

Program

November 14 (Wed)

18:00-20:00 Welcome party

November 15 (Thu)

8:30-9:00 Registration

9:00-9:20 Opening Ceremony

9:20-10:10 Chair: Prof. Norio Shibata

1. Development of High Performance Conducting-Bridge Random Access Memory (CB-RAM) using Ionic Liquid Engineering 1

Toshiyuki Itoh^{1,2}, Shuichi Hayase^{1,2}, Toshiki Nokami^{1,2}, Kentaro Kinoshita³

(¹Department of Chemistry and Biotechnology, Graduate School of Engineering, Tottori University, ²Center for Research on Green Sustainable Chemistry, Tottori University, ³Tokyo University of Science)

2. High Performance Fluorinated Polysiloxane Derived from Tetraethoxysilane (TEOS) 3

Jiajia Wang, Junfeng Zhou, Jing Sun, **Qiang Fang**
(Chinese Academy of Sciences)

10:10-10:30 Coffee Break

10:30-11:45 Chair: Prof. Tomoko Yajima

3. Photoredox Catalyzed Multicomponent Reactions of Carbon-Carbon Multiple Bonds: Synthesis of Trifluoromethyl Incorporated Molecules 5

S. B. Han

(Korea Research Institute of Chemical Technology, University of Science and Technology)

4. Radical Asymmetric Functionalization of Alkenes with Fluoroalkyl Reagents 7

Xin-Yuan Liu

(Southern University of Science and Technology)

5. Synthesis of Functionalized Fluoroalkylated Compounds 9

Eun Jin Cho

(Chung-Ang University)

11:45-13:00 Lunch

13:00-14:15 Chair: Prof. Tsutomu Konno

**6. Preparation and Properties of Fluoroalkyl End-capped Oligomer/Boron Nitride and
/Magnetite Nanocomposites** 11

Hideo Sawada, Seigo Okada, Jitraporn Saengkaew, Katsumi Yamashita

(Hiroshima University)

**7. Degradation Behaviour of Poly(Semi-Perfluoroalkyl Methacrylate) Thin Films under
Electron-Beam Exposure Conditions** 13

Hyun-Taek Oh, Seok-Heon Jung, **Jin-Kyun Lee**

(Inha University)

8. Synthesis of Fluorinated Compounds under Pd-catalysis 15

Norio Shibata

(Nagoya Institute of Technology)

14:20-17:30 Excursion

18:00-20:00 Banquet

November 16 (Fri)

9:00-10:15 Chair: Prof. Toshio Kubota

9. Copper-Catalyzed Highly Stereoselective Fluoroalkylation of Propargylic Sulfonates 17

Xingang Zhang

(Chinese Academy of Sciences)

**10. Synthesis and Reactivity of Transition Metal Complexes Bearing Electron-Accepting
Fluorinated Phosphines** 19

T. Agou, N. Wada, M. Komatsu, M. Nohara, H. Fukumoto, T. Kubota

(Ibaraki University)

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J. H. Kwak ¹ , B. H. Kwon ¹ , W. O. So ² , I. J. Park ² (¹ SK Materials Co., Ltd., ² KRICT)	
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10:35-12:15	Chair: Prof. Takashi Yamazaki
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Ning Lv, Fa-Guang Zhang, Jun-An Ma (Tianjin University)	
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Futa Ogawa ¹ , Keita Tani ² , Yukiko Karuo ¹ , Atsushi Tarui ¹ , Kazuyuki Sato ¹ , Kentaro Kawai ¹ , Masaaki Omote¹ (¹ Setsunan University, ² Osaka Kyoiku University)	
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Ji-Chang Xiao (Chinese Academy of Sciences)	
15. Synthesis of perfluorobutyl-based fluorinated sodium alkanesulfonates, chlorotrifluoromethylated compounds and styrylperfluoroketones	29
Dong-Soo Shin (Changwon National University)	
12:15-13:30	Lunch
13:30-15:10	Chair: Prof. Hideki Amii
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Kana Mitobe ¹ , Kyu Terashima ¹ , Tomoko Kawasaki-Takasuka ¹ , Tomohiro Agou ² , Toshio Kubota ² , Takashi Yamazaki¹ (¹ Tokyo University of Agriculture, ² Ibaraki University)	

17. (1S)-(-)-N-Difluoromethylthio-2,10-camphorsultam: an Optically Pure Reagent for Asymmetric Difluoromethylthiolation	33
Qilong Shen (Chinese Academy of Sciences)	
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Qiqiang Xie, Chuanfa Ni, Jinbo Hu (Shanghai Institute of Organic Chemistry)	
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15:30-17:10 Chair: Prof. Kazumasa Funabiki	
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Jong Gu Kim , Eun Ji Song, Jeong-In Han, Young-Seak Lee* (Chungnam National University)	
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Daniel Himmel ¹ , Takaaki Sonoda ² , Naoto Suzuki ³ , Takeshi Fujita ³ , Junji Ichikawa ³ , Ingo Krossing ¹ (¹ Albert-Ludwigs-Universität Freiburg, ² UAP Owl Association, ³ University of Tsukuba)	
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Hong Suk Kang , Eun-Ho Sohn, Jong-Wook Ha, Soo-Bok Lee, In Jun Park (Korea Research Institute of Chemical)	
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Feng-Ling Qing (Chinese Academy of Sciences, Donghua University)	
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