The 26th Symposium on the Society of Iodine Science

Time table (September 15th)

LECTURES	
9:00~ 9:05	<Opening Address > YOSHIYUKI YOKOTA (Chair of SIS)
Chair : T. Kitamura	
9:05~9:40	<Invited Lecture> Viktor V. Zhdankin (University of Minnesota Duluth) **"Hypervalent Iodine Compounds: Reagents of the Future"**
Chair : K. Iida	
9:40~9:55	<Oral Presentation> Masaki Fujie, Yoshihiro Nishimoto, Makoto Yasuda (Graduate School of Engineering , Osaka University) **"1-Fluoro-1-sulfonyloxylation of Alkenes with Hypervalent Iodine Reagent Tuned by Multivariate Regression Analysis"**
9:55~10:10	<Oral Presentation> Jun Kikuchi[1], Toya Nagata[1], Shingo Ito[2], Naohiko Yoshikai[1] ([1]Grad. Sch. Pharm. Sci., Tohoku Univ.; [2]Nanyang Technological Univ.) **"Iodine(III)-Mediated Three-Component Friedel–Crafts Alkenylation of (Hetero)arenes with Ynamides"**
10:10~10:25	＜Oral Presentation＞Takeshi Yamada[1], Sentaro Okamoto[2], Manabu Hatano[1] ([1]Faculty of Pharmaceutical Sciences, Kobe Pharmaceutical University; [2]Faculty of Chemistry and Biochemistry, Kanagawa University) **"6-Iodo-2-pyridone-catalyzed ester aminolysis through acid-base double activation mechanism"**
10:25~10:40	<Oral Presentation> Davor Margetic. (Rudjer Boskovic Institute) **"Mechanochemical organic reactions employing iodine reagents"**
Chair : K. Ishihara	
10:40~11:15	< Invited Lecture > Tomoko Yajima. (Ochanomizu University) **"Development of Visible-Light Induced Reactions using Perfluoroalkyl Iodide as a Fluorine Source"**
11:20~12:15	<Short Speeches on Poster Presentations>
POSTER PRESENTATIONS KEYAKI Reception Hall (3F)	
12:05~14:25	Presentation, question, and answer
COMMENDATION CEREMONY and LECTURES KEYAKI Hall (1F)	
14:35～14:40	Commendation ceremony
Chair : T. Arai	
14:40~15:20	< Award Lecture > Satoshi Minakata (Graduate School of Engineering, Osaka University) **"Development of Synthetic Methods Utilizing Iodine－Heteroatoms Bonds"**
Chair : K. Moriyama	
15:20~15:35	< Oral Presentation > Yuji Oka, Kosuke Kawabe (Tosoh corporation) **"Explore applications of fluoroiodoalkanes"**
15:35~15:50	<Oral Presentation> Shinji Kawasaki, Yosuke Ishii. (Nagoya Institute of Technology) **"Solar CO_2 reduction reaction photo-catalyst using iodine molecules encapsulated in SWCNTs"**
15:50~16:05	<Oral Presentation> Kyoka Komaba[1], Masashi Otaki[1], Reiji Kumai[2], Shigeki Nimori[3], Hiromasa Goto[1] ([1]Faculty of Pure and Applied Sciences, University of Tsukuba, [2]Institute of Materials Structure Science, High Energy Accelerator Research Organization, [3]National Institute for Materials Science) **"Iodine doping effect and electro-magnetic functions for substituted polyacetylenes with liquid crystallinity and luminescence"**
16:05~16:20	< Oral Presentation > Takuya Ogaki,[1,2] Yasunori Matsui,[1,2] Hiroshi Ikeda[1,2] ([1]Graduate School of Engineering and [2]RIMED, Osaka Metropolitan University) **"Design and Triboluminescence Properties of Organic Polar Crystals Based on Iodine…Oxygen Halogen Bonding"**
Chair : K. Ishihara	
16:20~16:55	<Invited Lecture> Antonio Frontera (Department of Chemistry, Universitat de les Illes Balears) , **"Supramolecular Assemblies Based on Iodine: Halogen Bonding at Work"**
16:55~17:10	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) , Author , Co-authors
01	**"*O*-Arylation of Amides with Diaryliodonium Salts~Metal-Free Synthesis of *O*-Aryl Imino Ethers~"** ([1]Graduate School of Pharmaceutical Sciences, Ritsumeikan University,[2]Research Organization of Science and Technology, Ritsumeikan University) Taeho BAE[1], Elghareeb E. Elboray[1], Kotaro Kikushima[1],Yasuyuki Kita[2], Toshifumi Dohi[1,2]
02	**"Oxidative Coupling with *μ*-Oxo Hypervalent Iodine Catalyst– Efficient Synthesis of Nitrogen-Containing Heterocycles–"** ([1]Graduate School of Pharmaceutical Sciences, Ritsumeikan University[2]Graduate School of Life Sciences, Ritsumeikan University) Shotaro Hamatani[1], Hirotaka Sasa[1], Mayu Hirashima[2], Anna Kamei[1], Tomonori Hanasaki[2], Toshifumi Dohi[1]
S03	**"Ring Contraction of 2-Substituted Piperidines Using Hypervalent Iodine Reagent"** ([1]School of Pharmaceutical Sciences, Osaka University; [2]Graduate School of Pharmaceutical Sciences, Osaka University) Mirei Takashima[1], Makoto Miyoshi[2], Makoto Sako[2], Mitsuhiro Arisawa[2],Kenichi Murai[2]
04	**"Esterification and amidation reactions using benziodazolone"** ([1]Faculty of Pharmaceutical Sciences, Aomori University, [2]University of Minnesota Duluth, [3]Graduate School of Engineering, Tokyo University of Agriculture and Technology) Akira Yoshimura [1], Michael T. Shea [2], Akio Saito [3], Viktor V. Zhdankin [2]
05	**"Synthesis of *gem*-diiodonioalkenes"** ([1]Faculty of Pharmaceutical Sciences, Kanazawa University; [2]Institute for Frontier Science Initiative, Kanazawa University; [3]Faculty of Pharmaceutical Sciences, Kobe Gakuin University) Takuya Matsumoto[1], Kanetsugu Kuribayashi[1], Yuugi Kumada[2], Hikaru Fujita[2],Kenji Mishiro[2], Munetaka Kunishima[1,3]
06	**"Synthetic method of bitriazoles through diynylation with hypervalent iodine compound"** (Gifu pharmaceutical university) Norihiro Tada, Akichika Itoh
07	**"Oxidative cyclization of hydroquinone-silyl enol ether using hypervalent iodine reagent"** (Graduate School of Biomedical and Health Sciences, Hiroshima University) Takuya Kumamoto, Hiroki Miyake, Ryo Nakajima
08	**"Room temperature decarboxylative iodination of aliphatic carboxylic acid using hypervalent iodine(III) reagent and iodoform"** ([1]Graduate School of Pharmaceutical Sciences, The University of Tokyo; [2]Shinshu University RISM) K. Miyamoto[1], K. Sakamoto[1], M. Kubota[1], T. Matsunaga [1], M. Uchiyama[1,2]
09	**"Fluorination of Alkenes with Iodine"** (Department of Chemistry and Applied Chemistry, Saga University) Tsugio Kitamura, Juzo Oyamada
S10	**"Iodine(III)-Catalyzed Synthesis of Furans with Introduction of Aryl Groups"** (Graduate School of Engineering,Tokyo University of Agriculture and Technology) Yuki Umakoshi, Akira Tsubouchi, Akio Saito
S11	**"Synthesis of *N*-sulfonylimine by Iminoiodane Catalyst"** (Graduate School of Engineering, Tokyo University of Agriculture and Technology) Yoko Tezuka, Shun Sunagawa, Akira Tubouchi, Akio Saito
S12	**"Cu/I Hybrid Catalysis for Enantioselective Aerobic Oxidative Cyclization"** (Nagoya University) Shunki Matsuyama, Takehiro Kato, Muhammet Uyanik, Kazuaki Ishihara
13	**"α-Iodination of Alkenyl Esters Using Chiral Tin Alkoxide Catalysts"** ([1]Graduate School of Science and Engineering, Chiba University; [2]Nippoh Chemical Co., Ltd.; [3]Graduate School of Science, Chiba University) Etsushi Saito, [1] Takamichi Watanabe,[2] Koji Midorikawa,[2] Akira Yanagisawa[3]
14	**"Chiral halonium salt catalyzed construction of the vicinal chiral tetrasubstituted carbon center"** (Graduate School of Engineering, Chiba University) Maho Aono, Yasushi Yoshida, Takashi Mino
15	**"Iodination/cyanation catalyzed by trispentafluorophenylborane (BCF)"** (Graduate School of Science, Chiba University) Ikumi Furusawa, Takumi Suzuki, Takayoshi Arai
16	**"Highly *para*-selective iodination of electron-rich phenols using 1,3-diiodo-5,5-dimethylhydantoin"** (Faculty of Science, Chiba University) Cao Weijie, Takayoshi Arai

S17	**“Enantioselective Oxidative Aryl Rearrangement Reaction Using Lewis Acid–Hypervalent Iodine (III)”** (Graduate School of Science, Chiba University) Honoka Kasahara, Yuna Nishiguchi, Katsuhiko Moriyama
S18	**“Photoresponsive Dehydrogenative Cross Coupling Reaction of Tetrahydroisoquinolines via Aerobic Oxidation of Iodide Catalyst”** (Graduate School of Science, Chiba University) Hikari Kurihara, Katsuhiko Moriyama
S19	**“ δ -C(sp^3)−H Amination of α-Aminoxycarboxylic Acids Enabled by Photoexcitation of (Diarylmethylene) -aminobenziodoxolones”** (Graduate School of Engineering, Osaka University) Mari Sugimura, Kensuke Kiyokawa, Satoshi Minakata
S20	**“Three-Component Carboamination of Styrenes with Carboxylic Acids via Photoexcitation of (Diarylmethylene)aminobenziodoxolones”** (Graduate School of Engineering, Osaka University) Daichi Okumatsu, Kensuke Kiyokawa, Satoshi Minakata
S21	**“Photo-Induced Iodoperfluoroalkylation of Styrenes and Deficient Olefines”** ([1]Department of Chemistry, Ochanomizu University; [2]Godo Shigen) Airi Yamaguchi[1], Yu Ofuji[1], Norika Inukai[1], Tatsuo Kaiho[2], Tomoko Yajima[1]
S22	**“Functionalization of Unactivated Alkenes using *N*-Acyliminoiodinanes”** (Department of Pharmaceutical Science, Kyoto Pharmaceutical University) Yusuke Kobayashi, Takashi Ueda, Shohei Hamada, Takumi Furuta
S23	**“A Facile Synthesis of Interelement Compounds Containing Phosphorus in the Presence of Iodine”** (Osaka Metropolitan University; University of Yamanashi;Osaka Prefecture University) Kohsuke Fujiwara[1], Yuki Yamamoto[2], Ryo Tanaka[3],Hinako Watanabe[1], Akiya Ogawa[4]
S24	**“Synthesis of Spirocarbocycles by Dearomative Iodocyclization”** ([1]Faculty of Pharmaceutical Sciences, University of Toyama;[2]Kobe Pharmaceutical University) Takashi Okitsu[1], Ryoko Nambara[2], Masumi Uematsu[2], Akimori Wada[2], Kotoha Hayashi[1], Takayuki Yakura [1]
S25	**“Reduction of Styrene Compounds by Using Hydrogen Iodide and Reaction Mechanism”** ([1]Graduate School of Engineering, Chiba University; [2]Godo Shigen Co., Ltd.) Yusuke Fukaya[1], Hayato Marumoto[1], Motohiro Akazome[1], Tatsuo Kaiho[2], Shoji Matsumoto[1]
S26	**“Model study on the mechanism of thyroid hormone activating enzymes utilizing stable selenocysteine selenenyl iodides”** (School of Science, Tokyo Institute of Technology) Satoru Kuwano, Ryosuke Masuda, Jun Kikushima, Kei Goto
S27	**“Crystal Structure and OFET Properties of Iodine-Containing Asymmetric Thienoacenes”** ([1]Graduate School of Organic Materials Science Yamagata University; [2]Graduate School of Science and Engineering Yamagata University) Mai Hasada[1], Amane Matsunaga[2], Kakeru Hasumi[2], Daisuke Kumaki[1], Shizuo Tokito[1], Hiroshi Katagiri[1, 2]
S28	**“Crystal Structure and Electric Conductivity of Iodinated Thiazol-3-ium-4-olates”** (Graduate School of Engineering, Chiba University) Shun Suzuki, Motohiro Akazome, Shoji Matsumoto
29	**“Iodine Doping of Polyaniline”** (Faculty of Pure and Applied Science, University of Tsukuba) Kyoka Komaba, Hiromasa Goto
S30	**“Halogen Bonding Behavior between Halogen Molecules and Polymer Gels”** (Graduate School of Technology, Hirosaki University) Takahide Takenami, Takuma Kureha
31	**“Solar energy harvesting cycle “HI Cycle” using encapsulation property of single-walled carbon nanotubes”** (Graduate School of Engineering, Nagoya Institute of Technology) Runa Kato, Kenta Kobayashi, Midori Umakoshi, Yosuke Ishii, Shinji Kawasaki
32	**“Structure and battery electrode properties of iodine encapsulated in single-walled carbon nanotubes”** (Graduate School of Engineering, Nagoya Institute of Technology) M. Oshima, Y. Yokoya, M. Yokozeki, Y. Ishii, S. Kawasaki
S33	**“Spatial pattern formation of iodine ions in $CH_3NH_3Pb(Br_xI_{1-x})_3$ under light illumination”** (Graduate School of Science, Chiba University) Koyo Nomura, Kouki Kameyama, Yasuhiro Yamada
S34	**“High-performance red light-emitting perovskite quantum dots viaiodine defect compensation by room temperature synthesis without polar solvent”** ([1]Graduate School of Science and Engineering Yamagata University; [2]Ise Chemicals Corporation; [3]Graduate School of Organic Materials Science Yamagata University; [4]FROM, Yamagata University) Kenshin Yoshida [1], Naoaki Oshita [1], Satoshi Asakura [2], Takayuki Chiba [3,4], Akito Masuhara [1,4]

35	**"Theoretical study of I_7^- isomers in acetonitrile solution using global reaction route mapping"** (Graduate School of Arts and Sciences, The University of Tokyo) Kayo Suda, Daisuke Yokogawa
S36	"Influence of doped halogen ion on thermoelectricity of PbS" (Department of Applied Chemistry, Chiba Institute of Technology) Akito Hayashi, Yusuke Shinohara, Itsuki Baba, Kaoru Igarashi
S37	**"Removal with Chemical-Dissolution of Surface Silver Atoms Generated on the Development of Nuclear Emulsion Films (II) : Deposition into iodine solution"** (Faculty of Science, Chiba University) Kenichi Kuge, Daiki Hayakawa, Akitaka Ariga, Toranosuke Okumura, Takumi Kanai, Manato Miura, Kazuaki Okui, Motoya Nonaka, Haruhi Fujimori, Jun Miyamoto
S38	**"Evaluation of reusable PVA-I gel dosimeter for three-dimensional dosimetry"** ([1]Hiroshima Heiwa Clinic; [2]Hiroshima International University) Keisuke Fujino [1], ○Shin-ichiro Hayashi [2], Ryosuke Kurihara [1], Sachie Ikeda [1], Kaoru Ono [1], Yutaka Hirokawa [1]
39	**"Growth and Optical Properties for Iodide Neutron Scintillators II"** ([1]NICHe, Tohoku University; [2]IMR, Tohoku University; [3]Institute of Laser Engineering, Osaka University; [4]Tokyo Metropolitan Industrial Technology Research Institute; [5]Tohoku University Engineering) KUROSAWA, Shunsuke [1,2,3], FUJIWARA, Chihaya [4], URANO, Yusuke [2,5], YAMAJI, Akihiro [1,2]

Official Language

Official language is Japanese. No official simultaneous translation in English will be offered. Presentations for both the oral and the poster presentation welcome in English.

Registration Fee Deadline Aug.12, 2023

Reduced Registration Fee (before August 12, 2023):,

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