

33rd International Conference on Solution Chemistry

Young Scientist Session

Friday 12 July, 2013

=== 1-A Terrsa Hall ===

Chair: Toshiyuki Takamuku

09:00 – 09:09 [3PJ35]

The Inverse Problem for Molecular Liquids: from Site-Site Bridge Function toward Effective Pair Potentials

I. Vyalov, G. Chuev, and N. Georgi

09:10 – 09:19 [3PJ29]

Effect of Alkyl Chain Length on the Structure of the Liquid Phase of Primary Alcohols – A Molecular Dynamics Study

G. Matisz, A-M. Kelterer, W.M.F. Fabian, and S. Kunsági-Máté

09:20 – 09:29 [2PE01]

Transient Compressibility during Protein Reaction; Phototropin LOV2 Domain with the Linker Helix

K. Kuroi, F. Sato, Y. Nakasone, K. Zikihara, S. Tokutomi, and M. Terazima

09:30 – 09:39 [3PE25]

Small Angle X-Ray Scattering and Integral Equation Approach for Intermolecular Interaction Potential of Globular Proteins

H. Imamura, T. Morita, T. Sumi, Y. Isogai, M. Kato, and K. Nishikawa

09:40 – 09:49 [2PF09]

Time-dependent Heterogeneity in a Supramolecular Solution System

Y. Matsumoto, A. Shundo, K. Matsumoto, M. Ohno, K. Miyaji, M. Goto, and K. Tanaka

=== 3-A Conference Room ===

Chair: Hajime Torii

09:00 – 09:09 [3PB13]

Theoretical Study on the Absorption and Emission Spectra of Squaraine Molecule in Solvents

H. Ozawa, K. Yashiro, T. Yamamoto, and S. Yabushita

09:10 – 09:19 [2PI05]

Quantum Chemical Study of Glucose Hydrolysis in Acid Environment Using RISM-SCS-SEDD

Arifin, D. Yokogawa, and S. Irle

09:20 – 09:29 [2PB10]

Weak, Weaker, Weakest Ammonia: Journey from Ambient to Supercritical Region

Vivek Kumar Yadav and Amalendu Chandra

09:30 – 09:39 [3PA16]

Vapor-Responsive Ionic Liquids from Cationic Metal-Chelate Complexes

Y. Funasako and T. Mochida

09:40 – 09:49 [3PI25]

Experimental Determination and Modelling of Solubility Phase Diagram of the Quaternary System $\text{MgCl}_2+\text{LiCl}+\text{NH}_4\text{Cl}+\text{H}_2\text{O}$ and its Application

H. Yang and D. Zeng