



33rd International Conference on Solution Chemistry (ICSC)

Post-symposium on Ionic Liquids From Science to Green Chemical Applications

Joint conference with the Ionic Liquid Research Association (ILRA), Japan and the Prioritized Research Program for the Future Generation, Kanazawa University

July 13, 2013
at AIST Tokyo Waterfront

Participation fees are free for the ICSC participants and ILRA members.
Please make a registration at <http://www.ilra.jp/2013sympo.html>



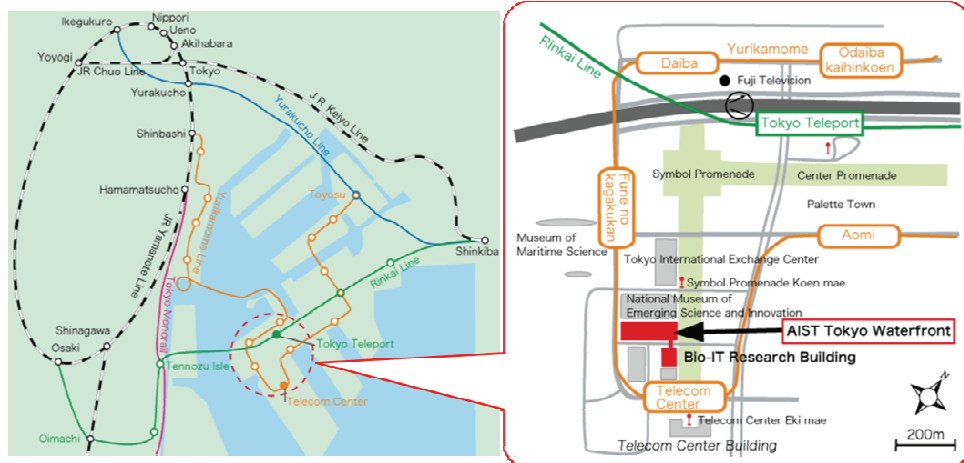
Organizers: Prof. Keiko Nishikawa (Chiba univ.), Prof. Yasuhiro Umebayashi (Niigata univ.),
Prof. Masayoshi Watanabe (Yokohama National univ.),
Prof. Kenji Takahashi (Kanazawa univ.), and Dr. Mitsuhiro Kanakubo (AIST)

Local organizers: Dr. Takeshi Morita (Chiba Univ), Dr. Kenta Fujii (The University of Tokyo), and
Dr. Takashi Makino (AIST)

Sponsors: Ionic Liquid Research Association, Japan, The Japan Association of Solution Chemistry,
The Prioritized Research Program for the Future Generation, Kanazawa University, and
Research Center for Compact Chemical System, AIST.

Location: AIST Tokyo Waterfront

http://www.aist.go.jp/aist_e/guidemap/waterfront/watefront_map.html



Program

* All the oral sessions are composed of plenary (40 min) and invited (20 min) talks.

- 9:30-9:40 Opening (Prof. Yasuhiro Umebayashi)
- Green Chemistry Session ---
- 9:40-10:00 Dr. Takashi Makino (AIST)
 “CO₂ Absorption/Compression Cycle Using Ionic Liquids for Air-Conditioning”
- 10:00-10:20 Mr. Yusuke Funasako (Kobe University)
 “Vapor-Responsive Ionic Liquids from Cationic Metal-Chelate Complexes”
- 10:20-10:40 Dr. Eiji Kamio (Kobe University)
 “Ionic Liquids Membrane for Gas Separation”
- 10:40-11:00 Dr. Shinya Furukawa (Ajinomoto Co., Inc.)
 “Green Peptide syntheses Using Amino Acid Ionic Liquids”
- 11:00-11:40 Dr. Kazuaki Ninomiya (Kanazawa University)
 “Biomass Refinery Using Ionic Liquids”
- 11:40-13:00 Lunch
- Physical Chemistry Session I ---
- 13:00-13:20 Mr. Hiroyuki Doi (Niigata University)
 “Structure and Dynamics of *Pseudo*-Protic Ionic Liquids as Novel Proton Conductors”
- 13:20-14:00 Prof. Kenneth R. Harris (The University of New South Wales, Australia)
 “Scaling the Ionic Liquid Transport Properties: Lessons from High Pressure Studies and Molten Salts”
- 14:00-14:20 Dr. Thomas Sonnleitner (University of Regensburg, Germany)
 “Dielectric Spectroscopy of Protic and *Pseudo*-Protic Ionic Liquids”
- 14:20-15:00 Prof. Jose N. C. Lopes (Universidade Nova de Lisboa, Portugal)
 “Modeling Ionic Liquids and Their Mixtures Using MD Simulations: From Predictions to Interpretation”
- 15:00-16:00 Coffee Break / Poster Session
- Physical Chemistry Session II ---
- 16:00-16:20 Dr. Kenta Fujii (The University of Tokyo)
 “Solvation Structure of Polymer in Ionic Liquids Studied by X-ray/Neutron Scattering”
- 16:20-17:00 Prof. Masayoshi Watanabe (Yokohama National University)
 “Criteria for Solvate Ionic Liquids and Their Electrochemical Applications”
- 17:00-17:40 Prof. Mark Maroncelli (Pennsylvania State University, USA)
 “Solute Motion in Ionic Liquids: NMR & Simulation Studies”
- 17:40-18:20 Prof. Edward Castner (The State University of New Jersey, USA)
 “Chemistry in Ionic Liquids: Structure, Interactions, Solvation and Electron Transfer”
- 18:20-18:30 Closing (Prof. Keiko Nishikawa)
- 18:30-20:00 Reception (3,000 Jpn yen)