

Scientific Program

Oral Presentation
(Invited)

May 29 (Thursday)

08:50-09:00 *Opening Remark*

09:00 – 10:30 *Chair: Minoru Mizuhata*

I - 01 09:00-09:30

IONIC PLASTIC CRYSTALS BASED ON FLUOROANIONS

Kazuhiko Matsumoto (Kyoto University, Japan)

I - 02 09:30 – 10:00

ELECTROLYTES BASED ON FLUOROSULFONIMIDE ANIONS FOR IMPROVING PERFORMANCES OF RECHARGEABLE LI (OR LI-ION) BATTERIES

Zhi-Bin Zhou (Huazhong University of Science and Technology, China)

I - 03 10:00 – 10:30

CYANOBORATE ANIONS WITH PERFLUOROALKYL OR ALKYL SUBSTITUENTS: BUILDING BLOCKS FOR LOW-VISCOUS IONIC LIQUIDS

Maik Finze (Julius-Maximilians-Universität Würzburg, Germany)

10:30 – 10:45 *Coffee break*

10:45 – 12:15 *Chair: Takashi Yamazaki*

I - 04 10:45 – 11:15

BIOORTHOGONAL CLICK CHEMISTRY FOR FLUORINE-18 LABELING PROTOCOLS

Dong Wook Kim (Inha University, Korea)

I - 05 11:15 – 11:45

BACKBONE-FLUORINATED AMINO ACIDS: SYNTHESIS AND APPLICATIONS

Luke Hunter (University of New South Wales, Australia)

I - 06 11:45 – 12:15

THE SYNTHESIS OF FLUORINATED CARBOHYDRATES

Bruno Linclau (University of Southampton, UK)

12:15 – 13:30 *Lunch*

13:30 – 15:00 *Chair: Susumu Yonezawa*

I – 07 13:30 – 14:00

LIQUID PHASE DEPOSITION PROCESS FOR NANOMATERIALS FABRICATION

Minoru Mizuhata (Kobe University, Japan)

I – 08 14:00 – 14:30

FLUORINE CHEMISTRY FOR THE PREPARATION OF GRAPHENE MATERIALS,
FLUORINATED OR NOT

Marc Dubois (Université Blaise Pascal, France)

I – 09 14:30 – 15:00

DEVELOPMENT OF A DIRECT FLUORINATION METHOD “PERFECT” AND ITS
INDUSTRIAL APPLICATIONS

Takashi Okazoe (Asahi Glass Co., Ltd, Japan)

15:00 – 15:15 *Coffee break*

15:15 – 16:45 *Chair: Junji Ichikawa*

I – 10 15:15 – 15:45

REVISITING THE USE OF FLUORIDE AS A LEAVING GROUP

Jean-François Paquin (Université Laval, Canada)

I – 11 15:45 – 16:15

PREPARATION AND ASYMMETRIC SYNTHESIS OF TRIFLUOROMETHYLATED
COMPOUNDS

Teck-Peng Loh (Nanyang Technological University, Singapore)

I – 12 16:15 – 16:45

TRANSITION-METAL-CATALYZED DIFLUOROALKYLATION OF ARENES: A
JOURNEY IN CATALYTIC SYNTHESIS OF FLUORINATED COMPOUNDS

Xingnag Zhang (Shanghai Institute of Organic Chemistry, China)

May 30 (Friday)

09:00 – 10:30 *Chair: Yoshiaki Matsuo*

I - 13 09:00-09:30

NEW PHASES IN THE $AG(F_{1-x}CL_x)_Y$ PHASE DIAGRAM FOR ENERGY STORAGE APPLICATIONS

Wojciech Grochala (University of Warsaw, Poland)

I - 14 09:30-10:00

BATTERIES BASED ON METAL HALIDES

Maximilian Fichtner (Ulm University and Karlsruhe Institute of Technology, Germany)

I - 15 10:00-10:30

SYNTHESIS AND UPCONVERSION LUMINESCENCE OF NAREF NANOPARTICLES

Weiping Qin (Jilin University, China)

10:30 – 10:45 *Coffee break*

10:45 – 12:15 *Chair: Hideki Amii*

I – 16 10:45 – 11:15

CORE-STRUCTURE-INSPIRED DEVELOPMENT OF ASYMMETRIC ADDITION REACTION: ENANTIOSELECTIVE SYNTHESSES OF BIOACTIVE TRIFLUOROMETHYLDIHYDROQUINAZOLINES AND DIHYDROBENZOXAZINONES

Jun-An Ma (Tianjin University, China)

I – 17 11:15 – 11:45

HIGHLY STABILIZED CARBANIONS BY FLUORINATED SUBSTITUTENTS

Hikaru Yanai (Tokyo University of Pharmacy and Life Sciences, Japan)

I – 18 11:45 – 12:15

IODOPERFLUOROALKANES: USEFUL TECTONS IN SUPRAMOLECULAR CHEMISTRY

Pierangelo Metrangolo (Politecnico di Milano, Italy)

12:15 – 13:30 *Lunch*

13:30 – 15:00 *Chair: Rika Hagiwara*

I – 19 13:30 – 14:00

CURIOSITIES IN XEF₂ CHEMISTRY

Gašper Tavčar (Jožef Stefan Institute, Slovenia)

I – 20 14:00 – 14:30

SULFUR TETRAFLUORIDE: LEWIS ACID INTERACTIONS IN THE SOLID STATE AND ITS UTILITY IN INORGANIC CHEMISTRY

Michael Gerken (University of Lethbridge, Canada)

I – 21 14:30 – 15:00

NOVEL METAL FLUORIDES: A MATRIX-ISOLATION AND QUANTUM-CHEMICAL STUDY

Sebastian Riedel (Freie Universität Berlin, Germany)

15:00 – 15:15 *Coffee break*

15:15 – 16:45 *Chair: Hideo Sawada*

I – 22 15:15 – 15:45

CRITICAL EFFECT OF STEREOREGULARITY ON SURFACE REPELLENCY AND CRYSTALLINITY OF POLY(2-PERFLUOROHEXYLETHYL ACRYLATE)S

Takehiro Kitaura (Osaka University, Japan)

I – 23 15:45 – 16:15

SYNTHESIS, PROPERTIES, AND N-TYPE PERFORMANCES OF ELECTRONEGATIVE PI-CONJUGATED SYSTEMS HAVING FLUORINE SUBSTITUENTS

Yutaka Ie (Osaka University, Japan)

I – 24 16:15 – 16:45

NOVEL LOW EW, WATER INSOLUBLE PERFLUOROSULFONIMIDE (PFSI) IONOMERS AND EVOLUTION OF ACADEMIC BARRICADES FOR USE OF TETRAFLUOROETHYLENE (TFE)

Joseph S. Thrasher (Clemson University and The University of Alabama, USA)

16:45-16:55 *Closing Remark*