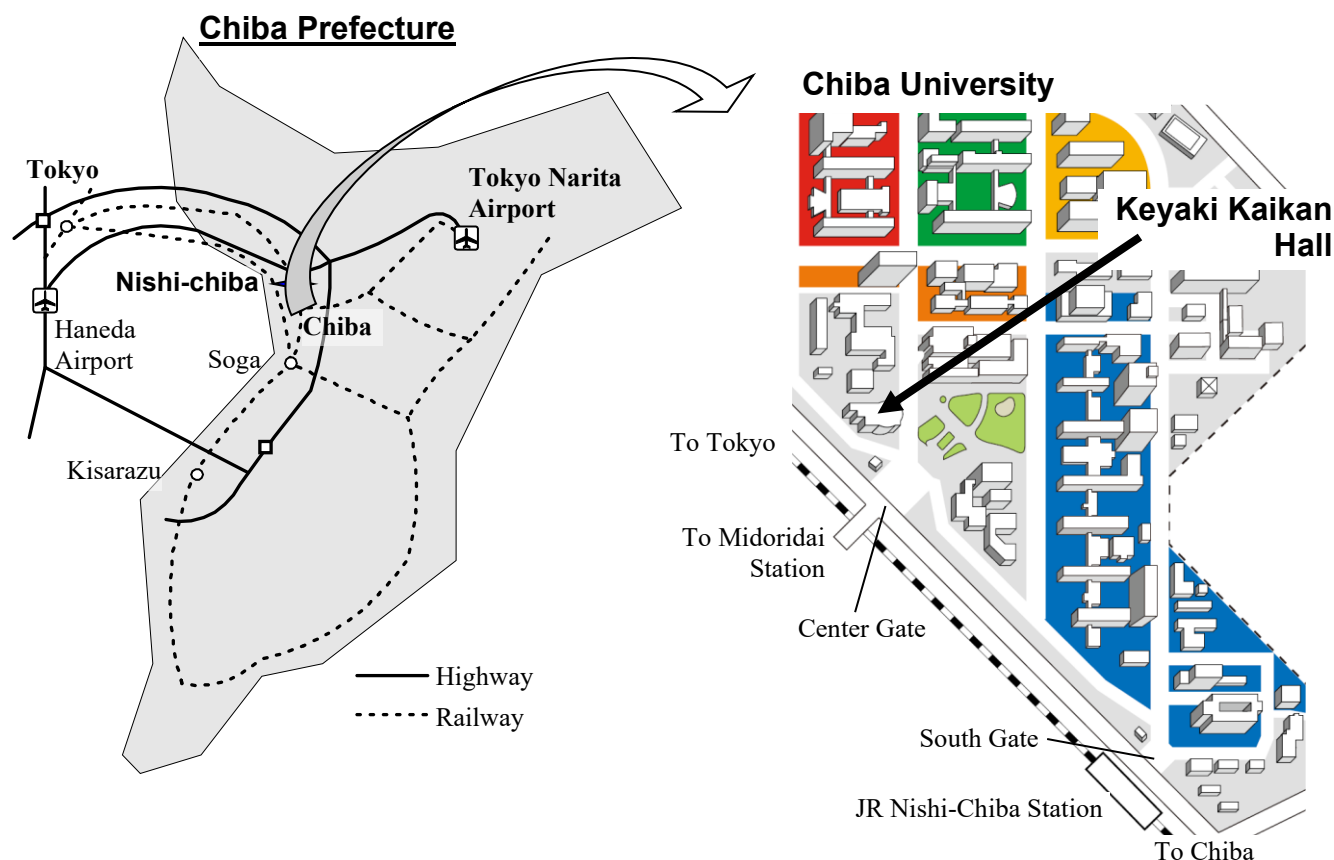


The 28th Symposium on the Society of Iodine Science

August 29, 2025

Keyaki Kaikan Hall in Chiba University, Chiba, Japan



SPONSORED by **SIS** The Society of Iodine Science
COSPONSORS : The Chemical Society of Japan
Japan Iodine Industry Association
Chiba University

Correspondence

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Time table (August 29th)

LECTURES	
9:00~ 9:05	<Opening Address > Takayoshi Arai (Chair of SIS)
Chair: K. Ishihara	
9:05~9:40	<Invited Lecture> Yiyun Chen (Chinese Academy of Sciences) “Biocompatible Photochemistry: Hypervalent Iodine and Beyond”
Chair: S.Matsumoto	
9:40~9:55	<Oral Presentation> <u>Masayuki Munekane</u> , Hiroaki Echigo, Kenji Mishiro, Takeshi Fuchigami, Kazuma Ogawa (Graduate School Pharmacy.Kanazawa University) “Development of I-125Labeled Nuclear Localization Probe Targeting $\alpha_v\beta_3$ Integrin for Auger Electron Therapy ”
9:55~10:10	<Oral Presentation> <u>Yuya Nakashima</u> , Hiroto Kudo (Faculty of Science and Engineering, Kansai University) “Synthesis and Properties of UV-curable Iodine-containing Polyacrylates with Ultra-high Refractive Index (1.8<n)”
10:10~10:25	<Oral Presentation> <u>Chihaya Fujiwara</u> ^{1,2} , Shunsuke Kurosawa ^{2,3,4,5} , Akihiro Yamaji ^{2,3} (¹ Department of Materials Science, Graduate School of Engineering Tohoku University; ² Institute for Materials Research, Tohoku University; ³ New Industry Creation Hatchery Center, Tohoku University; ⁴ Institute of Laser Engineering, Osaka University; ⁵ Institute for Integrated Radiation and Nuclear Science, Kyoto University) “Development of Zero-dimensional Perovskite Iodide Scintillator and Scintillator and Neutron Detection Application”
10:25~10:40	<Oral Presentation> <u>Yuki Takeda</u> , Noritaka Nagasaki, Takanori Miyazaki, (Tosoh Finechem Corporation) “Development of Magnesium Cover Gas Technology Using FITECTTM(CF₃I)”
10:40~10:50	Break
Chair: S. Asakura	
10:50~11:25	< Invited Lecture > Takeru Bessho (SEKISUI CHEMICAL COMPANY) “The Development of Perovskite Solar Cell for Practical Application in Sekisui Chemical Company”
11:30~12:25	<Short Speeches on Poster Presentations>
POSTER PRESENTATIONS KEYAKI Reception Hall (3F)	
13:20~14:50	Presentation, question, and answer
COMMENDATION CEREMONY and LECTURES KEYAKI Hall (1F)	
14:55~15:00	Commendation ceremony
Chair:A. Saitoh	
15:00~15:40	< Award Lecture > Tomoko Yajima (Faculty of Science, Ochanomizu University) “Discovery of an Iodine-Containing Compound, Trametinib as a Molecular Targeted Drug for Cancer”
Chair: S. Nakajima	
15:40~15:55	< Oral Presentation > <u>Syusuke Narita</u> , Kensuke Kiyokawa, Satoshi Minakata (Graduate School of Engineering, The University of Osaka) “Synthesis of Sulfilimine-substituted Amino-λ^3-iodanes and Their Application to Electrophilic Amination”
15:55~16:10	<Oral Presentation> <u>Ryosuke Taniyama</u> ¹ , Takashi Mino ¹ , Yasushi Yoshida ^{1,2} (Graduate School of Engineering, Chiba University) “Asymmetric Construction of Fluorine-containing Vicinal Tetrasubstituted Carbon Centers by Chiral Iodonium Salt Catalysis”
16:10~16:25	<Oral Presentation> <u>Muhammet Uyanik</u> , Ryutaro Kondo, Kazuaki Ishihara (Graduate School of Engineering, Nagoya University) “IBS-catalyzed Room Temperature Selective Oxidation of Alcohols and a One-Pot Oxidative Esterification”
Chair: T. Kaiho	
16:25~17:00	<Invited Lecture> David C. Powers(Department of Chemistry, Texas A&M University) “Iodanyl Radicals: Lynchpines for Sustainable Hypervalent Iodine Catalysis”
17:05~17:20	Poster Award Commendation

Poster Presentation

Presenters are requested to be at **KEYAKI Reception Hall (3F)** for discussions:

“S” mark before the poster number shows to give a short speech on poster presentation.

No.	“Title” (Affiliation) <u>Author</u> , Co-authors
01	“Development of a Synthetic Method for Cyclic Aminotriazolamers Using Ethynyl Hypervalent Iodine Compounds” (Gifu Pharmaceutical University) <u>Norihiro Tada</u> , Chihiro Muraki, Ryusei Uozumi, Ryosuke Tomono, Akichika Itoh
02	“Synthetic Study and Structural Biological Evaluation of Farglitazar Derivatives Using Hypervalent Iodine Reagents” (Showa Pharmaceutical University) <u>Hiroaki Ishida</u> , Yuma Iwamoto, Shoya Homma, Toshimasa Itoh
S03	“Chiral Organoiodine(III)-catalyzed Enantioselective Oxidative Dearomative Biaryl Coupling Toward Synthesis of Amaryllidaceae Alkaloids” (Graduate School of Engineering, Nagoya University) <u>Shunsuke Minabe</u> , Muhammet Uyanik, Kazuaki Ishihara
S04	“Additive-free S-Arylation of Sulfenamides with TMP-Iodonium Acetate” (¹ Graduate School of Pharmaceutical Sciences, Ritsumeikan University; ² Research Organization of Science and Technology, Ritsumeikan University) <u>Taeho BAE</u> ¹ , Elghareeb E. Elboray ¹ , Kotaro Kikushima ¹ , Yasuyuki Kita ² , Toshifumi Dohi ^{1,2}
S05	“Development of New Synthetic Method of Benziodolium Salts and Its Application as Lewis Acid” (Institute of Engineering, Tokyo University of Agriculture and Technology) <u>Kohei Noguchi</u> , Haruhi Hirai, Akira Tsubouchi, Akio Saito
06	“Developing Ag-catalyzed Amination Reaction of Nonactivated C(sp³)-H Bond” (Graduate School of Pharmaceutical Sciences, Chiba University) <u>Taisei Fujii</u> , Haruki Kanda, Shingo Harada, Tetsuhiro Nemoto
S07	“Bromination Reaction of Arylbenziodoxaborole Using NBS” (¹ Faculty of Pharmaceutical Sciences, Aomori University; ² UMD; ³ Institute of Engineering, Tokyo University of Agriculture and Technology) <u>Akari Zeniya</u> ¹ , Viktor V. Zhdankin ² , Akio Saito ³ , Akira Yoshimura ¹
08	“Ring-opening Arylation of Cyclic Diaryliodoniums via Self-propagating Aryne Carbometalation” (Graduate School of Pharmaceutical Sciences, Tohoku University) <u>Naohiko Yoshikai</u> , Daichi Ikeshita
09	“Oxidative Remote Aryl Rearrangement of N-Cinnamyl-N-alkoxybenzyl Sulfonamides Using Hypervalent Iodine(III)” (Graduate School of Science, Chiba University) <u>Ryunosuke Okada</u> , Takayoshi Arai
S10	“C-N Axially Chiral Iodoaniline Catalysts for Enantioselective Intramolecular α-Amination of Alkylamino Ketones” (Graduate School of Science, Chiba University) <u>Ryusei Marushima</u> , Katsuhiko Moriyama
11	“Chiral Halonium Salt Catalyzed Asymmetric Desymmetrization” (¹ Graduate School of Engineering, Chiba University; ² IAAR, Chiba University) <u>Rika Matsumoto</u> ¹ , Takashi Mino ¹ , Yasushi Yoshida ^{1,2}
S12	“Conversion of Amides into Thioamides Using Dithiophosphate Salts with Halogen Bonding” (¹ Department of Pharmaceutical Science, Kyoto Pharmaceutical University; ² Division of Pharmaceutical Sciences, Graduate School of Medical Sciences, Kanazawa University) <u>Yusuke Kobayashi</u> ¹ , Mei Ikeda ¹ , Akiho Nakamura ¹ , Sakura Tsujikawa ¹ , Shohei Hamada ² , Takumi Furuta ¹
S13	“Enhancing the Catalytic Activity of Cationic Halogen-bond Donors via Intramolecular Hydrogen Bonding” (Graduate School of Engineering, Chiba Institute of Technology) <u>Momoko Yamaoka</u> , Mariha Ishikawa, Shunsuke Hayakawa, Ryosuke Haraguchi
S14	“Theoretical Study of Electrochemical C–N Bond Formation Mediated by Halogen Bonding” (¹ Graduate School of Arts and Sciences, The University of Tokyo; ² Department of Chemistry and Life Science, Yokohama National University) <u>Kayo Suda</u> ¹ , Atsuki Hirama ² , Shohei Yoshinaga ² , Mahito Atobe ² , Naoki Shida ² , Daisuke Yokogawa ¹

S15	“Synthesis of Fluorinated Amides Using Perfluoroalkyls Iodides” (Department of Chemistry, Ochanomizu University) <u>Airi Yamaguchi</u> , Tomoko Yajima
16	“One-pot Synthesis of Unsymmetrical Triarylphosphine Derivatives Based on the Activation of Phosphorus–element Bonds Using Palladium Catalysts and I₂” (Graduate Faculty of Interdisciplinary Research, University of Yamanashi) <u>Mirai Tsuji</u> , Reina Kani, Yuki Yamamoto
17	“One-pot and Catalytic Introduction of Phosphorus Functional Groups into Terminal Alkynes Using Stable Diphosphines and I₂” (Graduate Faculty of Interdisciplinary Research, University of Yamanashi) <u>Kota Iino</u> , Yuki Yamamoto
S18	“One-pot Synthesis of Nitriles from Silyl Ethers Using Iodine Reagents” (¹ Division of Pharmaceutical Sciences, Graduate School of Medical Sciences, Kanazawa University; ² Kyoto Pharmaceutical University) <u>Shohei Hamada</u> ¹ , Suzuka Kubozono ² , Kaori Sakamoto ¹ , Kyoko Yano ² , Yuka Tanaka ² , Yusuke Kobayashi ² , Takumi Furuta ²
S19	“Formation of Quinolinium Compounds with <i>N,N</i>-Diallylanilines and Iodine” (Graduate School of Engineering, Chiba University) <u>Kazuki Kabori</u> , Motohiro Akazome, Shoji Matsumoto
S20	“Halogen Bond Formation of 3-Phenyloxadiazol-3-ium-5-olate Bearing Iodine Substituents” (Graduate School of Engineering, Chiba University) <u>Sho Sasaki</u> , Motohiro Akazome, Shoji Matsumoto
S21	“Crystals of Distyrylbenzene Derivatives with the Halogen Bonding: Creation of Highly Luminescent Polar Crystals” (¹ Graduate School of Engineering, Osaka Metropolitan University; ² RIMED, Osaka Metropolitan University) <u>Shota Nakano</u> , ¹ Takuya Ogaki, ^{1,2} Taisuke Yamaura, ¹ Yasunori Matsui, ^{1,2} Hiroshi Ikeda, ^{1,2}
S22	“Molecular Orientation Control of Disubstituted Asymmetric Organic Semiconductors via Iodine-iodine Interactions” (¹ Graduate School of Organic Materials Science Yamagata University; ² Graduate School of Science and Engineering Yamagata University) <u>Kakeru Hasumi</u> ¹ , Amane Matunaga ² , Mai Hasada ¹ , Akimitsu Miyata ¹ , Hiroshi Katagiri ^{1,2}
23	“Poly(Glycerol Adipate) Functionalized with Halogenated Benzoic Acids on Side Chains: Halogen Bonding and Its Structure-property Relationships” (Graduate School of Science and Technology, Keio University) <u>Kanji Niimi</u> , Yuya Oyama, Atsushi Hotta
S24	“Iodine Arrays as Hierarchic Structures -Self-organization/Non-localized Charge/Deviated VdW-” (Research Reactor Institute, Kyoto University) <u>Akio Kawaguchi</u>
S25	“Tuning Material Properties via Iodine-based Halogen Bonds in Coordination Frameworks” (Politecnico di Milano) <u>Giancarlo Terraneo</u>
S26	“Establishment of Ambient Synthesis Conditions Based on Donor Number” (¹ Graduate School of Science and Engineering, Yamagata University; ² Ise Chemicals Corporation; ³ FROM, Faculty of Science, Yamagata University) <u>Komone Wada</u> ¹ , Kenshin Yoshida ¹ , Satoshi Asakura ² , Akito Masuhara ^{1,3}
S27	“Enhancing Photoluminescence Efficiency of Mixed-halide Perovskite Quantum Dots via Combined Control of Quantum Size Effect and Halide Composition” (¹ Graduate School of Science and Engineering, Yamagata University; ² Ise Chemicals Corporation; ³ FROM, Faculty of Science, Yamagata University) <u>Shun Hirashima</u> ¹ , Naoki Oshita ¹ , Satoshi Asakura ² , Akito Masuhara ^{1,3}
S28	“Orientation Control of Light-emissive Molecule Based on Iodine-Pyridyl Interaction Toward Anisotropic Optical Waveguide Properties” (¹ Graduate School of Engineering, Kochi University of Technology; ² School of Science and Engineering, Kochi University of Technology; ³ Research Institute, Kochi University of Technology) <u>Mahiro Nakabayashi</u> ¹ , Takumi Matsuo ^{2,3} , Shotaro Hayashi ^{2,3}

29	“Effect of High-Z Element on the Dose-response of a PVA-GTA-I Radiochromic Gel Dosimeter” (Hiroshima International University; ² Hiroshima University; ³ Kindai University) <u>Shin-ichir. Hayashi</u> ¹ , Kenji Komaguchi ² , Genichiro Wakabayashi ³
S30	“Effect of NaI and CsI Addition on the Thermoelectric Performance of PbTe” (Chiba Institute of Technology) <u>Kyosuke Nemoto</u> , Kaoru Igarashi
S31	“Removal of Tin from Steel Scrap Using Iodine” (Chiba Institute of Technology) <u>Ryohei Aoyama</u> ¹ , Haruto Tateiwa ² , Atuki Ota ² , Takasi Nagai ²
32	“Investigation of Flow Battery Performance Based on Iodine Multi-electron Reactions” (Sumitomo Electric Industries) <u>Xiaoyu Zhou</u> , Kazuki Tani, Kei Hanafusa, Yongrong Dong, Kiyooki Moriuchi
S33	“A Novel Fe-I Catalyzed Complete Oxidation of Hypophosphite and Phosphite for Electroless Nickel Plating Wastewater Treatment” (Shizuoka Kita High School) <u>Kento Hagiwara</u> , Hayato Yamashita, Yuta Fuchigami

Official Language

Official language is Japanese. No official simultaneous translation in English will be offered. We welcome both oral and poster presentations in English.

Registration Fee Deadline Aug.4, 2025

Reduced Registration Fee (before August 5, 2025).

Non-SIS-members☆ 3,000 yen

Students☆ Free

☆Non-SIS members who require the booklet need to pay 2,000yen.

※Everybody is welcome to join SIS. Membership fee is 2,000 yen/year. (Students are 1,000 yen/year)

And the Reduced Registration Fee for SIS-members is 1,000yen including the booklet.

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