

# The 8th International Symposium on Iodine Utilization

October 4, 2005  
Chiba University, Chiba, Japan

## Time Table

<b>LECTURES KEYAKI Hall (1F)</b>	
9:30~9:35	Opening Address Toyoki KOZAI, The President of Chiba Univ.
Chair : Tatsuo KAIHO	
9:35~10:25	<Invited Lecture> Hanns-Joachim Weinmann (Schering AG, Germany) “Contrast Agents for Computed Tomography, from the Past to the Future”
Chair : Tsugio KITAMURA	
10:25~10:40	<Lecture> ○K. MIYAMOTO, Y. NISHI, T. SUEFUJI, M. OCHIAI (Univ. of Tokushima) “Tandem Michael Carbene Rearrangement Mechanism: An New Interpretation of Wipf Thiazole Synthesis”
10:40~10:55	<Lecture> ○M. KIRIHARA, A. HARANO, H. TSUKIJI, R. TAKIZAWA, T. UCHIYAMA, Y. UCHIYAMA, A. HATANO (Shizuoka Institute of Technology) “Deprotection of Thioacetals with the Hydrogen Peroxide Catalyzed by Tantalum(V) Chloride-iodide Ion”
10:55~11:10	<Lecture> ○T. HARADA, K. MIZUNASHI, C. KITANO (Kyoto Institute of Technology) “Alkynyllithium-catalyzed Cycloisomerization of 1,ω-Diidoalkynes”
11:10~11:25	<Lecture> ○K. MAKINO, Y. HIROKI, M. IWASAKI, Y. HAMADA (Chiba Univ.) “Catalytic Asymmetric Anti-selective Hydrogenation via Dynamic Kinetic Resolution”
Chair : Katsuyuki OGURA	
11:25~12:15	<Invited Lecture> Hideo.TANAKA (Okayama Univ.) “Iodine-mediated Oxidation/Reduction”
<b>POSTER PRESENTATIONS KEYAKI Reception Hall (3F)</b>	
12:20~14:10	Display 12:20~14:10, Presentation, question and answer 12:50~14:10
<b>LECTURES KEYAKI Hall (1F)</b>	
Chair : Tatsuhito MATSUDA	
14:20~15:10	<Invited Lecture> Ilhyong Ryu ( Osaka Prefecture Univ.) “New Synthetic Methods Using Iodine Transfer as a Key”
Chair : Masahito OCHIAI	
15:10~15:25	<Lecture> ○K. MIDORIKAWA, S. SUGA <sup>†</sup> , J. YOSHIDA <sup>†</sup> ( Nippon Chemicals Co., Ltd., Kyoto Univ. <sup>†</sup> ) “Selective Monoiodination of Aromatic Compounds with Electrochemically Generated I <sup>+</sup> Using Micromixing”
15:25~15:40	<Lecture> ○S. MINAKATA, Y. MORINO, Y. ODERAOTOSHI, M. KOMATSU( Osaka Univ.) “Novel Aziridination of Olefins with Sulfonamides Using <i>t</i> -BuOI
15:40~15:55	<Lecture> ○S. MATSUMOTO, K. OGURA (Chiba Univ.) “Formation of Quinoline Derivatives with Hydrogen Iodide and Its Specificity”

15:55~16:10	<Lecture> ○Y. OHGO, S. NEYA <sup>†</sup> , M. TAKAHASHI, M. TAKEDA, M. NAKAMURA (Toho Univ., Chiba Univ. <sup>†</sup> ) “Structures and Magnetic Properties of Iodo(diazaporphyrinato)iron(III) Complexes”
Chair : Yasuyuki KITA	
16:10~17:00	<Invited Lecture> Andreas Kirschning (University Hannover, Germany) “Applications of Hypervalent Iodine in Natural Product Synthesis”

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 12:20 and 14:10.

Presenters are requested to be at their papers for discussions during the following periods:

No.	TITLE	○Author, Co-authors / Affiliation
A01	“New Generation and Reaction of Fluoroalkylidene Carbenes Derived from Fluoroalkenylidonium Salts”	○K. OSAFUNE, M. YOSHIDA, H. SENBOKU, S. HARA/ Hokkaido Univ.
A02	“Direct Oxidative Conversion of Primary Alcohols to Nitriles Using Molecular Iodine in Ammonia Water”	N. MORI, ○S. IIDA, H. TOGO/ Chiba Univ.
A03	“Convenient Synthesis of (Diacetoxyiodo)arenes”	Md. D. HOSSAIN, ○T. KITAMURA / Saga Univ.
A04	“A Site-selective Reaction of Ketones Using a Novel Highly Recyclable Hypervalent Iodine(III) Reagent Having a Tetraphenylmethane Core”	T. DOHI, ○A. MARUYAMA, M. YOSHIMURA, K. MORIMOTO, Y. KITA/ Osaka Univ.
A05	“Iodine Mediated Cyclization of 3-Hydroxy Acids and 1,3-Diols”	○Y. KASASHIMA <sup>†</sup> , H. FUJIMOTO, T. NISHIDA, T. MINO, M. SAKAMOTO, ○T. FUJITA/ Chiba Inst. of Technol. <sup>†</sup> , Chiba Univ.
A06	“Mirozoki-Heck Reaction of Aryl Iodide Using Hydrazone -Pd Catalyst”	T. MINO, ○Y. SASAI, Y. SHIRAE, M. SAKAMOTO, T. FUJITA/ Chiba Univ.
A07	“Precision Polymerization with Iodine Compounds	○M.SAWAMOTO, T.ANDO, M.OUCHI / Kyoto Univ.
A08	“Electronic Properties of Carbon Nanotubes Doped with Iodine”	○S. KITAO <sup>†</sup> , M. SETO <sup>†</sup> , Y. KOBAYASHI <sup>†</sup> , J. TAKADA <sup>†</sup> , R. MASUDA, S. HIGASHITANIGUCHI / Res. Reactor. Inst., Kyoto Univ. <sup>†</sup> , Kyoto Univ.
A09	“Side-chain Structural Effect on Physicochemical Properties of Xyloglucan-iodine Complexes “	○T. FUJIWARA, K. UCHIDA, H. YAJIMA, Y.YUGUCHI <sup>†</sup> , M.SHIRAKAWA <sup>†</sup> / Tokyo Univ. of Science, AIST <sup>†</sup> , Dainippon Pharm <sup>†</sup>
A10	“Synthesis of Hole Transfer Materials and Iodine Complex and Their Properties as Dye-sensitized Solar Cell”	Y. NAGAO, ○M. TSUCHIYA, K. KOZAWA/ Tokyo Univ. of Science
A11	“Photoelectro Properties of Polymer Solid-state Dye Sensitized Solar Cell Using Various Dyes”	○Y. NAGAO, K. MATSUSHITA, M.HAMA , K. KOZAWA/ Tokyo Univ. of Science
A12	“Host-guest Interaction in Iodine- $\alpha$ -CD Inclusion Complex”	○T. KANEKO, K. OHMINAMI, T. KONISHI, T. FUJIKAWA / Chiba Univ.
A13	“Preparation of Gold Nano-particles Using Photographic Materials: Effect of Halogen Composition in the Deposition Solution”	○X. CHEN, K. KUGE, A. HASEGAWA,/ Chiba Univ.
A14	“Iodine Compounds as Phto-initiators for Imaging”	○N.MIYAGAWA / Chiba Univ.

A15	“Preparation of Anodic Oxide Coating of Aluminum Impregnated with Iodophor” ○N. MATSUMOTO, K. HASHIMOTO, M. MAEJIMA, M. TAKAYA, Y. TODA/ Chiba Inst. of Technol.
A16	“Solid-State <sup>13</sup> CNMR Analysis of PVA-Iodine Complexes Produced from the Concentrated Solutions” ○H. YANG, F. HORII/Kyoto Univ.

W01	“Changes of Chemical Forms of Inorganic Iodine Applied to Plant and Soil” ○S. KATO, H. SEKIMOTO, S. YOSHIDA <sup>†</sup> / Utsunomiya Univ., National Institute of Radiological Sciences <sup>†</sup>
W02	“Isolation of High Iodine-concentrating Microalgae” ○K. IWAMOTO, T. MATSUZAWA, T. NAKAYAMA, Y. SHIRAIWA/ Univ. of Tsukuba
W03	“Microbial Community Analysis in Seawaters Supplemented with a High Concentration of Iodide” ○Y. AKIYAMA, S. AMACHI, Y. MURAMATSU <sup>†</sup> , H. SHINOYAMA, T. FUJII/ Chiba Univ., Gakushuin Univ. <sup>†</sup>
W04	“Microbial Contribution to the Biogeochemical Cycling of Iodine – Volatilization, Accumulation, Oxidation and Reduction of Iodine by bacteria –” ○S. AMACHI, Y. MURAMATSU <sup>†</sup> , T. FUJII/ Chiba Univ., Gakushuin Univ. <sup>†</sup>
W05	“Occurrence of Iodine Rich Brines and Pore Waters in Japan” ○Y. MURAMATSU, T. DOI, R. MATSUMOTO <sup>†</sup> , R. TAKEUCHI <sup>†</sup> , H. TOMARU <sup>††</sup> , U. FEHN <sup>††</sup> / Gakushuin Univ., Univ. of Tokyo <sup>†</sup> , Rochester Univ. <sup>††</sup>
W06	“ <sup>129</sup> I measurements of Several Japanese soils by AMS” ○H. MATSUZAKI, Y. MURAMATSU <sup>†</sup> , K. KATO, Y. TAKADA <sup>†</sup> / Univ. of Tokyo, Gakushuin Univ. <sup>†</sup>
W07	“Studies on the <sup>129</sup> I and <sup>127</sup> I in Soil Samples Collected from Chernobyl Area” ○S.K.SAHOO, Y. MURAMATSU <sup>†</sup> , H. MATSUZAKI <sup>††</sup> , S. YOSHIDA/ National Institute of Radiological Sciences, Gakushuin Univ. <sup>†</sup> Univ. of Tokyo, <sup>††</sup>
W08	“Measurement of <sup>129</sup> I in Environmental Samples – Comparison between Accelerator Mass Spectrometry and Neutron Activation Analysis” ○T. SUZUKI, T. KITAMURA, S. KABUTO, H. AMANO, S. BANBA <sup>†</sup> , K. ISOGAI <sup>†</sup> / JAERI Mutsu, JCAC <sup>†</sup>
W09	“Development of a Sterilization System Using Iodinated Anion Exchange Resin for Nutrient Solution” ○R. OGAI, Y. SHINOHARA, T. MARUO, Y. AMEMIYA, H. YAMGUCHI <sup>†</sup> / Chiba Univ., Kanto Natural Gas Development Co., Ltd. <sup>†</sup>
W10	“Effects of Iodine Application into Nutrient Solution on the Hydroponically Grown Tomato and Spinach Growth and Iodine Absorption” ○K. GONDA, H. YAMAGUCHI <sup>†</sup> , Y. SHINOHARA, T. MARUO/ Chiba Univ., Kanto Natural Gas Development Co., Ltd. <sup>†</sup>
W11	“Search for Iodine-containing Natural Products from Marine Algae Collected at Chiba Prefecture” S. YAMAMOTO, K. TOUME, ○M. ISHIBASHI, M. MIYATA <sup>†</sup> / Chiba Univ., Natural History Museum and Institute, Chiba <sup>†</sup>

17:15~19:00 *Banquet (at KEYAKI Reception Hall)*