Pi	University of Ulsan	Magnetic dynamics by exchange bias in the NiFe/IrMn double layers	Dec. 4 (Mon.)
418	Spintronics and Magnetic Materials	MON-SM23-217	Jeongsoo Kang	The Catholic University of Korea	Soft X-ray synchrotron radiation spectroscopy study of Magnetization Reversal in CoCr2-xFexO4 Spinel Oxides	Dec. 4 (Mon.)
419	Spintronics and Magnetic Materials	MON-SM23-238	Siha Lee	University of Ulsan	Spin-orbit torque switching of Mn3Sn with secondly phase	Dec. 4 (Mon.)
420	Spintronics and Magnetic Materials	MON-SM23-246	Hyunkyung Lee	Pusan National University	Controlling spin-flop transition via epitaxial strain in α-Fe2O3 thin films	Dec. 4 (Mon.)
421	Spintronics and Magnetic Materials	MON-SM23-248	KyungHun Ko	Sungkyunkwan University	Optical spin-orbit torque mediated by thermal magnons in NiO	Dec. 4 (Mon.)
422	Spintronics and Magnetic Materials	MON-SM23-249	Dongchan Jeong	University of Ulsan	Ru thickness dependence of spin-orbit torque switching in L10 FePt granular film	Dec. 4 (Mon.)
423	Spintronics and Magnetic Materials	MON-SM23-261	IMRAN KHAN	PUKYONG NATIONAL UNIVERSITY	Optically transparent WSe2/T1-VSe2/WSe2 multilayer heterostructure with room temperature ferromagnetism and large anomalous Nernst conductivity	Dec. 4 (Mon.)
424	Spintronics and Magnetic Materials	MON-SM23-262	Hong-Guang Piao	Yanbian University	Skyrmion annihilator based on squeezing effect of magnetic domain wall	Dec. 4 (Mon.)
425	Spintronics and Magnetic Materials	MON-SM23-265	Hong-Guang Piao	Yanbian University	Magnetic-field-controlled positioning effect of magnetic domain wall in asymmetric nanowire	Dec. 4 (Mon.)
426	Spintronics and Magnetic Materials	MON-SM23-286	Jungmin Park	Korea Advanced Institute of Science and Technology	Magnetic dynamics of Fe5GeTe2 around the commensurate – incommensurate transition	Dec. 4 (Mon.)
427	Spintronics and Magnetic Materials	MON-SM23-314	Gyungchoon Go	Korea Advanced Institute of Science and Technology	Magnon Orbital Hall Effect in Honeycomb Antiferromagnets	Dec. 4 (Mon.)
428	Spintronics and Magnetic Materials	MON-SM23-368	Won-Bin Lee	Korea Advanced Institute of Science and Technology	Ultrafast spin dynamics of non-collinear antiferromagnet Mn3Sn driven by an optical spin-orbit torque	Dec. 4 (Mon.)
429	Spintronics and Magnetic Materials	MON-SM23-384	Sumin Kim	SungKyunGwan University	Composition dependence of spin Hall effect in Pt1-xMnx alloy	Dec. 4 (Mon.)

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430	Spintronics and Magnetic Materials	MON-SM23-393	Huimin Jeong	Korea Research Institute of Standards and Science (KRISS)	Formation of well-aligned magnetic stripe domains in wire-shaped Pd/Co/Pt trilayers	Dec. 4 (Mon.)
431	Spintronics and Magnetic Materials	MON-SM23-398	Myeonghwan Kang	Ulsan National Institute of Science and Technology	Investigating the Reversal Characteristics of the Soft Layer in Synthetic Antiferromagnets	Dec. 4 (Mon.)
432	Spintronics and Magnetic Materials	MON-SM23-399	Hye-Jin Ok	Ulsan National Institute of Science and Technology	Difference of Spin Seebeck Voltage in Poly-crystalline Bulk-Y3Fe5O12 According to Different Annealing Process	Dec. 4 (Mon.)
433	Spintronics and Magnetic Materials	MON-SM23-400	Suyeong Jeong	Ulsan National Institute of Science and Technology	Geometry-controlled skyrmion bag dynamics for multi-bit logic gates	Dec. 4 (Mon.)
434	Spintronics and Magnetic Materials	MON-SM23-438	BUMSEOP KIM	Ulsan National Institute of Science and Technology	A better alternative to orbital angular momentum in the description of relativistic spin-lattice interactions	Dec. 4 (Mon.)
435	Spintronics and Magnetic Materials	MON-SM23-447	Siwon Oh	Sogang University	Polarized Raman study of low frequency magnons in NiPS3	Dec. 4 (Mon.)
436	Spintronics and Magnetic Materials	MON-SM23-451	Seunghoon Yu	Korea University	The tuning of magnetic anisotropy and interlayer exchange interaction in different magnetic multilayers with metal spacer	Dec. 4 (Mon.)
437	Spintronics and Magnetic Materials	MON-SM23-782	Sonny Rhim	University of Ulsan	Spintronics in Tungsten compounds	Dec. 4 (Mon.)
438	Spintronics and Magnetic Materials	MON-SM23-870	ANABIL GAYEN	Chungbuk National University	Magnetic and magnetocaloric behaviors of a perovskite/hausmannite composite	Dec. 4 (Mon.)
439	Spintronics and Magnetic Materials	MON-SM23-875	Sanghoon Kim	University of Ulsan	Memristive behavior of L10-FePt based granular film for realizing the Neural network	Dec. 4 (Mon.)
440	Spintronics and Magnetic Materials	TUE-SM23-116	Jiwan Kim	Kunsan National University	Gilbert damping value of Y3Fe5O12(30 nm)/GGG(111) measured by ultrafast pump-probe technique	Dec. 5 (Tue.)
441	Spintronics and Magnetic Materials	TUE-SM23-264	Hong-Guang Piao	Yanbian University	Voltage controlled skyrmion transport controller	Dec. 5 (Tue.)
442	Spintronics and Magnetic Materials	TUE-SM23-454	Jongdo Kim	University of Ulsan	Field-free spin-orbit torque switching of [Ni/Co]6 multilayer with broken symmetry induced by He+ ion irradiation	Dec. 5 (Tue.)
443	Spintronics and Magnetic Materials	TUE-SM23-458	Jin Qiu	Ewha Womans University	Raman Investigation into the Spin-Lattice Excitations of the Layered Antiferromagnets MPSe3 (M=Fe, Mn)	Dec. 5 (Tue.)
444	Spintronics and Magnetic Materials	TUE-SM23-497	QOIMATUL MUSTAGHFIROH	Chungbuk National University	2D Ising-like magnetization behavior of ferromagnetic CoFeB/Pd film	Dec. 5 (Tue.)
445	Spintronics and Magnetic Materials	TUE-SM23-506	Jinhyeok Park	Korea University	A study of the change in the magnetic anisotropy depending on deposition and annealing conditions of Pt/Co/HfO thin films	Dec. 5 (Tue.)
446	Spintronics and Magnetic Materials	TUE-SM23-559	Sang-Eon Park	Pusan National University	Single crystal growth of intermetallic Kagome using Czochralski method	Dec. 5 (Tue.)
447	Spintronics and Magnetic Materials	TUE-SM23-597	Seong Tae Kim	Chonnam National University	Asymmetric anisotropic magnetoresistance in perpendicularly magnetized films	Dec. 5 (Tue.)
448	Spintronics and Magnetic Materials	TUE-SM23-608	Fathiya Rahmani	Chungbuk National University	Observation of Spin Seebeck effect in ferrimagnetic yttrium iron garnet (YIG)	Dec. 5 (Tue.)
449	Spintronics and Magnetic Materials	TUE-SM23-616	Jae-Hun Sim	Chonnam National University	Temperature-dependent magnetic skyrmion bubble motion	Dec. 5 (Tue.)
450	Spintronics and Magnetic Materials	TUE-SM23-619	Inhyeok Choi	Gwangju institute of science and technology	Strong spin-phonon coupling in altermagnetic RuO2 thin films on TiO2 (110)	Dec. 5 (Tue.)
451	Spintronics and Magnetic Materials	TUE-SM23-627	jihye yang	Jeju University	Microwave magnetic near field imaging by thermochromic optical indicator microscopy	Dec. 5 (Tue.)
452	Spintronics and Magnetic Materials	TUE-SM23-633	Kunihiro Yananose	Korea Institute for Advanced Study	Revisit of multiferroic perovskite metal-organic frameworks [C(NH2)3]M(HCOO)3 (M = Cr, Cu) by first-principles calculations	Dec. 5 (Tue.)
453	Spintronics and Magnetic Materials	TUE-SM23-638	Woonjae Won	Korea Advanced Institute of Science and Technology	Anisotropic Magnetoresistance of FeRh across the Magnetic Phase Transition	Dec. 5 (Tue.)
454	Spintronics and Magnetic Materials	TUE-SM23-639	Keun-Hong Min	Sejong University	Twist-angle controlled all van der Waals spin-valve operations	Dec. 5 (Tue.)
455	Spintronics and Magnetic Materials	TUE-SM23-678	Soyoung Shin	Korea Advanced Institute of Science and Technology	Orbital Hall torques and magnetization switching of perpendicular magnetization	Dec. 5 (Tue.)
456	Spintronics and Magnetic Materials	TUE-SM23-694	Ruli Fardiman	Chungbuk National University	Phase flip in folded-phonon oscillations of SrRuO3-SrTiO3 superlattices	Dec. 5 (Tue.)
457	Spintronics and Magnetic Materials	TUE-SM23-702	Jung Yun Kee	Korea Institute of Science and Technology	Magnetic proximity coupling of Pt with GdFeCo ferrimagnetic metal	Dec. 5 (Tue.)
458	Spintronics and Magnetic Materials	TUE-SM23-705	Changhoon Lee	Pohang University of Science and Technology	Investigation of multiferroicity and magnetic behavior for Cu2MSiS4 (M=Mn and Fe) : DFT approach.	Dec. 5 (Tue.)
459	Spintronics and Magnetic Materials	TUE-SM23-727	Gyehyeon Kim	Ulsan National Institute of Science and Technology	Strain-dependent Néel temperature in Cobalt-based honeycomb oxide A3Co2SbO6 (A = Na, Co)	Dec. 5 (Tue.)
460	Spintronics and Magnetic Materials	TUE-SM23-737	Joonyoung Choi	Kyungpook National University	Enlargement of anomalous Hall conductivity in Fe-doped CoS2	Dec. 5 (Tue.)
461	Spintronics and Magnetic Materials	TUE-SM23-738	Daekyu Koh	Korea Advanced Institute of Science and Technology	Fast field-free spin-orbit torque switching in magnetic multilayer	Dec. 5 (Tue.)
462	Spintronics and Magnetic Materials	TUE-SM23-742	Takayuki Shiino	Korea Advanced Institute of Science and Technology	Electric modulation of magnon spin transport in yttrium iron garnet thin films	Dec. 5 (Tue.)

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#	Session	Presentation Code	Presenter's Name	Presenter's Affiliation	Title	Presentation Date
463	Spintronics and Magnetic Materials	TUE-SM23-743	Seungyun Han	Pohang university of science and technology	Orbital dynamics and transport without spin counterpart	Dec. 5 (Tue.)
464	Spintronics and Magnetic Materials	TUE-SM23-744	Mingu Kim	Korea University	Tunable spin-orbit torque in Cu based heterostructures by HfO2 gating	Dec. 5 (Tue.)
465	Spintronics and Magnetic Materials	TUE-SM23-746	DongHyeon Han	Korea Advanced Institute of Science and Technology	Generation of Probabilistic Bits by Exploiting Spin-Orbit Torque Switching in Magnetic Trilayer	Dec. 5 (Tue.)
466	Spintronics and Magnetic Materials	TUE-SM23-749	Chanhyuk Park	Korea Institute of Science and Technology (KIST)	Magnetoelectric Effect in van der Waals Ferromagnetic/Ferroelectric Heterostructures	Dec. 5 (Tue.)
467	Spintronics and Magnetic Materials	TUE-SM23-758	ChangJin Yun	Korea University	Understanding Effective Fields in Pt/Co Multilayer Structures using 2nd Harmonic Measurements under Varying Pt thin film property	Dec. 5 (Tue.)
468	Spintronics and Magnetic Materials	TUE-SM23-761	Nga T. Do	Ewha Womans University	Magnetic Structural Analysis of IrMn3Co via Magnetic Spin Hall Effect	Dec. 5 (Tue.)
469	Spintronics and Magnetic Materials	TUE-SM23-813	NYUNJONG LEE	University of Ulsan	Evolution of magnetic domain according to temperature and magnetic field in 2D-vdW Fe5GeTe2	Dec. 5 (Tue.)
470	Spintronics and Magnetic Materials	TUE-SM23-876	Sanghoon Kim	University of Ulsan	In-plane anisotropy of magnetic damping in epitaxial Cr/Fe bilayer	Dec. 5 (Tue.)
471	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-030	Minho Chae	Korea Advanced Institute of Science and Technology	Sub-nL droplet-based isothermal titration calorimetry with a microfluidic chip calorimeter	Dec. 7 (Thu.)
472	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-057	Hyeong-Tark Han	POSTECH	Nonequilibrium diffusion of active particle bound to a semi-flexible polymer networks	Dec. 7 (Thu.)
473	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-092	sun son	Gumi Electronics& Information Technology Research Institute	Needleless Syringe Design for Continuous Use for Contactless Medical Use	Dec. 7 (Thu.)
474	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-096	Chansun Park	Korea University	Assessing radiation tolerance of inorganic scintillators using 6 MeV electron beams	Dec. 7 (Thu.)
475	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-279	Minsoo Kim	Sungkyunkwan University	MegaFold: Multi-GPU Implementation of AlphaFold2	Dec. 7 (Thu.)
476	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-290	Seongho Yuk	Sunkyunkwan University	Non-Bonded Fixed Coarse-Grained Forcefield Illuminates Protein Binding & Phase Separations	Dec. 7 (Thu.)
477	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-318	yohan choi	Korea Advanced Institute of Science and Technology	Microparticle migration and focusing in whole blood and diluted whole blood	Dec. 7 (Thu.)
478	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-320	Hyewon Kang	The Korea advanced institute of science and technology	Measurement of temperature changes of nanofluidic TEM chips for high-speed vitrification	Dec. 7 (Thu.)
479	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-321	Mekidelawit Girma Tirfe	Korea Advanced Institute of Science and Technology	Cryo-TEM sample preparation using microfluidic cryofixation and cryo-FIB for time-resolved studies	Dec. 7 (Thu.)
480	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-351	jiwon seo	Korea University	Feasibility of multi-purpose radiation detector using a single crystal detector	Dec. 7 (Thu.)
481	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-357	Langlen Chanu Athokpam	Asia Pacific Center for Theoretical Physics	Thermodynamic bounds in deterministic chemical reaction systems far from equilibrium	Dec. 7 (Thu.)
482	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-386	Jeonghun Yoo	Korea Advanced Institute of Science and Technology	Development of novel nanofluidic time-resolved cryo-EM sample preparation	Dec. 7 (Thu.)
483	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-473	Jaemin Yoo	Sungkyunkwan University	Assessment and Correction of Non-Bonded Interaction Parameters in the Amber ff19SB Force Field Using Experimental Osmotic Pressure Data	Dec. 7 (Thu.)
484	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-477	Sangsu Kim	Korea University	Radiation Tolerance of Lead Halide Perovskite Solar Cells under 6 MeV Electron Beam Irradiation for Medical Applications	Dec. 7 (Thu.)
485	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-523	Jaehong An	Pohang Science and Technology University (POSTECH)	Maximum load on a motor protein	Dec. 7 (Thu.)
486	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-558	Minchae Kang	Pusan National University	Role of Polyamine on Charged-GFP liquid-liquid phase separation in E Coli	Dec. 7 (Thu.)
487	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-567	Donghyeok Kim	Ajou university	A bacterial colony quantification method via multiple speckle illumination	Dec. 7 (Thu.)
488	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-568	JEONGGYO KIM	Ajou University	Numerical simulation of light interactions in the turbid medium via Monte Carlo method	Dec. 7 (Thu.)
489	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-569	Jinmin Lee	Pusan National University	Lipid DNA nanocarriers: membrane interactions and cellular uptake	Dec. 7 (Thu.)
490	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-579	Inyoung Park	Ajou University	A multimodal imaging system for the accurate disease diagnosis	Dec. 7 (Thu.)
491	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-607	Hyeryeong Lee	Pusan National University	Liquid-Liquid Phase Separation of FUS Protein	Dec. 7 (Thu.)
492	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-618	Kyubin Lee	Pusan National University	Spectral Shifts and Crystalline Behavior of BODIPY Derivative, Pyrromethene 546: A Concentration-Dependent Study	Dec. 7 (Thu.)
493	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-620	Jae Yoon Park	Daegu Gyeongbuk Institute of Science and Technology	Implementation of interferometric Diffuse Speckle Contrast Analysis (IDSCA) and Data analysis	Dec. 7 (Thu.)
494	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-664	Seung-won Lee	UNIST	Single Molecule Measurements Reveal Conformational Transitions During DNA Clamp Loading and Unloading	Dec. 7 (Thu.)
495	Medical Physics, Bioelectronics and Biophotonics	THU-BM23-669	Jamin Lee	Seoul National University	ZnO nanotube electrode arrays grown on transparent graphene for neuronal recording and imaging	Dec. 7 (Thu.)

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496	Medical Physics, Bioelectronics and Biophotonics	**THU-BM23-670**	Kyumeen Kang	Seoul National University	ZnO nanotube electrode arrays for recording intracellular signal of HEK293T cells using optogenetic stimulation	Dec. 7 (Thu.)
497	Medical Physics, Bioelectronics and Biophotonics	**THU-BM23-796**	Jae-kyeong Im	Ulsan National Institute of Science and Technology	Detection of antibiotic resistance gene in single bacterium using in situ hybridization chain reaction	Dec. 7 (Thu.)
498	Medical Physics, Bioelectronics and Biophotonics	**THU-BM23-820**	Kwang Heo	Sejong University	Large-scale Fabrication of Colorimetric Cellulose Nanostructures Synthesized by Vapor-phase Self-assembly	Dec. 7 (Thu.)
499	Medical Physics, Bioelectronics and Biophotonics	**THU-BM23-822**	Kwang Heo	Sejong University	Biocompatible and biodegradable triboelectric nanogenerators based on hyaluronic acid hydrogel film	Dec. 7 (Thu.)
500	Quantum Information and Mesoscopic Devices	**FRI-QI23-093**	Park GyuTae	Pusan National University	Degenerated energy states induced by geomatical symmetry in a rectangular quantum dot	Dec. 8 (Fri.)
501	Quantum Information and Mesoscopic Devices	**FRI-QI23-155**	Yongwoong Lee	Korea University	Machine learning-enhanced optical tweezers for defect-free rearrangment	Dec. 8 (Fri.)
502	Quantum Information and Mesoscopic Devices	**FRI-QI23-163**	Seokyeong Lee	Korea Advanced Institute of Science and Technology	Observation of unexpected entropy deviation in mesoscopic double quantum dot	Dec. 8 (Fri.)
503	Quantum Information and Mesoscopic Devices	**FRI-QI23-190**	Wonjin Jang	École Polytechnique Fédérale de Lausanne	Strong photon coupling to hole charge qubit in planar Ge	Dec. 8 (Fri.)
504	Quantum Information and Mesoscopic Devices	**FRI-QI23-214**	Hyunsoo Kim	Ewha Womans University	Studies of polarization-dependent cooling of trapped Yb ions	Dec. 8 (Fri.)
505	Quantum Information and Mesoscopic Devices	**FRI-QI23-216**	Hyein Lee	Ewha Womans University	Optimization for Optical Setup for Trapping Yb171+ in a Blade Trap	Dec. 8 (Fri.)
506	Quantum Information and Mesoscopic Devices	**FRI-QI23-224**	Minyong Lee	Korea Institute of Science and Technology	Displacement measurement on a nonlinear nanomechanical oscillator	Dec. 8 (Fri.)
507	Quantum Information and Mesoscopic Devices	**FRI-QI23-225**	Hyerin Kim	Ewha Womans University	Qubit manipulation of trapped Yb+ ions	Dec. 8 (Fri.)
508	Quantum Information and Mesoscopic Devices	**FRI-QI23-226**	Hyung Beom Kim	Korea Institute of Science and Technology	Noise spectroscopy with shallow nitrogen-vacancy (NV) centers in diamond	Dec. 8 (Fri.)
509	Quantum Information and Mesoscopic Devices	**FRI-QI23-228**	Minyeong Joo	Korea Institute of Science and Technology	Relaxometry using a compact quantum sensing system	Dec. 8 (Fri.)
510	Quantum Information and Mesoscopic Devices	**FRI-QI23-250**	Jieun Yoo	Ewha Womans University	Experimental setup to individually address trapped-ion qubits using multi-channel acoustic optical modulators and diffractive optics	Dec. 8 (Fri.)
511	Quantum Information and Mesoscopic Devices	**FRI-QI23-301**	Younghun Ryu	KAIST	Exploring the Potential of Gate-Tunable All-Metallic Superconducting Microwave Resonator	Dec. 8 (Fri.)
512	Quantum Information and Mesoscopic Devices	**FRI-QI23-332**	Jinhoon Jeong	Korea Research Institute of Standard and Science	Efficient microwave to phonon transduction with a tunable impedance matching circuit	Dec. 8 (Fri.)
513	Quantum Information and Mesoscopic Devices	**FRI-QI23-353**	Seunghyun Jun	Chosun University	Dirac Fermion Waveguide through a Nanowrinkle in Graphene	Dec. 8 (Fri.)
514	Quantum Information and Mesoscopic Devices	**FRI-QI23-366**	Seunghan LEE	POSTECH	Progress in Calibration of Graphene-based Josephson Junction Detector for Dark Matter Search	Dec. 8 (Fri.)
515	Quantum Information and Mesoscopic Devices	**FRI-QI23-394**	Minkyung Jung	DGIST	2D van der Waals magnon-meditated superconducting resonator-resonator coupling	Dec. 8 (Fri.)
516	Quantum Information and Mesoscopic Devices	**FRI-QI23-417**	Jeongeun Park	Gwangju Institute of Science and Technology	Selective Initialization Mechanism of Silicon Vacancy Spin Qubits with S=3/2 in Silicon Carbide	Dec. 8 (Fri.)
517	Quantum Information and Mesoscopic Devices	**FRI-QI23-419**	Curie Lee	Ewha Womans University	Proposal for entanglement detection of single spins on a surface using STM	Dec. 8 (Fri.)
518	Quantum Information and Mesoscopic Devices	**FRI-QI23-493**	MinSeok Jeon	KIST	Detection and control of 13C nuclear spins in diamond	Dec. 8 (Fri.)
519	Quantum Information and Mesoscopic Devices	**FRI-QI23-524**	Seungjae Hwang	Gwangju Institute of Science and Technology	High fidelity readout of silicon vacancy spin qubits in silicon carbide	Dec. 8 (Fri.)
520	Quantum Information and Mesoscopic Devices	**FRI-QI23-730**	MunGyeong Jeong	POSTECH	Tunable cavity optomechanical system for mechanical sensing	Dec. 8 (Fri.)
521	Quantum Information and Mesoscopic Devices	**FRI-QI23-731**	Minwoo Yu	Pohang University of Science and Technology	Piezoelectric platform for phonon-magnon Quantum hybrid	Dec. 8 (Fri.)
522	Quantum Information and Mesoscopic Devices	**FRI-QI23-763**	Du Hyuk Kwon	Chungnam National University	Magneto-Thermovoltage Study for Aharonov-Bohm Oscillations observed in Topological Insulators	Dec. 8 (Fri.)
523	Quantum Information and Mesoscopic Devices	**FRI-QI23-776**	Jaemin Park	Seoul National University	Fabrication of Linear Array Si/SiGe quantum dot spin qubit device and its electric control	Dec. 8 (Fri.)
524	Quantum Information and Mesoscopic Devices	**FRI-QI23-786**	Dongwook Kim	Hangyang University	Optical study of kagome metal Cs(Ti1-xVx)3Sb5	Dec. 8 (Fri.)
525	Quantum Information and Mesoscopic Devices	**FRI-QI23-818**	Minsik Kim	Jeonbuk National University	Energy filtering of single-electron wave packet by potential barrier	Dec. 8 (Fri.)
526	Artificial Intelligence and Applied Computation	**FRI-AC23-084**	Adam Turner	Ateneo de Manila University	3D Printing of Ceramics: Insights and Optimisation with AI	Dec. 8 (Fri.)
527	Artificial Intelligence and Applied Computation	**FRI-AC23-118**	Min Chul Choi	Soongsil University	First-principles study on A-site dependent metastable polar states in perovskite AZrO3	Dec. 8 (Fri.)
528	Artificial Intelligence and Applied Computation	**FRI-AC23-232**	JeongHyeok Cha	Kangwon National University	Simulation of Transverse Field Ising Chain: A Comparative Study Using DMRG and Exact Solution	Dec. 8 (Fri.)

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529	Artificial Intelligence and Applied Computation	**FRI-AC23-256**	Jae Seong Lee	Soongsil University	First-principles study on the anisotropic Dirac dispersions of AZnBi2 (A = Ca, Sr, Ba)	Dec. 8 (Fri.)
530	Artificial Intelligence and Applied Computation	**FRI-AC23-344**	KARUNA KUMARI PILLALA	Soongsil university	Electronic structures and spin-defect states in quasi-one-dimensional MoBr3	Dec. 8 (Fri.)
531	Artificial Intelligence and Applied Computation	**FRI-AC23-414**	Jinseok Oh	Ulsan National Institute of Science & Technology	Ab initio-based understanding of charge density wave phases in TaS2	Dec. 8 (Fri.)
532	Artificial Intelligence and Applied Computation	**FRI-AC23-456**	Uiseok Jeong	Ulsan National Institude of Science and Technology	Spin-charge conversion dynamics: synergic effect of spin-orbit coupling and geometrical chirality	Dec. 8 (Fri.)
533	Artificial Intelligence and Applied Computation	**FRI-AC23-724**	Kyoung-min Kim	Institute for Basic Science	Magnetic Hamiltonian parameter estimation of twisted magnets using deep learning techniques	Dec. 8 (Fri.)
534	Artificial Intelligence and Applied Computation	**FRI-AC23-736**	Hee Young Kwon	Korea Institute of Science and Technology	Searching for the ground state of artificial magnetic quasicrystal using deep learning techniques	Dec. 8 (Fri.)
535	Artificial Intelligence and Applied Computation	**FRI-AC23-756**	shinwon son	Sejong University	Analyzing the electronic structure and thermal behaviors of phase change materials: Cr2Ge2Te6 and Ge2Sb2Te5	Dec. 8 (Fri.)
536	Artificial Intelligence and Applied Computation	**FRI-AC23-773**	YunJae Kim	Sejong University	Predicting the Ferromagnetic Phase of FexOy Using Machine Learning Techniques	Dec. 8 (Fri.)
537	Artificial Intelligence and Applied Computation	**FRI-AC23-829**	Jaejin Hwang	Pusan National University	First-principles studies of the effect of oxygen vacancy in oxide-based Li-ion battery	Dec. 8 (Fri.)
538	Artificial Intelligence and Applied Computation	**FRI-AC23-841**	Thu Thuy Hoang	Chungbuk National University	Excitation induces structural changes in lead halide perovskites FAPbI3	Dec. 8 (Fri.)
539	Artificial Intelligence and Applied Computation	**FRI-AC23-842**	Yeongrok Jin	Pusan National University	Phonon Decoupling in Brownmillerite SrFeO2.5 and CaFeO2.5	Dec. 8 (Fri.)
540	Artificial Intelligence and Applied Computation	**FRI-AC23-850**	Jeongwon Lee	Korea Advanced Institute of Science and Technology	Low-temperature behavior of quantum hybridization negative differential resistance from one-dimensional halide perovskite	Dec. 8 (Fri.)
541	Artificial Intelligence and Applied Computation	**FRI-AC23-851**	JIYOON SONG	Korea Advanced Institute of Science and Technology	First-principles study of gating-based modulation defect energy levels in hexagonal boron nitride on MoS2	Dec. 8 (Fri.)
542	Surfaces and Interfaces	**MON-SI23-119**	Hanjae Shin	Gumi Electronics & Information Technology Research Institute	Optimization of amorphous IGZO electrodes for transparent device	Dec. 4 (Mon.)
543	Surfaces and Interfaces	**MON-SI23-134**	LI SHIPING	Hankuk University of Foreign Studies	A rational design of Sn doped ctahedron-shaped Fe3O4/γ-Fe2O3 type-II heterojunction for highly efficient visible-light CO2 reduction and pollutants degradation	Dec. 4 (Mon.)
544	Surfaces and Interfaces	**MON-SI23-196**	Sangseob Lee	Yonsei University	Oxygen Evolution Reaction in Hollandite Surface: The Role of Intercalated Potassium in Iridium Oxide	Dec. 4 (Mon.)
545	Surfaces and Interfaces	**MON-SI23-259**	Caroline Hommel	IBS Center for Quantum Nanoscience	Sample preparation in ultrahigh vacuum for scanning tunneling microscopy analysis	Dec. 4 (Mon.)
546	Surfaces and Interfaces	**MON-SI23-263**	Seungil Baek	Korea Advanced Institute of Science and Technology	Disclosing antibonding nodes of surface defect states from atomic-scale thermopower	Dec. 4 (Mon.)
547	Surfaces and Interfaces	**MON-SI23-302**	Heewoo Lee	Incheon national university	Thickness Characterization of SiO2/Si Wafers Using a Rotating Compensator-Type Spectroscopic Ellipsometer	Dec. 4 (Mon.)
548	Surfaces and Interfaces	**MON-SI23-308**	Byeongin Lee	Yonsei University	Charge redistribution in electron doped 4Hb-TaS2	Dec. 4 (Mon.)
549	Surfaces and Interfaces	**MON-SI23-333**	Hyungryul Yang	Yonsei University	Spectroscopic evidence for surface reconstruction in bulk 1T-TaS2	Dec. 4 (Mon.)
550	Surfaces and Interfaces	**MON-SI23-340**	Massine KELAI	Center for Quantum Nanoscience (QNS), Institute for Basic Science (IBS), Seoul 03760, Republic of	Electronic Crossover of Atomic-Scale Lanthanide Architectures on Surfaces	Dec. 4 (Mon.)
551	Surfaces and Interfaces	**MON-SI23-350**	Soyoung Oh	Ewha Womans University	Surface characterization of YPc2 molecular spin qubit candidate on Cu (111)	Dec. 4 (Mon.)
552	Surfaces and Interfaces	**MON-SI23-361**	Kwangwook Park	Jeonbuk National University	Optical and morphological properties of double heterostructure GaAs/ZnSe core-shell nanowires of two different VI/II ratios grown by molecular beam epitaxy	Dec. 4 (Mon.)
553	Surfaces and Interfaces	**MON-SI23-392**	Junho Bang	Yonsei University	Unveiling the presence of topological defects and electronic structure of domain walls in GdTe3	Dec. 4 (Mon.)
554	Surfaces and Interfaces	**MON-SI23-402**	Jisoo Yu	Ewha Womans University	Systematic parameter search for electron transport in the model junction of a scanning tunneling microscope	Dec. 4 (Mon.)
555	Surfaces and Interfaces	**MON-SI23-408**	Suhyun Park	Pukyong National University	Study on Thermal Hysteresis effect by mutation of LeIBP (Leucosporidium - derived ice-binding protein)	Dec. 4 (Mon.)
556	Surfaces and Interfaces	**MON-SI23-461**	Min-Jae MAENG	Kyung Hee University	Transport band gap measurement of large-area hBN by using direct and inverse photoemission spectroscopy	Dec. 4 (Mon.)
557	Surfaces and Interfaces	**MON-SI23-470**	Lihuan Sun	University of Geneva	Determining spin-orbit coupling in graphene by quasiparticle interference imaging	Dec. 4 (Mon.)
558	Surfaces and Interfaces	**MON-SI23-472**	Younghwan Kim	Kyunghee University	Measuring open-circuit voltage loss in organic solar cells using ultraviolet photoelectron spectroscopy (UPS) and inverse photoelectron spectroscopy (IPES)	Dec. 4 (Mon.)
559	Surfaces and Interfaces	**MON-SI23-499**	Jaehyun Lee	Ewha womans university	Interpreting X-ray absorption spectra of Vanadyl Phthalocyanines Spin Qubit Candidates using a Machine Learning-Assisted Approach	Dec. 4 (Mon.)
560	Surfaces and Interfaces	**MON-SI23-517**	Woojoo Lee	Korea Research Institute of Standards and Science	Layer-by-layer disentanglement of Bloch states	Dec. 4 (Mon.)
561	Surfaces and Interfaces	**MON-SI23-531**	Stefano Reale	Center for Quantum Nanoscience (IBS)	Electrically Driven Spin Resonance of 4f Electrons in a Single Atom on a Surface	Dec. 4 (Mon.)

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562	Surfaces and Interfaces	MON-SI23-534	Hayoon Im	Pusan National University	Tuning of the Berry phase in graphene by its stacking	Dec. 4 (Mon.)
563	Surfaces and Interfaces	MON-SI23-547	MinGi Jho	Korea Advanced Institute of Science and Technology	Algorithm for Finding Quasiparticle Self-energy on a Complex Plane from Photoemission Spectrum	Dec. 4 (Mon.)
564	Surfaces and Interfaces	MON-SI23-556	Hyo Won Seoh	University of Seoul	Oxygen evolution reaction process of iridium telluride (IrTex) thin films	Dec. 4 (Mon.)
565	Surfaces and Interfaces	MON-SI23-563	Chan-young Lim	Korea Advanced Institute of Science and Technology	Topological Weyl states in 2D ferromagnetic electride Gd2C	Dec. 4 (Mon.)
566	Surfaces and Interfaces	MON-SI23-572	Miyeon Cheon	Pusan National University	Structural and optical properties of Cu2O nanostructures	Dec. 4 (Mon.)
567	Surfaces and Interfaces	MON-SI23-600	DoGyeom Jeong	Gwangju Institute of Science and Technology	Improvement of the thermal low-pass filter functionality utilizing the multi-stacked interfaces	Dec. 4 (Mon.)
568	Surfaces and Interfaces	MON-SI23-647	HYUNKYU LEE	Kyung Hee University	Exploring Thru-Hole Epitaxy: A Path to Improved Crystalline Film Growth for Flexible Devices	Dec. 4 (Mon.)
569	Surfaces and Interfaces	TUE-SI23-120	Hanjae Shin	Gumi Electronics & Information Technology Research Institute	Characteristics of multi-component transparent conductive oxide thin film	Dec. 5 (Tue.)
570	Surfaces and Interfaces	TUE-SI23-275	Ji Min Hwang	Pukyong National University	Control of electronic transport by CaRuO3/Sr2RuO4 superlattices	Dec. 5 (Tue.)
571	Surfaces and Interfaces	TUE-SI23-551	Jounghoon Hyun	Korea Advanced Institute of Science and Technology	Tomonaga-Luttinger liquid nature of NbSe3 across the charge density wave transition	Dec. 5 (Tue.)
572	Surfaces and Interfaces	TUE-SI23-640	Min Seop Kim	Gwangju Institute of Science and Technology	Optical tracing of Dirac-to-Weyl states in Au-ion-implanted Bi0.96Sb0.04 thin films	Dec. 5 (Tue.)
573	Surfaces and Interfaces	TUE-SI23-644	Seungwook Lee	GIST	Interface structural characterization of high-Tc superconductor monolayer FeSe film grown on SrTiO3	Dec. 5 (Tue.)
574	Surfaces and Interfaces	TUE-SI23-646	Hanyeol Ahn	University of Seoul	Surface analysis of cobalt and silicon hybrid nanostructure for very low-power non-volatile flash memory applications	Dec. 5 (Tue.)
575	Surfaces and Interfaces	TUE-SI23-657	Jaehun Cha	Korea Advanced Institute of Science and Technology	Observation of time-reversal symmetry breaking under charge density wave phase of CsV3Sb5 via circular dichroism ARPES	Dec. 5 (Tue.)
576	Surfaces and Interfaces	TUE-SI23-658	Sobin Yun	Korea Institute of Science and Technology	Electronic band structures of van der Waals magnets	Dec. 5 (Tue.)
577	Surfaces and Interfaces	TUE-SI23-672	Junho Lee	Korea Institute of Science and Technology	Thickness dependent magnetism in Fe3GaTe2	Dec. 5 (Tue.)
578	Surfaces and Interfaces	TUE-SI23-686	Kimoon Han	Korea Advanced Institute of Science and Technology	Spectroscopic evidence of broken symmetry in the ground state charge density wave of 1T-$TiSe_2$	Dec. 5 (Tue.)
579	Surfaces and Interfaces	TUE-SI23-696	Jae Hyuck Lee	Seoul national university	Observation of kagome-like flat bands in an metal-semiconductor surface alloy	Dec. 5 (Tue.)
580	Surfaces and Interfaces	TUE-SI23-698	Soyoung Lee	Korea Advanced Institute of Science and Technology	Coupling between electron and charge density wave excitation mode in 2H-NbSe2	Dec. 5 (Tue.)
581	Surfaces and Interfaces	TUE-SI23-712	Gyubin Lee	KAIST	Observation of Rashba split 2-Dimensional electron gas states in topological Dirac semimetal	Dec. 5 (Tue.)
582	Surfaces and Interfaces	TUE-SI23-719	Minseon Gu	University of Seoul	Nanoscale Scanning Photoelectron Microscopy Diagnosis of Contact Holes for V-NAND Flash Memory Applications	Dec. 5 (Tue.)
583	Surfaces and Interfaces	TUE-SI23-726	Seonggeon Gim	Korea Advanced Institute of Science and Technology	Circular dichroism induced by antiferromagnetic fluctuation in LiFeAs	Dec. 5 (Tue.)
584	Surfaces and Interfaces	TUE-SI23-735	Dongchul Sung	Sejong University	Effects of surface charge distribution of GaN and GaAs wafers on remote epitaxy through 2D materials	Dec. 5 (Tue.)
585	Surfaces and Interfaces	TUE-SI23-747	Yongsoo Yang	KAIST	Revealing the Three-Dimensional Arrangement of Polar Topology in Nanoparticles	Dec. 5 (Tue.)
586	Surfaces and Interfaces	TUE-SI23-766	Wonhui Lee	Inha University	Alkali metal adsorption on MoS2 studied by using photoelectron spectroscopy	Dec. 5 (Tue.)
587	Surfaces and Interfaces	TUE-SI23-778	Jeongmin Oh	Ewha Womans University	Enhancing Spin Lifetime of Fe Atoms on Ag(111) through an Aromatic Molecule	Dec. 5 (Tue.)
588	Surfaces and Interfaces	TUE-SI23-801	Merve Ercelik	Ewha Womans University	Spin states of non-planar phthalocyanine molecules on an ultrathin MgO layer on Ag(100)	Dec. 5 (Tue.)
589	Surfaces and Interfaces	TUE-SI23-827	Kim Tae-Gi	University of Ulsan	Epitaxial growth of Pb10-x Cux (PO4)6 O thin films by MBE	Dec. 5 (Tue.)
590	Surfaces and Interfaces	TUE-SI23-830	Yeojin Ahn	Korea Advanced Institute of Science and Technology	Converting the bulk transition metal dichalcogenides crystal into stacked monolayers via ethylenediamine intercalation	Dec. 5 (Tue.)
591	Surfaces and Interfaces	TUE-SI23-847	Kwangwook Park	Jeonbuk National University	Doping efficiency enhancement of p-type ZnSe:N grown on GaAs using photo-irradiation	Dec. 5 (Tue.)