

The 10th Symposium on the Society of Iodine Science

November 16, 17 2007
Chiba University, Chiba, Japan

Time Table (November 16th)

LECTURES KEYAKI Hall (1F)	
9:30~ 9:50	<Opening Address and Keynote lecture> Katsuyuki OGURA (Chairman of SIS, Professor of Chiba Univ.) “An address on Starting the Society of Iodine Science”
Chair : Hideo TOGO	
9:50~10:05	<Lecture> ○T. KITAMURA, Md. D. HOSSAIN (Saga Univ.) “Direct Synthesis of Diaryliodonium Salts from Aromatics and Iodine”
10:05~10:20	<Lecture> ○ I. HACHIYA, S. NISHIURA, H. KUROKAWA, M. SHIMIZU (Mie Univ.) “Reductive Aza-Aldol Reaction of 2-Oxime Aziridine Promoted by Titanium Tetraiodide”
10:20~10:35	<Lecture> ○K. GOTO ¹ , D. SONODA ² , T. KAWASHIMA ² (¹ Tokyo Institute of Technology, ² The Univ. of Tokyo) “Model Study on the Reaction Mechanism of Iodothyronine Deiodinase”
Chair : Katsuyuki OGURA	
10:40~12:00	<Short Speeches on Poster Presentations>
POSTER PRESENTATIONS KEYAKI Reception Hall (3F)	
12:30~14:10	Display 12:00~14:10 , Presentation, question and answer 12:30~14:10
COMMENDATION CEREMONY and LECTURES KEYAKI Hall (1F)	
14:20~14:30	Commendation ceremony
Chair : Hitoshi MITSUI	
14:30~15:20	<Award Lecture> Masahito OCHIAI (University of Tokushima) “Twenty Five Years with Hypervalent Iodine: The Most Excellent Oxidant in Organic Synthesis”
Chair : Mitsuo OHNO	
15:20~15:35	<Lecture> Y.MURAMATSU ¹ , Y.KASHIWAGI ¹ , M.KISHIDA ¹ , M.TAKAHASHI ² , K.KAZAHAYA ² , N.KANEKO ² , T.OHBA ³ (¹ Gakushuin Univ., ² AIST, ³ Tokyo Inst. Technology) “Analysis of Iodine Levels in Edible Seaweeds”
15:35~15:50	<Lecture> U. FEHN (University of Rochester) “Gas hydrates and iodine: Testing for the origin of methane in continental margins”
Chair : Shoji HARA	
15:50~16:05	<Lecture> ○S. MINAKATA ¹ , T. IDE ¹ , M. KOMATSU ² (¹ Osaka Univ., ² Anan National College of Technology)
16:05~16:20	<Lecture> ○H. NAKAYAMA, A. ITOH (Gifu Pharmaceutical Univ.) “Aerobic Photo-oxidation with Fluorescent Lamp in the Presence of Iodine”

Chair : Hiroshi FUKUZAWA	
16:20~16:55	<Invited Lecture> Akira SAKUMA (Godo Shigen Sangyo Co., Ltd.) “The Growth and a New Approach of Iodine Industry in Japan”
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.

Time Table (November 17th)

LECTURES Graduate School of Science and Technology, Building 1 (Conference Room, 1F)	
9:00~ 9:05	Opening Address Tatsuo KAIHO, (Kanto Natural Gas Development Co., Ltd.)
Chair : Masahito OCHIAI	
9:05~9:40	<Invited Lecture> Viktor V. ZHDANKIN (University of Minnesota Duluth) “ New Iodine(V) Oxidizing Reagents for Organic Synthesis ”
9:40~10:15	<Invited Lecture> Berit OLOFSSON (Stockholm University) “Efficient and General One-Pot Synthesis of Diaryliodonium Triflates:Scope and Limitations”
Break (10:15~10:25)	
Chair : Tatsuo KAIHO	
10:25~11:00	<Invited Lecture> Thomas WIRTH (Cardiff University) “Hypervalent Iodine Reagents:Synthesis and Catalysis”
11:00~11:35	<Invited Lecture> Stéphane QUIDEAU (University of Bordeaux) “Hypervalent Iodine Chemistry in Phenol Dearomatization Processes”
Chair : Tsugio KITAMURA	
11:35~12:25	<Award Lecture> Yasuyuki KITA (Osaka University) “New Development of Hypervalent Iodine Chemistry and Green Chemistry”
12:25~ 12:30	Closing Address Katsuyuki OGURA, Chairman of SIS, Professor of Chiba Univ.

Poster Presentation

All posters should be posted between 12:00 and 14:10.

Presenters are requested to be at their papers for discussions:

No.	TITLE ○Author, Co-authors / Affiliation
A01	“Synthesis of Quinones Using a Novel Catalytic Pentavalent Iodine Oxidation” T. YAKURA, ○Y. YAMAUCHI, M. OMOTO, T. KONISHI / Univ. of Toyama
A02	“Effect of Temperature on the Complexation Ability of Xyloglucan with Iodine” ○T. KOBAYASHI ¹ , Y. MISHIMA ¹ , K. UCHIDA ¹ , H. YAJIMA ¹ , Y. YUGUCHI ² / ¹ Tokyo Univ. of Science, ² OECU
A03	“Generation of Alkylidene Carbenoid Species by the Addition of Thiolates to Alkynyliodonium Salts” ○S. SHIMOBABA, T. GUAN, S. HARA / H. Univ.
A04	“Stereoselective Synthesis of Fluoroalkenylboronates Using Fluoroalkenylodonium Salts” ○T. GUAN, M. YOSHIDA, S. HARA / Hokkaido Univ.

A05	“Fluorination of Adamantanes Using IF ₅ ” ○S. HARA / Hokkaido Univ.
A06	“Partial Poly-fluorination Reaction Using IF ₅ ” ○S. HARA , T. FUKUHARA , S. AYUBA / Hokkaido Univ.
A07	“Development of Oxidative Lactone Forming Reaction at Benzyl Positions Using Hypervalent Iodine (III) Reagent” T. DOHI, ○A. GOTO, N. TAKENAGA, Y. KITA / Osaka Univ.
A08	“Formation of Iodonaphthalene Derivatives with 1-ethynyl-2-(2-methylthioethenyl)benzene and Iodine” S. MATSUMOTO, ○M. KIMURA, K. OGURA/ Chiba Univ.
A09	“Vinyllic S _N 2 Reaction of <i>E</i> - and <i>Z</i> -Vinyl-λ ³ -Iodanes “ ○K. MIYAMOTO, M. HIROBE, M. OCHIAI/ Univ. of Tokushima
A10	“Development of All Gas-Phase Iodine Laser” T. MASUDA ¹ , T. UCHIYAMA ¹ , T. NAKAMURA ² , M. ENDO ² / ¹ Keio Univ., ² Tokai University
A11	“Photoelectro Properties of Solution and Polymer Solid-state Dye Sensitized Solar Cell Using Various New Dyes ” Y. NAGAO, ○K. MATSUSHITA, K. KOZAWA, K. ARIMITSU / Tokyo Univ. of Science
A12	Synthesis of New Triphenylamine Hole Transfer Materials and Their Properties as Dye-sensitized Solar Cell” Y. NAGAO, ○S. SUDA, K. KOZAWA, K. ARIMITSU/ Tokyo Univ. of Science
A13	“Antimicrobial Effect of Chitosan-Iodine Complex” ○H.-W. KIM, Y. TAKIGUCHI, T. YAMAGUCHI/ Chiba Institute of Technology
A14	“Properties of Anti-microbial and Tribology of Anodic Coating of Ti-alloy Impregnated with Iodine Compound” M. TAKAYA, ○M. MAEJIMA/ Chiba Institute of Technology
A15	“Synthesis and Properties of a New Ambient-Pressure Organic Superconductor (DIETSe) ₂ [Au(CN) ₄] (DIETSe = diiodo(ethylenedithio)tetraselenafulvalene)” ○T. IMAKUBO, T. SHIRAHATA, M. KIBUNE, H. YOSHINO/ RIKEN
A16	“Studies on Highly Iodine Economical Tandem Radical Additions” ○T. YAJIMA, J. ISHRAT, T. TONOI, K. YAMAGUCHI, H. NAGANO / Ochanomizu Univ
A17	“Synthesis of Fluorinated 5-Membered Heterocycles Using Fluoroalkylidene carbenes” ○K. TAKEMURA, T. GUAN, M. YOSHIDA, H. SENBOKU, S. HARA / Hokkaido Univ.
A18	“Structural Analysis of Iodide-α-Cyclodextrin Inclusion Complexes in Aqueous Soluti” ○T. KANEKO, M. UEDA, S. NAGAMATSU, T. KONISHI, T. FUJIKAWA/ Chiba Univ.
A19	“Iodine Catalyzed Synthesis of Ethers from Allylic Alcohols” Y. KASASHIMA ¹ , K. MURAKAMI ² , T. SASAKI ² , T. NISHIDA ² , T. MINO ² , M. SAKAMOTO ² , ○T. FUJITA ² / ¹ Chiba Institute of Technology, ² Chiba Univ.
A20	“Preparation and Physicochemical Properties of the Complexes of Water-Soluble 6-Amino-6-Deoxychitosan with Iodine” ○A. ISHIGURO, M. MIKI, Y. MISHIMA, K. UCHIDA, H. YAJIMA / Tokyo Univ. of Science
A21	“Preparation of Composite Structure Applied with "Polyiodide/Hydrophilic Polymer"[II] “ A. KAWAGUCHI ¹ , Y. GOTOH ² / ¹ Kyoto Univ., ² Shinshu Univ.
A22	“Preparation of Film-typed Carbon Product by Iodine Treatment of Cellulose” ○N. ISHIKAWA, N. MIYAJIMA, H. SAKANE / Univ. of Yamanashi
A23	“SmI ₂ -Mediated Cyclopropanation of 1,3-Dihalopropanes” ○T. OHKITA, H. TOGO / Chiba Univ.

A24	<p>“PhI-Catalyzed Cyclization of N-methoxy-2-arylethanesulfonamides with <i>m</i>CPBA”</p> <p>○A. MORODA, H. TOGO / Chiba Univ.</p>
W01	<p>“Analysis of Iodine Concentrations in Rainwater and Snow by ICP-MS”</p> <p>○S.KOIKE¹, Y.MURAMATSU¹, Y.YAMAMOTO¹, Y.KASHIWAGI¹, H.MOTOYAMA² / ¹Gakushuin Univ.; ²National Institute of Polar Research</p>
W02	<p>“Studies of Dietary Iodine Intakes for One month on Japanese Women Students”</p> <p>○N. TSUKADA, Y. URAKAWA/ Kamakura Women’s Univ.</p>
W03	<p>“The Elution of Iodine from Sea Tangle into Broth by Heat-Cooking”</p> <p>○M. ITOH, K. KAWAI/ Chukyo Women's Univ.</p>
W04	<p>“Evaluation of Iodine-enriched egg on Type2 Diabetes Mellitus”</p> <p>○J. YOKOYAMA¹, M. SHIMOKAWA², M. TOMIOKA², H. INOUE² / ¹Nosan corp., ²St. Marianna University School of Medicine</p>
W05	<p>“Studies on the Iodide Accumulation Mechanism in Marine Algae:Haloperoxidase Activity and Iodine Content in Various Marine Algae”</p> <p>○K. YAMASHITA, C. IGARASHI, N. FUJIMOTO, A. YAMAMOTO, T. YOKOYAMA, N. KAN-NO / Kitasato univ.</p>
W06	<p>“Effect of iodine application on the growth and absorption of several vegetables cultivated in hydroponic condition”</p> <p>○R. FUNAI¹, Y. SHINOHARA¹, T. MARUO¹, H. YAMAGUCHI² / ¹Chiba Univ., ²Kanto Natural Gas Development Co., Ltd.</p>
W07	<p>“Reduction of Iodate in the Rhizosphere of Rice Plant”</p> <p>H. SEKIMOTO¹, ○S. ISHIKAWA¹, S. KATOU¹, S. YOSHIDA² / ¹Utsunomiya Univ., ²National Institute of Radiological Sciences</p>
W08	<p>“A Study on the Seed Disinfection with Gaseous Iodine”</p> <p>○H. YAMAGUCHI¹, Y. TERASAWA² / ¹Kanto Natural Gas Development Co., Ltd., ²KANEKO SEEDS Co., Ltd.</p>
W09	<p>“Application of a Novel Iodine Disinfection System for Agricultural Sectors”</p> <p>○J. FRANKS¹, H.YAMAGUCHI², T. KAIHO² / ¹IOTEQ IP Pty Ltd., ²Kanto Natural Gas Development Co., Ltd.</p>
W10	<p>“The Correlation between Iodide Sorption Capacity and Laccase Activity in Soils”</p> <p>○J. OIKAWA, S. AMACHI, T. FUJII / Chiba Univ.</p>