The 1 2 th Symposium on the Society of Iodine Science

October 29, 2009
Chiba University, Chiba, Japan

Time Table (October 29th)

LECTURES KEYAKI Hall (1F)	
9:30~ 9:40	<Opening Address > NAOFUMI TANAKA (Chairman of SIS)
Chair：T.KAIHOU	
9:40~10:25	< Invited Lecture> Frithjof C. Küpper（The Scottish Association for Marine Science Dunstaffnage Marine Laboratory） "**From the Napoleonic Wars to cloud formation:Two centuries of research on iodine in seaweeds** "
Chair ：T.KITAMURA	
10:25~10:40	<Lecture> Tatsuro IMAKUBO, Ryosuke MURAYAMA (Nagaoka University of Technology) "**Development of Recyclable Organic Conductors based on Iodinated TTFs** "
10:40~10:55	<Lecture> ○Shin-ich KAWAGUCHI, Akiya OGAWA* (Osaka Prefecture Univ.) "**Selective Hydroiodation of Alkynes Using Iodide-Phosphine Binary System**"
Chair：M.OCHIAI	
10:55~11:40	< Invited Lecture> Kazuaki Ishihara (Grad. Sch. Eng., Nagoya Univ.) **"Hypervalent Iodine-Catalyzed Selective Oxidation of Alcohols"**
Chair：T.ISHIKAWA	
10:45~12:25	<Short Speeches on Poster Presentations>
POSTER PRESENTATIONS KEYAKI Reception Hall (3F)	
12:00~14:35	Display 12:00～14:35 , Presentation, question and answer13:05～14:35
COMMENDATION CEREMONY and LECTURES KEYAKI Hall (1F)	
14:45~14:50	Commendation ceremony
Chair：S.AMACHI	
14:50~15:35	<Award Lecture> Yasuyuki Muramatsu (Gakushuin University) "**Development of iodine analysis and its application to environmental sciences and geochemistry**"
15:35~15:50	<Lecture> Y. Ohmiya, S. Suzuki and ○Yoichi Kondo (Gunma University) "**Evolutionary Aspects of Thyroid Hormone Production by Cyclostomes**"
Chair：T.FUJIKAWA	
15:50~16:05	<Lecture> Fitri Khoerunnisa, Ohba Tomonori, Hirofumi Kanoh, Katsumi Kaneko Department of Chemistry, Graduate School of Science Chiba University "**Electronically Modified SWCNH Film with Iodine Adsorption**"
16:05~16:20	<Lecture> Taro Uchiyama (Department of System Design Engineering, Keio University) Tomonari Nakamura, Masamori Endo (Department of Physics, Tokai University) "**An All Gas-Phase Iodine Laser**"

Chair：K.KANEKO	
16:20~17:05	<Invited Lecture> Lars Kloo (Inorganic Chemistry, Royal Institute of Technology) “ **POLYIODIDE LIQUIDS AND SOLIDS - FROM APPLICATION TO FUNDAMENTALS AND BACK AGAIN**”
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	“**Electrosynthesis of Organofluorine Compounds Using Iodineas a Key Element. Part 1.Electrochemical Fluorination Using Iodobenzene Derivative Mediator in Ionic Liquid”** Takahiro SAWAMURA, Shinsuke INAGI, Toshio FUCHIGAMI (Department of Electronic Chemistry, Tokyo Institute of Technology)
02	“**Electrosynthesis of Organofluorine Compounds Using Iodine as a Key Element. Part 2.Anodic Iodofluorination of Electron-Deficient Olefins and Its Synthetic Application”** Hirokatsu NAGURA, Shunsuke KURIBAYASHI, Toshio FUCHIGAMI (Department of Electronic Chemistry, Tokyo Institute of Technology)
03	“**Electrochemical difluorination of alkenes using iodo ion as mediator**” Natsumi WAKITA, Motoshi AOYAMA, Shoji HARA (Graduate School of Engineering, Hokkadio Univ.)
04	**“Selective Partial Poly-fluorination by IF_5”** Tadahito FUKUHARA, Shoji HARA (Graduate School of Engineering, Hokkaido Univ.)
05	**“Stereoselective synthesis of poly-substituted fluoroalkenyliodonim salts ”** Ryuhei TAHARA, Satoshi SHIMOBABA, Shoji HARA (Graduate School of Engineering, Hokkaido University)
06	“**Asymmetric Michael addition with chiral amine and removal of chiral auxiliary utilizing NIS** ” Noboru HAYAMA, Shunsuke OCHI,Minoru OZEKI, Tetsuya KAJIMOTO, Shinzo Hosoi, Manabu Node(Kyoto Pharmaceutical Univ.)
07	“**Environmentally Benign Preparation of Benzosultams and Benzolactams Using a Catalytic Amount of Ion-Supported PhI and *m*CPBA**” ○Yoshihide ISHIWATA, Hideo TOGO (Graduate School of Science, Chiba University)
08	“**Practical Organoiodine-Catalyzed Oxidation of Phenols Using Peracetic Acid as a Terminal Oxidant**” ○Daishi KATO, Teruyoshi UCHIYAMA, Toshifumi DOHI and Yasuyuki KITA （Graduate School of Pharmaceutical Sciences, Ritsumeikan University）
09	“**Iodobenzene-Catalyzed Hofmann Rearrangement of Primary Amides**” Kazunori MIYAMOTO, Yuta SAKAI, Masahito OCHIAI (University of Tokushima)
10	**“Iodoarylation of Alkynes Using Hypervalent Iodine and Molecular Iodine”** Md. Ataur RAHMAN, Tsugio KITMURA (Saga University)
11	**“Iodoamidation of Olefins with I_2 and Chloramine Salts in Water”** Satoshi MINAKATA,* Junpei HAYAKAWA (Graduate School of Engineering, Osaka University)
12	“**Study of Tandem Oxidation-Rearrangement Reaction with Iodine** ” Naohiko KANAI, Hiroki NAKAYAMA, Norihiro TADA, Tsuyoshi MIURA, Akichika ITOH (Gifu Pharmaceutical University)

13	**“Molecular iodine-catalyzed reaction of alcohols with nitriles”** Yoshio KASASHIMA (Chiba Institute of Technology) ,Yu YOKOYAMA, Kazuki TOMONO, Takashi MINO, Masami SAKAMOTO, Tsutomu FUJITA (Chiba University)
14	“**Molecular iodine-catalyzed reaction of 3-hydroxy acids with vinyl ethers**” Yoshio KASASHIMA (Chiba Institute of Technology) Keita TOMISAKI, Haruna MIZUSHIMA, Takashi MINO, Masami SAKAMOTO and Tsutomu FUJITA (Chiba University)
15	**“The oxidation of 8-oxoguanine by iodine.”** ○Katsuhito KINO, Masayuki MORIKAWA, Teruhiko KOBAYASHI, Rie KOMORI, Takanobu KOBAYASHI, Yoshihisa SEI, Hiroshi MIYAZAWA (Kagawa School of Pharmaceutical Sciences, Tokushima Bunri University)
16	**“Titanium Tetraiodide Induced Cyclization of Cyano-β-keto Esters into 2-Iodopyridines”** ○Iwao HACHIYA, Yushi MINAMI, Yosuke HIOKI, Makoto SHIMIZU (Graduate School of Engineering, Mie University)
17	“**Novel Formation of the Dihydroquinoline Derivatives from 3-(Arylamino)acrylic Esters with Hydrogen Iodide**” Shoji MATSUMOTO, Takahiro MORI, and Motohiro AKAZOME (Graduate School of Engineering, Chiba University)
18	**“Dethioacetarization with Hydrogen Peroxide Catalyzed by Iodide and Nb(V)”** Masayuki KIRIHARA, Takuya NOGUCHI, Yuki ISHIZUKA (Department of Materials and Life Sciences, Shizuoka Institute of Science and Technology)
19	“**Stereoselective Synthesis of Polysubstituted Cyclopropanes and Application to Natural Product Synthesis**” Masaki HOSHI, Osamu KANEKO, Toshiki TABUCHI, Shigeru ARAI, Atsushi NISHIDA (Graduate School of Pharmaceutical Sciences, Chiba University)
20	“**Utilization of iodanes towards synthetic studies of natural products**” ○ Keiko FUSEGI, Natsuno ETOMI, Takuya KUMAMOTO, Tsutomu ISHIKAWA (Grad. Sch. Pharm. Sci., Chiba University)
21	**“Photoelectrochemical properties of phthalocyanine films prepared by the micellar disruption method in an I_3^-/I^- redox system (I)”** ○Y. UdAGAWA[1], T. SAJI[2], K. HOSHINO[1] ([1]Chiba Univ., [2]Tokyo Inst. Tech.)
22	**“Photoelectrochemical properties of phthalocyanine films prepared by the micellar disruption method in an I_3^-/I^- redox system (II) ”** ○K. YAMAKAWA[1], T. SAJI[2], K. HOSHINO[1] ([1]Chiba Univ., [2]Tokyo Inst. Tech.)
23	“**Preparation and Functionality of Hybrid Composite Applied with Iodine Coordinated in Polymers.** ” Akio KAWAGUCHI (Kyoto Univ.), Yasuo GOTOH (Shinshu Univ.)
24	“**Synthesis and Sintering of $Pb_{10}(VO_4)_6I_2$ and $Pb_{10}(VO_4)_{4.8}(PO_4)_{1.2}I_2$**” Yasushi SUETSUGU (NIMS)
25	“**Preparation of Chitosan-Iodine Complex and Its Antibacterial Activity**” ○Yasuyuki TAKIGUCHI, Saneyuki INOUE, Tatsuaki YAMAGUCHI **(**Chiba Institute of Technology) Hiroshi FUKUZAWA (Kanto Natural Gas Development Co.Ltd)
26	“**Preparation and Evaluation of Aluminum Anodic Oxide Film Impregnated With Iodine Using Chitosan-Iodine Complex** ” ○D. SASAKI, Y. WAKANA, N. MATSUMOTO,Y. TAKIGUCHI, K. HASHIMOTO, Y. TODA (Chiba Institute of Technology)
27	“**Morphological Control during Carbonization of Bacterial Cellulose with Iodine Treatment.** ” ○Naoya MIYAJIMA, Ken JINGUJI（Univ. of Yamanashi）, Osamu TANAIKE(AIST) Hideto SAKANE（Center for Instr. Anal., Univ. of Yamanashi）
28	“**Multiple scattering approach to I *K* edge XANES for iodine-doped PVA films**” ○Tatsuro MIKI, Shin-ichi NAGAMATSU, Takuya AKATSUKA, Takehisa KONISHI, Takashi FUJIKAWA(Chiba university) Kumiko OISHI, Toshiaki ITATANI (kuraray Co. Ltd.)
29	“**Evaluation of available iodine in povidone-iodine ointments using X-ray absorption spectroscopy**” TakumaKANEKO[1],TadakazuKUBO[2],TatsuroMIKI[3],Takehisa KONISHI[3], Takashi FUJIKAWA[3] (Graduate School of Science and Technology, Chiba Universty[1], Ebihara Hospital[2], GraduateSchoolof Advanced Integration Science, Chiba University[3])
30	“**The method for improvement of effect of PVP-I medicine**” Tadakazu KUBO (Bed sore association, pharmacist)

31	"**Application of HPLC combined with sector-field ICP-MS for iodine speciation in seawater** " Jian ZHENG and Masatoshi YAMADA (Nakaminato Laboratory for Marine RadioecologyEnvironmental Radiation Effects Research Group, National Institute of Radiological Sciences,)
32	**"Simultaneous analysis of iodide and iodoamino acids by reversed-phase high-performance liquid chromatography"** Masahiro MIYASHITA[1], Yoshiyuki SEYAMA[2]([1]Hoshi University, [2]Nihon Pharmaceutical University)
33	"**Iodine speciation in the soil-water systems using XANES and HPLC-ICP-MS**" ○Yoko SHIMAMOTO, Yoshio TAKAHASHI (Graduate School of Science, Hiroshima University)
34	"**Time-dependent changes on plant uptake of iodine added to a soil**" Akira TAKEDA, Hirofumi TSUKADA, Yuichi TAKAKU, Shun'ichi HISAMATSU (Institute for Environmental Sciences)
35	"**Quantification of free iodine released from a new antimicrobial system, "IOE" and iodide**" M. SUZUKI, K. TANAKA & S. AMACHI (Chiba Univ.)
36	"**Chemical forms of iodine accumulated in aerobic bacteria**" H. Morimura, K. Tanaka*, T. Ohnuki*, K. Tanaka & S. Amachi (Chiba Univ.& Japan Atomic Energy Agency*)
37	"**The Relationship between Iodine Intake with Urinary Iodine in the Humans.** " ○Nobu Tsukada , Yumiko Urakawa (Kamakura Women's University), Jiro Yokoyama (Nosan Corporation.)
38	"**Occurrence of iodine and methane in active margins: A potential link to past climatic changes**" Udo Fehn (Department of Earth & Environmental Sciences, University of Rochester)
39	"**Application of ^{129}I geochronology for the gas hydrate deposit offshore Shimokita Peninsula**" ○Hitoshi Tomaru (EPS, Univ. Tokyo), Udo Fehn (EES, Univ. Rochester) Ryo Matsumoto (EPS, Univ. Tokyo) Fumio Inagaki(KCC, JAMSTEC) Kan Aoike(CDEX, JAMSTEC)
40	"**Origin of interstitial water in forearc basin sediments and accumula- tion mechanism of iodine and microbial methane**" Nobuyuki KANEKO (National Institute of Advanced Industrial Science and Technology)
41	"**Reduction of iodate to iodide in rice plant root**" Takanori Wachi[1], Shouta Katou[1], Michiko Takahashi[1], Hitoshi Sekimoto[1], Satoshi Yoshida[2] ([1]Utsunomiya University, [2]National Institute of Radiological Sciences)
42	**"Examination for sample pretreatment for ^{129}I-AMS for natural samples"** K. Abe[1], H. Matsuzaki[1], Y. Muramatsu[2] ([1]MALT, The University of Tokyo, [2]Gakushuin University)
43	**"Iodine isotope depth profile in Andisol sampled at well-preserved field in NIAES, Tsukuba, Japan"** H. Matsuzaki[1], Y. Maejima[2], T. Ohkura[2], Y.S. Tsuchiya[1], K. Abe[1], Y. Miyairi[1], Y. Muramatsu[3] ([1]MALT, The University of Tokyo, [3]National Institute for Agro-Environmental Sciences, [3]Gakushuin University)
44	"**Accumulation of iodine on Andosol**" E. Ito[1], Y. Muramatsu[1], H. Matsuzaki[2] ([1]Gakushuin University, [2]University of Tokyo)
45	"**Analyses of iodine and other elements in hot spring waters collected from Hokkaido.** " N. Okabe[1], Y. Kashiwagi[1], Y. Muramatsu[1], K. Kazahaya[2], M. Takahashi, [2] H. Matsuzaki[3] ([1]Gakushuin University, [2]AIST, [3]University of Tokyo)
46	**"Analysis of iodine, bromine and chlorine concentrations in rainwater "** H.Anzai[1], Y.Muramatsu[1], M.Hirakawa[1] ([1]Gakushuin University)
47	"**Evaluation of Iodine-enriched egg on Type2 Diabetes Mellitus.（The Second Report）**" Jiro YOKOYAMA (Nosan Corp.), Miyuki TOMIOKA, Hajime INOUE (St. Marianna University School of Medicine)