

The 13th Symposium on the Society of Iodine Science

November 9, 2010
Chiba University, Chiba, Japan

Time Table (November 9th)

LECTURES KEYAKI Hall (1F)	
9:15~ 9:20	<Opening Address > NAOFUMI TANAKA (Chairman of SIS)
Chair : T. FUJIKAWA	
9:20~10:05	<Invited Lecture> L. GUAN (Chinese Academy of Sciences) “ Polymorphic Structures of Iodine and Their Chemical Reactions Inside Single-walled Carbon Nanotubes ”
10:05~10:20	<Lecture> <u>T. ITOH</u> , T. YASUSHI, M. LU, T. OHBA, T. FUJIMORI, K. KANEKO, H. KANOH (Shinshu Univ., Grad. Sch. Sci., Chiba Univ.) “ Spectroelectrochemical Properties of Single Wall Carbon Nanotube-Based Film Electrode on Iodine-Related Redox Reaction ”
Chair : T. Kanoh	
10:20~10:35	<Lecture> <u>T. KAIHO</u> , M. TAGUCHI, H. SANBE, Y. TERADA, M. TAKAKU, O. INOUE (Kanto Natural Gas Dev., Ezaki Glico, Omikenshi) “ Utilization of Polyiodide and Amylose Complex ”
10:35~11:20	<Invited Lecture> H. MAEKAWA (Tohoku Univ.) “ Lithium Fast-ion Conduction of Iodide Doped Hydrides ”
11:20~12:30	<Short Speeches on Poster Presentations>
POSTER PRESENTATIONS KEYAKI Reception Hall (3F)	
12:00~14:35	Display 12:00~14:35 , Presentation, question and answer 13:05~14:35
COMMENDATION CEREMONY and LECTURES KEYAKI Hall (1F)	
14:45~14:55	Commendation ceremony
Chair : T. Ishikawa	
14:55~15:25	<Award Lecture> <u>J. YOKOYAMA</u> , K. SEKIMOTO, T. ISHIKAWA (Nosan Corp.) “ Development of the Hikari Brand of Iodine-enriched Eggs and Its Utility as a Functional Food ”
Chair : T. Arai	
15:25~15:40	<Lecture> <u>M. UYANIK</u> , H. OKAMOTO, T. YASUI, K. ISHIHARA (Nagoya Univ., CREST) “ Quaternary Ammonium (Hypo)iodite Catalysis for Enantioselective Oxidative Cycloetherification ”
15:40~15:55	<Lecture> <u>I. HACHIYA</u> , T. INAGAKI, M. SHIMIZU (Graduate School of Engineering, Mie Univ.) “ Titanium Tetraiodide Promoted Reductive Enolate Formation of Alkoxy Ketone Derivatives and Their Reaction ”

15:55~16:10	<Lecture> <u>N. TADA</u> , M. SHOMURA, T. MIURA, A. ITOH (Gifu Pharmaceutical Univ.) “Tandem Oxidation-Rearrangement of 1,3-Diketons to 1,2-Diketones in the Presence of cat. Iodine”
16:10~16:25	<Lecture> <u>N. TANIFUJI</u> , K. YAMAMOTO, E. TERAMOTO (Department of Materials Science, Yonago National College of Technology) “Synthesis of Thiosulfonates Using Elemental Iodine Under Solvent-free Conditions”
Chair : M. Ochiai	
16:25~17:10	<Invited Lecture> J. YOSHIDA (Kyoto Univ.) “Production of Aromatic Iodides Using Electrochemical Oxidation and Microreactors”
17:30~19:00	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	“Chiral Tin Iodide-Catalyzed Asymmetric Mannich-Type Reaction and Related Reactions”	<u>A. YANAGISAWA</u> , A. IZUMISEKI, N. KUSHIHARA, Y. OYOKAWA, K. YOSHIDA (Graduate School of Science, Chiba Univ.)
02	“Novel Perfluoroalkylation of Aromatic Compounds Using IF₅”	<u>R. TAHARA</u> , T. FUKUHARA, S. HARA (Faculty of Engineering, Hokkaido Univ.)
03	“A New Use of MT-Sulfone As a Trifluoromethyl Anion Equivalent”	<u>Y. IMAGAWA</u> , Y. YOSHIKAWA, T. FUKUHARA, S. HARA (Faculty of Engineering, Hokkaido Univ.)
04	“Synthesis of Fluorine-containing Building Block by Anodic Iodofluorination Using SPE Electrolytic Method”	<u>Y. ISHIGURO</u> , S. KURIBAYASHI, S. INAGI, T. FUCHIGAMI (Tokyo Institute of Technology)
05	“Synthesis of 4-Iodotetrahydropyran-Containing Polymers”	<u>N. TAKEI</u> , S. INAGI, T. FUCHIGAMI (Department of Electronic Chemistry, Tokyo Institute of Technology)
06	“Electrochemical Fluorination Using Recyclable Hypervalent Iodobenzene”	<u>T. SAWAMURA</u> , S. INAGI, T. FUCHIGAMI (Department of Electronic Chemistry, Tokyo Institute of Technology)
07	“Direct <i>para</i>-Selective Fluorination of 3-Phenylpropyl Ethers with Activated Iodosylbenzene Monomer”	<u>M. SAITO</u> , K. MIYAMOTO, M. OCHIAI (Univ. of Tokushima)
08	“Convenient Fluorination of Ketones Mediated by Hypervalent Iodine”	<u>T. KITAMURA</u> , S. KURIKI, Y. TAZAWA (Saga Univ.)
09	“Recycle-Type Oxidation of Alcohols to Aldehydes”	T. DOHI, <u>K. FUKUSHIMA</u> , T. KAMITANAKA, N. WASHIMI, Y. KITA (College of Pharmaceutical Sciences, Ritsumeikan Univ.)
10	“Ni(0)-Catalyzed Synthesis of α-Iodo-β-cyanocarbonyl Compounds”	<u>Y. WATANABE</u> , K. HOSHINO, T. ARAI (Graduate School of Science, Chiba Univ.)
11	“Selective Synthesis of Azafulleroids from C₆₀ via <i>N</i>-Iodination of Amides”	<u>T. NAGAMACHI</u> , S. MINAKATA (Graduate School of Engineering, Osaka Univ.)
12	“Direct Oxidation of Primary Alcohols to Carboxylic Acids Using TEMPO and Iodoarene as Double Catalysts”	<u>T. YAKURA</u> , A. OZONO, K. SAITO, W. NIU (Univ. of Toyama)
13	“Influence of Generation Method of Hydrogen Iodide in the Synthesis of Dihydroquinoline Derivatives”	S.MATSUMOTO, <u>T. MORI</u> , M. AKAZOME (Graduate School of Engineering, Chiba Univ.)

14	<p>“An Efficient Preparation of Chromane Derivatives from 3-Aryl-1-propanols and Related Compounds with 1,3-Diiodo-5,5-dimethylhydantoin under Irradiation Conditions” <u>S. FURUYAMA</u>, K. MORIYAMA, H. TOGO (Graduate School of Science, Chiba Univ.)</p>
15	<p>“A Novel Metal-free One-pot Conversion of Primary Alcohols into Amides via Nitriles with Molecular Iodine or DIH and H₂O₂ in aq. NH₃” <u>R. OHMURA</u>, K. MORIYAMA, H. TOGO (Graduate School of Science, Chiba University)</p>
16	<p>“Synthesis of Thiosulfonates Using Elemental Iodine and Its Application” <u>K. YAMAMOTO</u>, E. TERAMOTO, N. TANIFUJI (Department of Materials Science, Yonago National College of Technology)</p>
17	<p>“Aerobic Photo-oxidative Syntheses of Phenacyliodides Using Molecular Iodine” <u>T. NOBUTA</u>, N. TADA, T. MIURA, A. ITOH (Gifu Pharmaceutical Univ.)</p>
18	<p>“Synthesis of 2,4-Diiodoquinoline Derivatives via Photoinduced Iodinating Cyclization of <i>o</i>-Alkynylaryl Isocyanides” <u>T. MITAMURA</u>, A. OGAWA (Osaka Prefecture Univ.)</p>
19	<p>“Iodine-catalyzed Synthesis of Amides from Nitriles and Esters” Y. KASASHIMA, K. TOMONO, T. MINO, M. SAKAMOTO, <u>T. FUJITA</u> (Chiba Institute of Technology; Chiba Univ.)</p>
20	<p>“Iodine-catalyzed Reaction of Terpene Alcohols with α-Vinylbenzyl alcohol” Y. KASASHIMA, H. MIZUSHIMA, K. TOMISAKI, T. MINO, M. SAKAMOTO, <u>T. FUJITA</u> (Chiba Institute of Technology; Chiba Univ.)</p>
21	<p>“Iodine-catalyzed esterification of terpenic 3-hydroxy acids” Y. KASASHIMA, <u>K. TOMISAKI</u>, H. MIZUSHIMA, T. MINO, M. SAKAMOTO, T. FUJITA (Chiba Institute of Technology; Chiba Univ.)</p>
22	<p>“Iodine-induced Pyrrolidine Ring Construction” <u>Y. KONDO</u>, T. KUMAMOTO, N. KAGAWA, N. SUZUKI, T. ISHIKAWA (Graduate School of Pharmaceutical Sciences, Chiba Univ.)</p>
23	<p>“Benzylic Oxidation with Hypervalent Iodine Reagents” <u>A. KUROSAWA</u>, T. KUMAMOTO, N. KAGAWA, N. SUZUKI, T. ISHIKAWA (Graduate School of Pharmaceutical Sciences, Chiba Univ.)</p>
24	<p>“Development of a New Procedure to Mask the Indole Nucleus and Its Application” <u>S. INOUE</u>, N. OKADA, K. MIASAWA., M. KITAJIMA, H. TAKAYAMA (Graduate School of Pharmaceutical Sciences, Chiba Univ.)</p>
25	<p>“Physical Properties and Recyclability of Supramolecular Organic Conductors (DIP)₃(PF₆)_x(solvent)_y” <u>R. MURAYAMA</u>, T. IMAKUBO (Nagaoka Univ. of Technology)</p>
26	<p>“Effect of Galactose Side Chains of Xyloglucan on Physicochemical Characteristics of Xyloglucan-iodine Complex” <u>H. KATO</u>, K. UCHIDA, K. TSUCHIYA, H. YAJIMA, Y. YUGUCHI (Tokyo Univ. of Science; Osaka Electro-Communication Univ.)</p>
27	<p>“Preparation and Physicochemical Properties of the Complexes of Chitosan-g-PEG Copolymer and Iodine” <u>S. UEDA</u>, K. UCHIDA, K. TSUCHIYA, H. YAJIMA (Tokyo Univ. of Science)</p>
28	<p>“Carbonization of Iodine-cellulose Complexes and Their Pore structure” <u>K. JINGUJI</u>, N. MIYAJIMA, Y. KOUWAKI, H. SAKANE, O. TANAIKE (Univ. of Yamanashi; AIST)</p>
29	<p>“Injection of Metallic Ions into Iodinated Polymers -- Suggestion as Mimetic Solvent to Diffuse Ions” A. KAWAGUCHI (Kyoto Univ.)</p>
30	<p>“Thermal Reaction of Polymer-Iodine Complex in Film” <u>M. MIZUKOSHI</u>, Y. SATO, T. NAGANO, N. ICHIKUNI, S. TAKAHARA (Chiba Univ.)</p>
31	<p>“Theoretical Study on the Excitation Energies and the Transition Moments of Polyiodine in the Gas Phase and the I-PVA Film” A. IMAI, S. KOWASHI, <u>S. YABUSHITA</u> (Keio Univ.)</p>
32	<p>“Local Structure Analysis of I-PVA Film” <u>K. HEANG</u>, K. OISHI, K. TAKAHASHI, T. MIKI, T. KONISHI, T. ITATANI, T. ISOZAKI, T. FUJIKAWA (Graduate School of Advanced Integration Science, Chiba Univ.; Kuraray Co. Ltd)</p>
33	<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 Univ.)</p>

34	<p>“Charge Transfer Interaction between SWCNH and Iodine Molecules” <u>F. KHOERUNNISA</u>, T. FUJIMORI, T. ITOH, T. OHBA, H. KANO, M. YUDASAKA, S. IJIMA, K. KANEKO (Department of Chemistry, Graduate School of Science, Chiba Univ.; Exotic Nanocarbon Research Center, Shinshu Univ.; Nanotubes, Research Center, AIST; Department of Material Science and Engineering, Meijo Univ.)</p>
35	<p>“Electron Density Control of SWCNT with Liquid Phase Molecular Adsorption” <u>M. LU</u>, T. OHBA, H. KANO, K. HATA, M. YUMURA, S. IJIMA, H. KOMATSU, A. SAKUMA, K. KANEKO (Department of Chemistry, Graduate School of Science, Chiba Univ.; Center of Advanced Carbon Materials, AIST; Meijo Univ.; Technology Center. Godo Shigen Co.; Exotic Nanocarbon Research Center, Shinshu Univ.)</p>
36	<p>“Screening Study for Iodine-containing Bioactive Natural Products” <u>C. SHIMODA</u>, K. TOUME, M. ISHIBASHI (Graduate School of Pharmaceutical Sciences, Chiba Univ.)</p>
37	<p>“Thyroid Hormone Biosynthesis Is Regulated by Diacylglycerol Kinase” <u>M. SATO</u>, F. SAKANE (Graduate School of Science, Chiba Univ.)</p>
38	<p>“Isolation and Characterization of S-Adenosylmethionine-dependent Halide/thiol Methyltransferase (HTMT) Coding Gene from Marine Diatom <i>Phaeodactylum tricornutum</i>: CH₃I Formation Mechanism in Ocean” <u>H. TODA</u>, N. ITOH (Toyama Prefectural Univ.)</p>
39	<p>“Evaluation of Methanolic Mobile Phases for Use in Reversed-phase High-performance Liquid Chromatographic Determination of Iodide” <u>M. MIYASHITA</u>, T. OBATA (Hoshi Univ.; Ohu Univ. School of Pharmaceutical Sciences)</p>
40	<p>“The Absorber for Radioactive Iodine Gas” <u>M. MOGI</u>, Y. IZUMI, K. IKEDOU (Japan Environment Research Co.; Chubu Electric Power Co.)</p>
41	<p>“Development of a Probe for Noninvasive Measurement of the Iodide Efflux from the Brain” <u>T. OKAMURA</u>, T. KIKUCHI, K. NAGATSU, M. OKADA, H. WAKIZAKA (National Institute of Radiological Sciences)</p>
42	<p>“Relationship between Iodine Intake from Food and Urinary Excretion in Human Studies” <u>Y. URAKAWA</u>, J. YOKOYAMA, N. TSUKADA (Kamakura Women’s Univ., Nosan Corporation)</p>
43	<p>“Kinetic Analysis of Iodide-oxidizing Enzyme Purified from <i>α-Proteobacterium</i> strain Q-1” <u>M. SUZUKI</u>, S. OSAWA, K. TANAKA, S. AMACHI (Chiba Univ.)</p>
44	<p>“Detailed Mechanism of Iodate Respiration by <i>Pseudomonas</i> sp. SCT” <u>A. HORIUCHI</u>, K. TANAKA, S. AMACHI (Chiba Univ.)</p>
45	<p>“Migration of Iodine in Diatomaceous and Siliceous Shales based on Speciation and ¹²⁹I/¹²⁷I Analysis” <u>Y. SHIMAMOTO</u>, Y. TAKAHASHI, Y. AMANO, H. MATSUZAKI, Y. MURAMATSU, T. IWATSUKI (Hiroshima Univ.; JAEA; Univ. of Tokyo, Gakushuin Univ.)</p>
46	<p>“Depth Profiles of Iodine (¹²⁷I and ¹²⁹I), Bromine and Some Other Elements in Pore Waters Collected from Sediments of Gas Hydrate Areas, Japan Sea” <u>H. ANZAI</u>, Y. MURAMATSU, T. SEKIYA, R. MATSUMOTO, H. TOMARU, H. MATSUZAKI (Gakushuin Univ.; Department of Earth and Planetary Science, Univ. of Tokyo; MALT, Univ. of Tokyo)</p>
47	<p>“Analysis of Iodine, Bromine and Chlorine in Sedimentary Rocks and Sediments by Pyrohydrolysis” <u>T. SEKIYA</u>, Y. MURAMATSU, H. ANZAI, R. MATSUMOTO, H. TOMARU (Gakushuin Univ.; Univ. of Tokyo)</p>
48	<p>“Analyses of Iodine in Soil and Its Sorption Experiments” <u>E. ITO</u>, Y. MURAMATSU, H. MATSUZAKI, Y. SHIMAMOTO³, Y. TAKAHASHI (Gakushuin Univ.; The Univ. of Tokyo; Hiroshima Univ.)</p>
49	<p>“Secular Variations of Iodine in Atmospheric Fallout in Tokyo” <u>Y. UCHIDA</u>, C. TOYAMA, Y. MURAMATSU, Y. IGARASHII (Gakushuin Univ.; Meteorological Research Institute)</p>