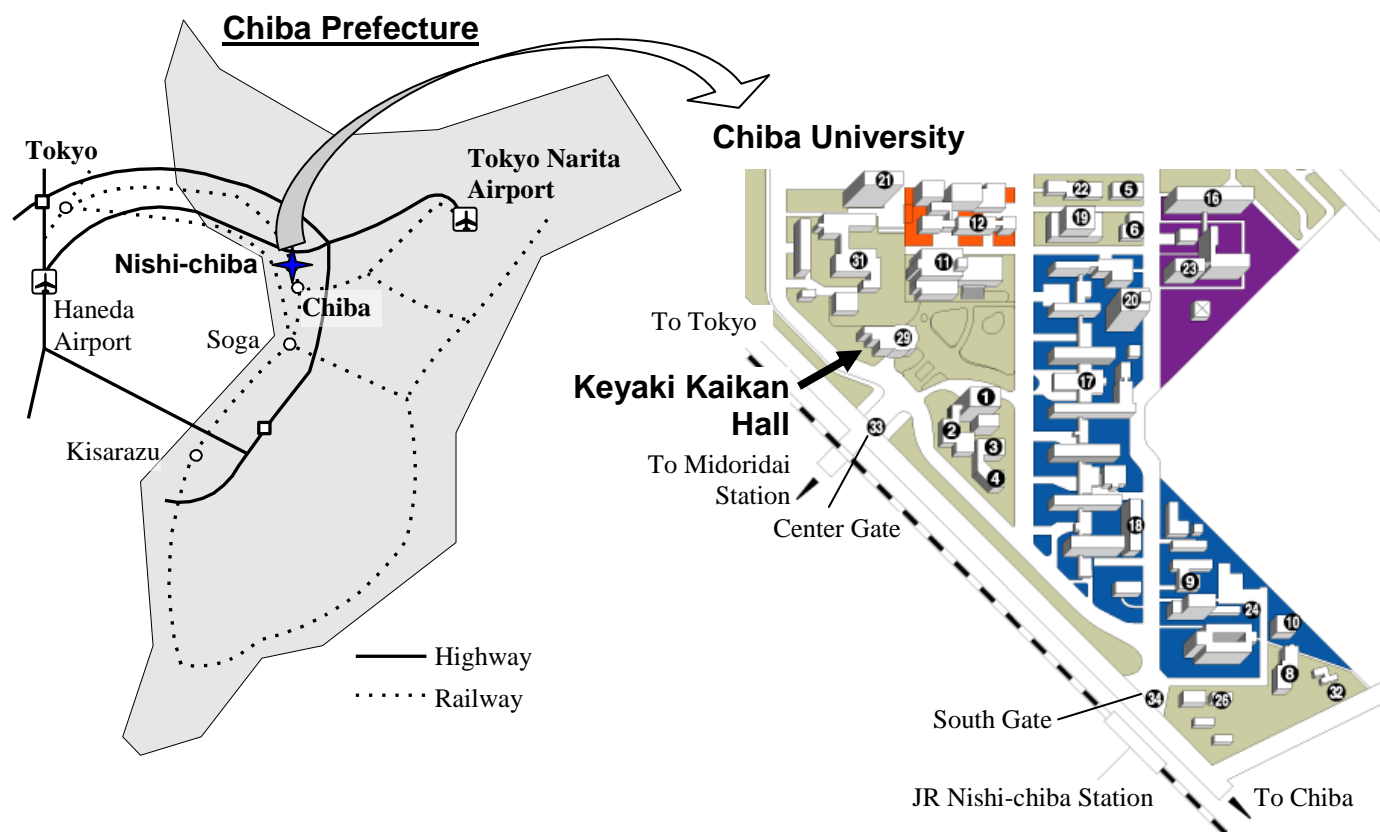


The 15th Symposium on the Society of Iodine Science

September 11, 2012

Keyaki Kaikan Hall in Chiba University, Chiba, Japan



SPONSORED by **SIS** The society of Iodine Science

Chiba University

COSPONSOR : The Chemical Society of Japan

Japan Iodine Industry Association

General Information

The 15th Symposium is organized under the Society of Iodine Science (**SIS**) and is co-sponsored by a number of Chemical Societies and Industries in Japan. Within the framework of the Symposium,

- (a) Keynote lecture / Award lectures / Invited Lectures
- (b) Lectures / Poster Presentations, on original research and applications
- (c) Banquet

will be involved.

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. 18, 2012

Registration Fee (for **SIS** members, including 1 booklet of abstracts; transactions)

Reduced Registration Fee (before August 11, 2012):

SIS -Members	1,000 yen
Members of Co-Sponsored Society [☆]	1,000 yen
Non-members [☆]	5,000 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)

After Aug. 18, extra 1,000 yen is needed in every category. After registration by E-mail or Facsimile, you will pay the reduced registration fee at the symposium reception desk (On-site payment).

Banquet (at KEYAKI Reception Hall, Chiba University):

Every Participants	4,000 yen
(Every Students)	2,000 yen

Time Table (September 11th)

LECTURES KEYAKI Hall (1F)	
9:30~ 9:35	<Opening Address > TSUTOMU ISHIKAWA (Chairman of SIS)
Chair : Y. Kita	
9:35~10:15	<Invited Lecture> M. A. CIUFOLINI (University of British Columbia) “ The Oxidative Amidation of Phenols: Development and Applications ”
Chair : H. Kanoh	
10:15~10:30	<Oral Presentation> H. OZEKI, S. SAKAI, K. TANIGUCHI, T. OKABAYASHI, S. BAILLEUX, D. DUFLOT, W. BAILEY (Toho University; Shizuoka University; University of Lille 1; Kean University) “ Microwave Spectrum of Bromiodomethane, CH₂I₂Br ”
10:30~10:45	<Oral Presentation> H. TOMARU (Department of Earth Sciences, Chiba University) “ Application of ¹²⁹I dating method for Earth Science: Results from the NanTroSEIZE project ”
Chair : K. Ishihara	
10:45~11:25	<Invited Lecture> S. MINAKATA (Graduate School of Engineering, Osaka University) “ A Versatile Reagent, tert-BuOI for Organic Synthesis ”
11:30~12:20	<Short Speeches on Poster Presentations>
POSTER PRESENTATIONS KEYAKI Reception Hall (3F)	
12:00~14:45	Display 12:00~14:45 , Presentation, question and answer 13:15~14:45

COMMENDATION CEREMONY and LECTURES KEYAKI Hall (1F)	
14:55~15:00	Commendation ceremony
Chair : M. Ochiai	
15:00~15:30	<Award Lecture> T. KAIHO (Kanto Natural Gas Development Co., Ltd.) “Development of Functional Iodine Compounds”
Chair : T. Arai	
15:30~15:45	<Oral Presentation> <u>A. NOMOTO</u> , T. FUJIYAMA, A. OGAWA (Department Applied Chemistry, Graduate School of Engineering, Osaka Prefecture University) “Development of Photoinduced CO₂ Fixation Reaction by Alkyl Iodide and Samarium Diiodide”
15:45~16:00	<Oral Presentation> A. KAWAGUCHI (Res. React. Inst., Kyoto University) “Diffusion in Polymer as Mimetic Solvent: -- Roles of Polyiodide Ions Introducing "Dynamic Amphiphilicity" --”
16:00~16:15	<Oral Presentation> <u>S. HIROHARA</u> , K. UDA, M. TANIHARA, M. OBATA, N. TAKAHASHI, A. SHINOHARA, Y. KANAI, J. HATAZAWA, K. KAKIUCHI (Ube National College of Technology; Nara Institute of Science and Technology; University of Yamanashi; Osaka University) “Synthesis of IDG Conjugated Porphyrin Derivatives for Positron Emission Tomography (PET)”
Chair : T. Miyazawa	
15:15~16:55	<Invited Lecture> Y. MURAMATSU (Gakushuin University) “Some considerations of radioiodine released from the Fukushima Daiichi accident”
17:10~19:00	BANQUET KEYAKI Reception Hall (3F)

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 14:45.

Presenters are requested to be at their papers for discussions:

No.	“Title”	Author, Co-authors (Affiliation)
01	“Chiral Bis(Imidazolidine) Pyridine-Metal Complex Catalyzed Enantioselective Iodolactonization”	<u>S. KAJIKAWA</u> , T. ARAI (Graduate School of Science, Chiba University)
02	“Chiral Tin-Catalyzed Asymmetric Mannich-Type Reaction and Additive Effect of Iodine Compounds”	<u>T. SUGITA</u> , N. KUSHIHARA, K. YOSHIDA, A. YANAGISAWA (Graduate School of Science, Chiba University)
03	“Asymmetric Synthesis of Monocerin Using Chiral Hypervalent Iodine”	<u>K. MORI</u> , M. SHIMOGAKI, M. FUJITA, T. SUGIMURA (Graduate School of Material Science, University of Hyogo)
04	“Hofmann-Type Rearrangement of Cyclic Imides Using Hypervalent Iodine (III) Generated in Situ from Iodoarene”	<u>K. ISHIDA</u> , K. MORIYAMA, H. TOGO (Graduate School of Science, Chiba University)
05	“O-Arylation of Alcohols and Phenols Using Unsymmetrical Diaryliodonium Salts”	<u>Y. KAKINUMA</u> , K. MORIYAMA, H. TOGO (Graduate School of Science, Chiba University)
06	“Transylidation of Iodonium Ylides to Iodoarenes”	<u>K. MIYAMOTO</u> , T. OKADA, N. TADA, M. OCHIAI (University of Tokushima)
07	“IBS-Catalyzed Selective Oxidation of Phenols to 1,2-Quinones with Oxone”	<u>M. UYANIK</u> , T. MUTSUGA, K. ISHIHARA (Nagoya University; CREST)

08	<p>“Synthesis of Boron-Functionalized Diaryliodonium Salts and Selective Arylation” M. ITO, <u>Y. TOYODA</u>, I. ITANI, T. DOHI, Y. KITA (College of Pharmaceutical Sciences, Ritsumeian University)</p>
09	<p>“Influence of Linker and Spacer on the Reactivity of Iodobenzene- TEMPO Hybrid Catalyst” <u>N. NODA</u>, A. OZONO, T. FUJIWARA, T. YAKURA (University of Toyama)</p>
10	<p>“Study on Reaction of Iodonium Ylides with HF” K. GONDO, <u>T. KITAMURA</u> (Graduate School of Science and Engineering, Saga University)</p>
11	<p>“Polyfluoromethylation Using a New Fluorination Reagent, IF₅-Pyridine-HF” <u>R. UMEMURA</u>, T. MONTA, S. HARA (Faculty of Engineering, Hokkaido University; Graduate School of Chemical Sciences and Engineering, Hokkaido University; School of Engineering, Hokkaido University)</p>
12	<p>“Trifluoromethylation of Aromatic Ring Using a New Fluorination Reagent, IF₅-Pyridine-HF” <u>C. FUSE</u>, S. HARA (Graduate School of Chemical Sciences and Engineering, Hokkaido University; Faculty of Engineering, Hokkaido University)</p>
13	<p>“Synthesis of Cyclic Carbamates Involving CO₂ Fixation to Unsaturated Amines Using <i>t</i>-BuOI” <u>S. OKUMURA</u>, S.TONE, Y. TAKEDA, S. MINAKATA (Graduate School of Engineering, Osaka University)</p>
14	<p>“Reaction of 1-Ethynyl-2-sulfinylbenzenes with Iodine” S. MATSUMOTO, <u>H. SHIBATA</u>, M. AKAZOME (Graduate School of Engineering, Chiba University)</p>
15	<p>“Synthetic Method for Penta-substituted Cyclopropanes Using Iodine and Application to a Natural Product Synthesis” <u>M. HOSHI</u>, K. UCHIDA, O. KANEKO, S. ARAI, A. NISHIDA (Graduate School of Pharmaceutical Sciences, Chiba University)</p>
16	<p>“One-pot Conversion of Various Bromides into Ketones and Esters with Iodine Reagents” <u>S. DOHI</u>, K. MORIYAMA, H. TOGO (Graduate School of Science, Chiba University)</p>
17	<p>“Environmental Benign Transformation of Alkyl and Aryl Bromides to Nitriles” <u>G. ISHII</u>, K. MORIYAMA, Hideo TOGO (Graduate School of Science, Chiba University)</p>
18	<p>“Hofmann Rearrangement of Aliphatic and Aromatic Carboxamides Using Iminoiodane” <u>A. YOSHIMURA</u>, M. W. LUEDTKE, V. V. ZHDANKIN (University of Minnesota, Duluth)</p>
19	<p>“Synthesis of Aromatic Compounds Using Metathesis Reaction and Iodine Reagents” <u>K. NISHII</u>, Y. KANO, S. WADA, K. YOSHIDA, A. YANAGISAWA (Graduate School of Science, Chiba University)</p>
20	<p>“Synthesis of 1,3-Diarylpropene Using Aryl Iodide/Allyl Ester/Arylboronic Acid by Palladium Catalyzed Reactions with Hydrazone Ligand” <u>T. MINO</u>, K. HIRAI, T. KOGURE, S. SUZUKI, T. FUJITA, M. SAKAMOTO (Graduate School of Engineering, Chiba University)</p>
21	<p>“Halo Aldol Reaction of γ-Alkoxy-α,β-alkynyl Ketone Derivatives Promoted by Titanium Tetraiodide” <u>I. HACHIYA</u>, S. ITO, S. KAYAKI, I. MIZOTA, M. SHIMIZU (Graduate School of Engineering, Mie University)</p>
22	<p>“Development of Synthetic Reactions by Taking Advantage of the Characteristics of Iodine-Selenium Bonds” <u>K. GOTO</u>, K. EBISAWA, S. SASE (Tokyo Institute of Technology)</p>
23	<p>“Design and Synthesis of Opioid Agonists Labeled with Iodine-123” <u>H. TANAKA</u>, S. INOUE, N. KOGURE, M. KITAJIMA, S. HORIE, K. MATSUMOTO, H. TAKAYAMA (Chiba University; Josai International University)</p>
24	<p>“Preparation and Physicochemical Properties of the Complexes of Curdlan Derivatives with Iodine/Iodide” <u>N. KOMIYA</u>, M. ISHII, M. YOKOYAMA, K. TSUCHIYA, H.YAJIMA (Tokyo University of Science)</p>
25	<p>“Complexation of Chitosan/poly-N-isopropyl Acryl amide Graft and Block Copolymers with Iodine and Those Physicochemical Properties” <u>H. KIJIMA</u>, H. SAITO, K. TSUCHIYA, H. YAJIMA (Tokyo University of Science)</p>
26	<p>“Preparation and Physicochemical Properties of the Complexes of Chitosan/PEG Graft and Block Copolymers with Iodine” <u>R. FUKAHORI</u>, S. SAGA, S. UEDA, K. TSUCHIYA, H. YAJIMA (Tokyo University of Science)</p>

27	<p>“Preparation and Physicochemical Properties of Gellan gum-Chitosan Composite Iodine Complexes” <u>H. MORITA</u>, A. IGUCHI, K. TSUCHIYA, H. YAJIMA (Faculty of Science, Tokyo University of Science)</p>
28	<p>“Dependence of the Galactose Side-chain Degradation of Xyloglucan on Physicochemical Characteristics of Xyloglucan-iodine Complex” <u>K. MIKAMI</u>, H. KATO, K. TSUCHIYA, M. SHIRAKAWA, H. YAJIMA (Tokyo University of Science; Graduate School of Chemical Sciences and Technology, Tokyo University of Science; DSP Gokyo Food & Chemical Co., Ltd.)</p>
29	<p>“Analysis of Iodine Complex Formation in Photosensitive PVA Film” <u>N. IWAMURA</u>, K. TSUTUYAMA, Y. SATO, M. MIZUKOSHI, N. ICHIKUNI, S. TAKAHARA (Graduate School of Advanced Integration Science, Chiba University)</p>
30	<p>“I K, L-edge XAFS analysis of PVP-I” <u>H. SAKUMA</u>, T. KANEKO, T. KUBO, K. TAKAHASHI, T. KONISHI, T. FUJIKAWA (Faculty of Science, Chiba University of Science; Ebihara Hospital; Graduate School of Advanced Integration Science, Chiba University)</p>
31	<p>“Theoretical Study on the Excitation Energies and the Transition Moments of Polyiodides and their Complexes” A. IMAI, S. KOWSHI, <u>S. YABUSHITA</u> (Keio University)</p>
32	<p>“Theoretical Study on the Photodissociation Processes of Tri-iodide Anion” S. KOWASHI, <u>S. ABE</u>, M. SUGAWARA, R. NAKANISHI, T. NAGATA, S. YABUSHITA (Faculty of Science and Technology, Keio University; Department of Basic Science, Graduate School of Arts and Sciences, Tokyo University)</p>
33	<p>“Characterization of Iodide Species Formed on SWCNT Electrodes” T. YASUHI, M. LU, T. ITOH, T. OHBA, <u>H. KANO</u>H (Graduate School of Science, and Chemical Analysis Center, Chiba University)</p>
34	<p>“Preparation Method of New Porous Carbons Using Iodide Templates Formed by Iodine Stabilization” <u>T. MATSUMURA</u>, H. SAKANE, O. TANAIKE, N. MIYAJIMA (University of Yamanashi; AIST)</p>
35	<p>“High-Performance Liquid Chromatographic Simultaneous Separation of Iodide and Iodothyronines Using a Reversed-Phase/Weak Anion Exchange Mixed-Mode Column” <u>M. MIYASHITA</u> (Hoshi University)</p>
36	<p>“Determination of Iodide and Total Iodine Concentration in Water Extract from Soil by HPLC-electrochemical Detection” <u>A. TAKEDA</u>, H. TSUKADA, Y. TAKAKU, S. HISAMATSU (Institute for Environmental Sciences)</p>
37	<p>“Identification of Inhibitory Compounds of Diacylglycerol Kinase α Being Involved in the Biosynthesis of Thyroid Hormone with High Probability” <u>K. LIU</u>, M. SATOU, F. SAKANE (Graduate School of Science, Chiba University)</p>
38	<p>“Synthesis and TRAIL resistance-overcoming activity of 5'-I-Fuligocandin B” M. A. ARAI, <u>K. KOMATSUZAKI</u>, H. HANAOKA, Y. ARANO, M. ISHIBASHI (Graduate School of Pharmaceutical Sciences, Chiba University)</p>
39	<p>“Evaluation of Iodine-enriched egg on Type2 Diabetes Mellitus. (The Third Report)” <u>J. YOKOYAMA</u>, M. TOMIOKA, Y. WATABE, H. INOUE (Nosan Corp.; Sch. of Med., St. Marianna University; Grad. Sch. of Med., St. Marianna University)</p>
40	<p>“Wound Healing Effects of Amysel Iodine” <u>M. TAGUCHI</u>, H. YAMAGUCHI, T. KAIHO, M. IGARASHI (Kanto Natural Gas Dev. Co. Ltd.; New Drug Development Research Center, Inc.)</p>
41	<p>“Enzymatic study of Laccases with Iodide-oxidizing Activity” <u>T. TAGUCHI</u>, S. AMACHI (Chiba University)</p>
42	<p>“Estimation of I-131 Deposition through the Analysis of I-129 in Soil Samples Collected from Fukushima Prefecture” <u>N. INAGAWA</u>, Y. MURAMATSU, T. OHNO, C. TOYAMA, M. SATOU, H. MATSUZAKI (Gakushuin University; Fukushima Agricultural Technology Centre; University of Tokyo)</p>

Correspondence

For more information please contact to Secretariat of **SIS** .

Post mail: The Society of Iodine Science-Office
Engineering Research Course Chiba University
1-33 ,Yayoi-cho,Inage-ku,Chiba,263-8522,Japn
Phone : +81-43-290-3402 FAX : +81-43-290-3402
E-mail : sis@fiu-iodine.org
URL : <http://fiu-iodine.org>.