

The 14th Symposium on the Society of Iodine Science

November 18, 2011

Keyaki Kaikan Hall in Chiba University, Chiba, Japan

Time Table (November 18th)

LECTURES KEYAKI Hall (1F)	
9:30~9:35	<Opening Address > NAOFUMI TANAKA (Chairman of SIS)
Chair : M. Ohno	
9:35~10:10	<Invited Lecture> T. KAIHO (Kanto Natural Gas Development Co., Ltd.) “Advanced Applications of Iodine”
Chair : T. Fuchigami	
10:10~10:45	<Invited Lecture> G. RESNATI (Politecnico di Milano) “Iodine as Halogen Bond Donor: Role in Liquid Crystals and Other Molecular Materials”
Chair : Y. Arano	
10:45~11:20	<Invited Lecture> Y. SHIRAKAMI (Nihon Medi-Physics) “Medicinal Utility of Iodine and Radioactive Iodine”
11:20~12:10	<Short Speeches on Poster Presentations>
POSTER PRESENTATIONS KEYAKI Reception Hall (3F)	
12:00~14:20	Display 12:00~14:20 , Presentation, question and answer 12:50~14:20

COMMENDATION CEREMONY and LECTURES KEYAKI Hall (1F)	
14:30~14:35	Commendation ceremony
Chair : M. Ochiai	
14:35~15:15	<Award Lecture> T. KITAMURA (Saga University) “Development of Practical Synthesis of Iodine Reagents and Their Reactions”
Chair : Y. Muramatsu	
15:15~15:50	<Invited Lecture> M. REICH (Universidad de Chile) “Iodine in the Atacama Desert of Northern Chile”
Chair : H. Kanoh	
15:50~16:25	<Invited Lecture> S. YANAGIDA (RCAST, Tokyo University; Emeritus Prof., Osaka University) “Conductivity of Poly-iodides and Dye-sensitized TiO₂ Solar Cells”
Chair : T. Arai	

16:25~17:00	<Invited Lecture> Y. KITA (Ritsumeikan University) “The Power of Iodine -Discovery and Development of Innovative Coupling Reaction-”
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17:15~19:00	BANQUET KEYAKI Reception Hall (3F)
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An introduction by the chairman and a five minute question-and-answer period are included for the every lecture.

Poster Presentation

All posters should be posted between 12:00 and 14:20.

Presenters are requested to be at their papers for discussions:

No.	“Title” Author, Co-authors (Affiliation)
01	“Generation of Monoester Iodonium Ylide and Its Reaction with Aldehydes” M. SUZUKI, <u>K. MIYAMOTO</u> , T. SUEFUJI, M. OCHIAI (University of Tokushima)
02	“Hybrid Type Catalyst Based on Hypervalent Iodine Oxidation: Design and Oxidation of Alcohols” T. YAKURA, A. OZONO, <u>N. NODA</u> (University of Toyama)
03	“Regioselective Biaryl Coupling Reaction of Heteroaromatic Compounds” <u>K. MORIMOTO</u> , N. YAMAOKA, T. NAKAE, T. DOHI, Y. KITA (College of Pharmaceutical Sciences, Ritsumeikan University)
04	“Environmental-friendly Synthetic Method for Diaryliodonium Salts Using Peracetic Acid” M. ITO, <u>I. ITANI</u> , N. YAMAOKA, T. DOHI, Y. KITA (College of Pharmaceutical Sciences, Ritsumeikan University)
05	“Enantioselective Oxidation of Alkene with Hypervalent Iodine” <u>M. FUJITA</u> , K. MORI, T. SUGIMURA (Graduate School of Material Science, University of Hyogo)
06	“New Bicyclic NHC Catalyzed Asymmetric Benzoin Condensation and Asymmetric Arylation with Iodonium Salts” <u>HASEGAWA</u> , K. YOSHIDA, A. YANAGISAWA (Graduate School of Science, Chiba University)
07	“Stereoselective Dimerization of Tryptophan Derivatives with Hypervalent Iodine(III) Reagent” <u>S. INOUE</u> , K. ARAI, M. KITAJIMA, H. TAKAYAMA (Chiba University)
08	“α-Acyloxylation of Alkylbenzenes with DIB in Presence of Catalytic Amounts of Sulfonamide and I₂” <u>H. BABA</u> , K. MORIYAMA, H. TOGO (Graduate School of Science, Chiba University)
09	“Novel α-Tosyloxylation of Ketones with Iodine and <i>p</i>-Toluenesulfonic acid” <u>A. TANAKA</u> , K. MORIYAMA, H. TOGO (Graduate school of Science, Chiba University)
10	“Novel One-pot Preparation of Aromatic Nitriles from Aromatics and Aromatic Bromides” <u>S. USHIJIMA</u> , K. MORIYAMA, H. TOGO (Graduate School of Science, Chiba University)
11	“Direct Transformation of Various <i>N,N</i>-disubstituted Amides and Esters to Nitriles” <u>Y. SUZUKI</u> , K. MORIYAMA, H. TOGO (Graduate School of Science, Chiba University)
12	“Iodine-catalyzed Synthesis of Amides from Nitriles and Olefins” <u>Y. KASASHIMA</u> , K. TOMONO, T. MINO, M. SAKAMOTO, T. FUJITA (Chiba Institute of Technology; Chiba University)
13	“Syntheses of Acetophenones from Styrenes with Iodine through Aerobic Photo-oxidation/Deiodination” <u>T. NOBUTA</u> , N. TADA, T. MIURA, A. ITOH (Gifu Pharmaceutical University)
14	“In Situ-Generated (Hypo)iodite-Catalyzed Direct α-Oxyacylation of Carbonyl Compounds with Carboxylic Acids” <u>M. UYANIK</u> , D. SUZUKI, T. YASUI, K. ISHIHARA (Nagoya University; CREST)
15	“New Generation Method of Nitrile Oxides from Aldoximes Using <i>t</i>-BuOI” S. MINAKATA, <u>S. OKUMURA</u> , Y. TAKEDA (Graduate School of Engineering, Osaka University)
16	“Aerobic Photo-oxidative Oxy lactonization with Ketocarboxylic Acid” <u>T. IGHIGAMI</u> , K. BAN, N. TADA, T. MIURA, A. ITOH (Gifu Pharmaceutical University)

17	<p>“Titanium Tetraiodide-promoted Tandem Prins Reaction of Alkynes with Acetals” <u>I. HACHIYA</u>, K. OKURA, T. ARAI, M. SHIMIZU (Graduate School of Engineering, Mie University)</p>
18	<p>“Chiral Tin-Catalyzed Asymmetric <i>N</i>-Nitroso Aldol Reaction and Additive Effect of Iodine Compounds” <u>Y. OYOKAWA</u>, T. FUJINAMI, K. YOSHIDA, A. YANAGISAWA (Graduate School of Science, Chiba University)</p>
19	<p>“Selective Synthesis of 2-Iodoalkenes Using Iodine-Phosphorous Acid Binary System” <u>S. KAWAGUCHI</u>, H. MASUNO, A. OGAWA (Osaka Prefecture University)</p>
20	<p>“Development of Catalytic Iodocyclizations Using Nucleophilic Phosphorous(III) Compounds” <u>A. SAKAKURA</u>, H. NAKATSUJI, Y. SAWAMURA, K. ISHIHARA (EcoTopia Science Institute; Graduate School of Engineering, Nagoya University; JST(CREST))</p>
21	<p>“Stereoselective Iodination of α,β-Unsaturated Ynones: Structure and Function of the Iodo-enones” <u>Y. WATANABE</u>, T. ARAI, K. HOSHINO (Graduate School of Science, Graduate School of Advanced Integration Science, Chiba University)</p>
22	<p>“Formation of Iododihydrothiopyran Derivatives from 1-Methylthio-1-hexen-5-yne and Iodine” S. MATSUMOTO, <u>H. KAGEYAMA</u>, M. AKAZOME (Faculty of Engineering, Chiba University)</p>
23	<p>“Facile Preparation of 3,3',6,6'-Tetrasubstituted Binaphthols” <u>M. SAKO</u>, A. KANDAI, T. SHIMADA (Department of Chemical Engineering, Nara National College of Technology)</p>
24	<p>“Triflation of Aryl Aldehydes with 1,3-Diiodo-5,5-Dimethylhydantoin in the Presence of Triflic Acid and their Derivatizations” <u>K. IMAMURA</u>, Y. MIZUTANI, T. KAMEI, T. SHIMADA (Department of Chemical Engineering, Nara National College of Technology)</p>
25	<p>“Convenient Fluorination of 1,3-Dicarbonyl Compounds with Aqueous HF/PhIO” <u>T. KITAMURA</u>, S. KURIKI, M. H. MORSHED, Y. HORI (Saga University)</p>
26	<p>“Development of Trifluoromethyl Anion Equivalent” <u>Y. IMAGAWA</u>, Y. YOSHIKAWA, T. FUKUHARA, S. HARA (Graduate School of Engineering, Graduate School of Chemical Sciences and Engineering, Hokkaido University)</p>
27	<p>“A novel Fluorination Reagent, IF₅-Pyridine-HF” <u>M. MONOI</u>, R. UMEMURA, C. FUSE, S. HARA (Graduate School of Chemical Sciences and Engineering, Faculty of Engineering, School of Engineering, Hokkaido University)</p>
28	<p>“Electrochemical Fluorodesulfurization Using Iodine Mediator in Ionic Liquid HF Salts” <u>K. TAKAHASHI</u>, T. SAWAMURA, S. INAGI, T. FUCHIGAMI (Department of Electronic Chemistry, Tokyo Institute of Technology)</p>
29	<p>“Synthesis of 4-Iodotetrahydropyran-Containing Polymers and Its Post-functionalization” <u>N. TAKEI</u>, S. INAGI, T. FUCHIGAMI (Department of Electronic Chemistry, Tokyo Institute of Technology)</p>
30	<p>“Synthesis of Disulfide Polymer Precursor and Its Application for a Cathode Active Material for a Lithium Secondary battery” <u>K. YAMAMOTO</u>, A. MURAO, S. HARA, N. TANIFUJI (Department of Materials Science, Yonago National College of Technology)</p>
31	<p>“Utilization of the Dual Nature of Iodine Reagents: Comprehensive Synthesis of Unnatural Cyclic Amino Acids” <u>T. OKITSU</u>, S. YUMITATE, K. SATO, A. WADA (Kobe Pharmaceutical University)</p>
32	<p>“Synthesis and Evaluation of Iodo Substituted Fuligocandin B Derivatives” <u>M. A. ARAI</u>, K. UCHIYAMA, K. KOMATSUZAKI, M. ISHIBASHI (Graduate School of Pharmaceutical Sciences, Chiba University)</p>
33	<p>“Preparation and Physicochemical Properties of the Complexes of Chitosan-PEG Graft Copolymers with Iodine/Iodide, and Their Bioactivities” <u>S. UEDA</u>, K. TSUCHIYA, H. YAJIMA (Graduate School of Chemical Sciences and Technology)</p>
34	<p>“Preparation and Physicochemical Properties of the Complexes of Chitosan-PEG Block Copolymers with Iodine/Iodide, and Their Bioactivities” <u>S. SAGA</u>, S. UEDA, K. TSUCHIYA, H. YAJIMA (Tokyo University of Science)</p>
35	<p>“Preparation and Physicochemical Properties of the Complexes of Xylan with Iodine/Iodide” <u>M. ISHII</u>, H. KATO, K. TSUCHIYA, H. YAJIMA (Tokyo University of Science)</p>

36	<p>“Effects of the Side-chain Structures of Xyloglucan on the Physicochemical Properties of the Complexes of Xyloglucan with Iodine/Iodide” <u>H. KATO</u>, K. TSUCHIYA, M. SHIRAKAWA, H. YAJIMA (Graduate School of Chemical Sciences and Technology; DSP GOKYO FOOD & CHEMICAL Co., Ltd.)</p>
37	<p>“Thin Polarizing Film Formation with Photosensitive PVA” <u>Y. SATO</u>, M. MIZUKOSHI, N. ICHIKUNI, S. TAKAHARA (Chiba University)</p>
38	<p>“Local Structure Analysis of I-PVA Film Studied by XAFS” <u>K. HWANG</u>, K. OISHI, K. TAKAHASHI, T. MIKI, T. KONISHI¹, T. ITATANI, T. ISOZAKI, T. FUJIKAWA (Graduate School of Advanced Integration Science, Chiba University, Kuraray Co. Ltd)</p>
39	<p>“Inclusion Model Analysis of Mono-halide Ion-cyclodextrin Complex in Aqueous Solution Using XAFS and MD” <u>Y. WANG</u>, T. KANEKO, Y. MIYAGAWA, T. KONISHI, T. FUJIKAWA (Graduate School of Advanced Integration Science, Chiba University)</p>
40	<p>“Electrochemical Analyses of Iodide Species Formed on SWCNT Electrodes” M. LU, T. YASUHI, T. ITOH, T. OHBA, <u>H. KANO</u>H (Graduate School of Science, Chiba University; Shinshu University)</p>
41	<p>“Development of Iodine Recovery System from Sea Water Using S-Adenosyl-L-methionine-dependent Halide Ion Methyltransferase (HTMT) Reaction” <u>H. TODA</u>, A. SHIMIZU, N. ITOH (Toyama Prefectural University)</p>
42	<p>“Effect of Iodine-enriched Eggs on Hair Regeneration and Growth” <u>J. YOKOYAMA</u>, Y. FURUYA, Y. WATANABE, H. INOUE (Nosan Corporation, School of Medicine, St. Marianna University)</p>
43	<p>“Studies of Dietary Iodine Intakes of Japanese Students-calculated Base on Japanese Standard Food Composition-” <u>N. TSUKADA</u>, Y. URAKAWA, H. TANAKA, M. KOIKE, J. YOKOYAMA (Kamakura Women’s University; Kitasato Junior College of Health and Hygienic Sciences; Nosan Corporation)</p>
44	<p>“Thyroid Hormone Biosynthesis is Regulated by Diacylglycerol Kinase α” <u>M. SATO</u>, F. SAKANE (Graduate School of Science, Chiba University)</p>
45	<p>“Draft Genome Analysis Reveals Possible Involvement of Multicopper Oxidase in Iodide-oxidizing Activity by α-Proteobacterium Strain Q-1” <u>M. SUZUKI</u>, Y. KANESAKI, H. YOSHIKAWA, K. TANAKA, S. AMACHI (Chiba University; Tokyo University, Agriculture)</p>
46	<p>“Enrichment of Anaerobic Microbial Consortia Capable of Reductive Deiodination of 2,4,6-Triiodophenol” <u>Y. OBA</u>, T. FUTAGAMI, S. AMACHI (Chiba University; Kyusyu University)</p>
47	<p>“Influences of Microbial Enzyme Activity on Radioactive Iodine Sorption on Soils” <u>M. SEKI</u>, S. AMACHI (Chiba University)</p>