

The 11th Symposium on the Society of Iodine Science

November 7, 2008
Chiba University, Chiba, Japan

Time Table (November 7th)

LECTURES KEYAKI Hall (1F)	
9:30~ 9:40	<Opening Address > KATSUYUKI OGURA (Chairman of SIS)
Chair : Y.MURAMATU	
9:40~10:10	< Invited Lecture> ○S.NAGATAKI (Nagasaki Univ.) “ Iodine and the Thyroid: Dietary Iodine Intake in Japan ”
Chair : M.OONO	
10:10~10:25	<Lecture> ○ C. KUBO (Society of the study of Pressure Ulcers (non profit organization)) “Development of special form that delivery povidone-Iodine to bacteria ,protecting important protein ”
10:25~10:40	<Lecture> ○M. SHIBATA (Chiba Institute of Technology) “Preparation and properties of iodine-based polarizing films using poly(vinyl alcohol)-silica hybrid composites”
Chair : M.HARA	
10:45~11:45	<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)	
14:30~14:40	Commendation ceremony
Chair : A.SAKUMA	
14:40~15:10	<Award Lecture> H. KODAMA, K.TSUBATA, A.YOSIURA (Nihon Nohyaku Co., Ltd.), N.TADUCHI (Nippou Chemicals Co., Ltd.) “Development of manufacturing process of highly efficient iodinating reagent DIH ”
Chair : T.KITAMURA	
15:10~15:25	<Lecture> S.NANPOU (Oosaka Univ.) “Atmospheric CO ₂ Fixation to Unsaturated Alcohols Using t-BuOI ”
15:25~15:40	<Lecture> I. HACHIYA (Mie University) “Enantioselective Reformatsky Type Reaction Using Chiral Titanium Iodides”
15:40~15:55	<Lecture> ○K. MIYAMOTO (Tokushima Univ.) “Iodomethylene-catalyzed oxidative cleavage of carbon-carbon multiple bonds”

15:55~16:10	<Lecture> ○N. HAYAMA (Kyoto Pharmaceutical Univ.) “Todomesitylene-catalyzed oxidative cleavage of carbon-carbon multiple bonds”
Chair : T.KAIHOU	
16:10~17:00	<Invited Lecture> Prof. Dr. med. Michael Zimmermann (Swiss Federal Institute of Technology (ETH)) “The Iodine Deficiency Disorders: global prevalence, adverse effects on women and children, and progress on universal salt iodization”
17:15~19:00	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 14:20.

Presenters are requested to be at their papers for discussions:

No.	TITLE	○Author, Co-authors / Affiliation
01	“Oxidative C-C bond forming reactions of phenols catalyzed by active organoiodine (III) species”	H. DOI ^{1,2} , ○Y.MINAMITUJI ¹ , A. MARUYAMA ¹ , T. HIROSE ¹ , H.FUJIOKA ¹ , H. KITA ² / 1)Oosaka Univ.2)Ritumeikan Univ.
02	“Oxidative Dimerization of Substituted Thiophenes:High Control of the Regioselectivity and Recycling of the Reagents”	H. DOI ^{1,2} , ○C. OGAWA ¹ , K. MORIMOTO ¹ , H. FUJIOKA ¹ , H. KITA ² / 1) Oosaka Univ. 2)Ritumeikan Univ.
03	“Catalytic hypervalent iodine oxidation of p-substituted phenol derivatives to p-quinols using 4-iodophenoxyacetic acid and Oxone”	○T. YAKURA, M. OMOTO / Toyama Univ.
04	“Reaction of fluoroalkylideneiodonium ylides with aldehydes”	○S. SIMOBABA, S. HARA / Hokkaido Univ.
05	“Domino difluorination reaction based on Pummerer type fluorination and desulfurizing fluorination by IF5: gem-difluorination of benzyl sulfides”	○T. FUKUHARA, S. HARA / Hokkaido Univ.
06	“Transformation of benzylalcohols to imines with iminoiodanes”	○M. YOSHIDA, Y. OHNO, S. HARA / Hokkaido Univ.
07	“Synthetic Study of (±)-Lundurine A: I ₂ -Mediated Intramolecular Cyclopropanation as a Key Reaction”	○O. KANEKO, T. TABUCHI, S. ARAI, A.NISHIDA / Chiba Univ.
08	“New Synthesis of Malonic Acid Derivatives with Iodine”	A. ITOH, H. NAKAYAMA, ○N. KANAI / Gifu Pharmaceutical Univ.
09	“Formation of Iodobenzen Derivatives from 3-Aryl-1-(methylthio)-1,3-hexadien-5-yne with Iodine Molecule”	S. MATSUMOTO, ○H. NISHIMURA, K. OGURA / Chiba Univ
10	“Iodoarene-catalyzed One-pot preparation of oxazoles from ketones in nitriles using mCPBA”	○Y. KAWANO, H. TOGO / Chiba Univ.
11	“Iodine-catalyzed Acylation of Cellulose and Cyclodextrins”	Y. IDE, T. KOGA ○T. KITAMURA / Saga Univ.
12	“Molecular iodine-catalyzed benzylation of 1,3-dicarbonyl compounds”	Y. KASAJIMA ¹ , Y. YOKOYAMA ² , K. TOMISAKI ² , T. MINO ² , M. SAKAMOTO ² , ○T.FUJITA ² / 1)Chiba Institute of Technology,2) Chiba Univ.

13	“Synthesis of fluorine-containing compounds based on the radical addition using perfluoroalkyl iodides” ○K. YAMAGUCHI, T. YAJIMA, H. NAGANO / Ochanomizu Univ.
14	“Elucidation of the Reactivities of a Selenenyl Iodide and Related Compounds by Utilizing a Nano-sized Molecular Cavity” ○K. GOTO, D. SONODA, S. SASE, T. KAWASHIMA / Tokyo Institute of Technology
15	“Unique nanostructures based on diiodotriphenylene derivatives” ○J. YAMAKAWA, Y. HANAI, M. TAKASE, T. NISINAGA, M. IYODA / Tokyo Metropolitan Univ.
16	“Synthesis of Triphenylamine Hole Transport Materials and Their Properties for Dye-sensitized Solar Cell” Y. NAGAO, ○S. SUDA, K. KOZAWA, A. ARIMITSU / Tokyo University of Science
17	“Synthesis of Aminobiphenyl Hole Transport Materials and Their Properties for Dye-sensitized Solar Cell” Y. NAGAO, ○N. SUGAWARA, K. KOZAWA, K. ARIMITSU / Tokyo University of Science
18	“Molecular Weight and Amination Effects of Chitosan on the Physicochemical Properties of Its Iodine Complexes” ○A. ISHIGURO, M. MIKI, Y. MISHIMA, K. UCHIDA, H. YAJIMA / Tokyo University of Science
19	“Effect of side chain of xyloglucan to the physicochemical properties of xyloglucan-iodine complex” ○H. SATOU ¹ , K. UCHIDA ¹ , H. YAJIMA ¹ , Y. YUGICHI ² / 1)Tokyo University of Science, 2)OECU
20	“Mechanochemical synthesis of iodoapatite” ○Y. SUETUGU / Biomaterials Center, National Institute for Materials Science
21	“Analysis of PVA-iodine film with I K-edge polarization dependence XANES spectra “ ○T. MIKI, K. OISHI, S. NAGAMATU, T. AKATUKA, T. KONISHI, T. ITAYA, T. FUJIKAWA / Chiba Univ.
22	“XAFS analysis of halide ion-cyclodextrin inclusion complexes in aqueous solution” ○T. KANEKO, M. UEDA, S. NAGAMATU, T. KONISHI, T. FUJIKAWA, N. MIZUMAKI / Chiba Univ.
23	“Effect of Prepared Condition on Characteristic of Aluminium Anode Oxide Film Impregnate With Iodine” ○N. MATUMOTO ¹ , Y. IKEDA ¹ , D. SASAKI ¹ , K. YOSIDA ² , K. HASHIMOTO ¹ , M. TAKAYA ¹ Y. TODA ¹ / 1) Chiba Institute of Technology 2) Tokyo Institute of Technology
24	“Microbial and tribological properties of ADC12 anodizing film impregnated with iodine compounds” M. TAKAYA, ○M. MAEJIMA / Chiba Institute of Technology
25	“Separation characteristics of iodide and iodoamino acids on reversed-phase high-performance liquid chromatography with alkylammonium salt-containing mobile phases” ○M. MIYASITA, Y. SEYAMA / Hoshi Univ.
26	“Spectrometric flow analysis of metal ions by detection of iodide ion” ○N. OKUDA, K. NAGASIMA, M. KAMAYA / Kogakuin Univ.
27	“Measurement of small-signal gain in the active medium of all gas-phase iodine laser (AGIL)” ○T. NAKAMURA ¹ , M. ENDO ¹ , T. MASUDA ² , T. UCHIYAMA ² / 1)Tokai Univ. 2)Keio Univ.
28	“Study of Iodine-enriched egg “Hikari” on a experimental hepatic disorder. “ ○J. YOKOYAMA ¹ , H. WACHI ² , Y. SEYAMA ² , / 1)Nosan corp., 2)Hoshi Univ.
29	“Examination of the separation method of the functional protein in iodine-enriched egg “Hikari”.” ○N. TSUKADA ¹ , M. YAMAGUCHI ¹ , K. TOU ¹ , K. MIZUMACHI ¹ , J. YOKOYAMA ² / 1)Kamakura Univ. 2) Nosan corp.
30	“Origin of Iodine in Volcanic Fluids of Kusatsu-Shirane volcano, suggested by the ¹²⁹ I/I ratio” ○Y. KASIWAGI ¹ , Y. MURAMATSU ¹ , T. OHBA ² , U. FEHN ³ / 1)Gakushuin Univ., 2)Tokyo Institute of Technology, 3)Rochester Univ.
31	“Analyses of ¹²⁷ I and ¹²⁹ I in environmental samples by ICP-MS and AMS” ○E. ITO ¹ , Y. MURAMATSU ¹ , Y. TAKADA ¹ , H. MATSUZAKI ² / 1)Gakushuin Univ., 2)Tokyo Univ.

32	<p>“Variation of Iodine Levels in Sea Mustards of Different Growing Stage”</p> <p>○M. FUKUSHIMA¹, A. CHATT²/ 1)Ishinomaki Senshu Univ. , 2)Dalhousie Univ.</p>
33	<p>“Emission of CH₃I from agricultural plants including the paddy rice, wheat and daikon radish, catalyzed by S-adenosylmethionine (SAM): halide ion methyltransferase (HMT).”</p> <p>N.ITOH , ○H. TODA , M. MATSUDA , T. TANIGUCHI , N. OSAWA / Toyama Prefectural Univ.</p>
34	<p>“A novel antimicrobial enzyme system: “IOE” and iodide”</p> <p>○C. SHIMONAKA , K. SEKI , K. TANAKA , S. AMACHI / Chiba Univ.</p>
35	<p>“Iodate respiration by Pseudomonas sp. SCT”</p> <p>○A. HORIUCHI , K. TANAKA , S. AMACHI / Chiba Univ.</p>
36	<p>“Corrosion of metal by iodide-oxidizing bacteria isolated from iodine-producing facility”</p> <p>○ S. WAKAI¹ , K. ITO² , T. IINO¹ , Y. TOMOE³ , S. HARAYAMA¹</p> <p>/ 1)National Institute of Technology and Evaluation , 2)Nippon Steel Co. , 3)INPEX Co.</p>