

Program:

9:45-10:00 **Yasuhiro Nakazawa**
Osaka University, Japan

Opening: The Fascinating Road for Thermodynamics Research at Osaka University Paved by Prof. Syuzo Seki

10:00-10:30 **Masaharu Oguni (O-01)**
Tokyo Institute of Technology, Japan

Thermal Behaviors Observed of the Low-Temperature Water Restricted within Nanometer-Scale Spaces

10:30-11:00 **Ove Andersson (O-02)**
Umeå University, Sweden

Transitions in Pressure Collapsed Clathrate Hydrates - Comparison with Collapsed Ice

11:00-11:30 **Hirohisa Yoshida (O-03)**
Tokyo Metropolitan University, Japan

Micro Ring Ordered Alignment

11:30-12:00 **Brian F. Woodfield (O-04)**
Brigham Young University, USA

Origin of the Linear Term and Gapped Debye Term in the Low Temperature Specific Heat of Non-Conducting Solids

12:00-13:30 **Lunch**

13:30-14:00 **Li-Xian Sun (O-05)**
Guilin University of Electronic Technology, China

Thermodynamic Study on Micro/Nano Materials for Energy Storage

14:00-14:30 **Jean-Luc Garden** **(O-06)**
Institut Néel, CNRS, France
Non-Equilibrium Thermodynamics in Dynamic Calorimetry

14:30-15:00 **Masateru Taniguchi** **(O-07)**
Osaka University, Japan
Heat Transport in Single Molecule/Atom Junctions

15:00-15:15 **Break**

15:15-15:45 **Sergei P. Kruchinin** **(O-08)**
Bogolyubov Institute for Theoretical Physics, Ukraine
Thermoelectricity in Tunneling Nanostructures

15:45-16:15 **Motohiro Nakano** **(O-09)**
Osaka University, Japan
Heat-Capacity Calorimetry of Spin-Crossover Complex [Mn^{III}(taa)]

16:30-18:00 **Poster Presentation (D403)**

18:15- **Banquet (D303)**

Poster Presentations

P-01

Selective Dispersion of Nano-Particles in Immiscible Polymer Blend Solutions

J-H. Jang, H. Yoshida, and M. Kawazoe
(Tokyo Metropolitan University)

P-02

Water Diffusion Path in Stratum Corneum, the Outermost of Skin

S. Arai, S. Kakinoki, M. Iwasa, and H. Yoshida
(Tokyo Metropolitan University)

P-03

Anion Polarity-Induced Unique Crystal Structures in Organic Conductors Containing Organic Free Radical

H. Akutsu, K. Ishihara, J. Yamada, S. Nakatsuji, and Y. Nakazawa
(Osaka University)

P-04

Thermodynamic Behavior of the Spin-Liquid Compound in Dimerized Charge Transfer Salts

S. Yamashita, Y. Nakazawa, and R. Kato
(Osaka University)

P-05

Fragility and Glass Transition for 1,2-Propanediol Solution of Lithium Tetrafluoroborate

Y. Terashima, N. Sugimoto, M. Mori, and K. Takeda
(Naruto University of Education)

P-06

Phase behavior of Confined Water Doped with Hydroxylamine under

High Pressure and Prediction for Pure Water

A. Nagoe, S. Iwaki, M. Oguni, and K. Tôzaki

(Osaka University)

P-07

Thermodynamic Study of Low Temperature Electronic State of β'' -(BEDT-TTF)₄[(H₃O)Ga(C₂O₄)₃]PhNO₂ - A Candidate of Charge-Fluctuation-Mediated Superconductors -

S. Imajo, S. Yamashita, H. Akutsu, and Y. Nakazawa

(Osaka University)

P-08

Heat Capacity and High-Pressure Magnetization Measurements of A₂Mn[Mn(CN)₆] (A= K, Rb, Cs)

M. Sugimoto, Y. Kawamoto, S. Yamashita, H. Akutsu, Y. Nakazawa, J. G. Dasilva, C. M. Kareis, and J.S. Miller

(Osaka University)

P-09

Viscosity of Chalcogenides: Measuring and Utilizations

P. Košťál, J. Barták, J. Málek, H. Kawaji

(University of Pardubice)

P-10

Thermodynamic Study for the Order-Disorder Transition in Aqueous Schizophyllan Solutions

K. Yoshiba, T. Sato, and Y. Miyazaki

(Gunma University)

P-11

Thermodynamics Investigation of Bi-Layer Mott Insulator X[Ni(dmit)₂]₂ (X=Et-4BrT, Et-2I-5BrP)

R. Yoshimoto, S. Yamashita, Y. Nakazawa, T. Kusamoto, and R. Kato

(Osaka University)

P-12

High Pressure AC-Calorimetry of Molecular Compounds

R. Yoshimoto, S. Fukuoka, S. Yamashita, and Y. Nakazawa

(Osaka University)

P-13

Thermodynamic Study of π -d Interacting Systems of BETS salts

S. Fukuoka, S. Yamashita, H. Akutsu, Y. Nakazawa, H. Fujiwara,

T. Shirahata, and K. Takahashi

(University of Tokyo)

P-14

Thermodynamic Study of Novel Chiral Molecule-Based Magnets

S. Fukuoka, Y. Nakazawa, H. Higashikawa, and K. Inoue

(University of Tokyo)

P-15

Statistical Analysis of the Solid-State Polymerization for the Diacetylene Molecular Layer Adsorbed on Graphite Surface by Using STM

D. Takajo, A. Inaba, and K. Sudoh

(Osaka University)

P-16

Investigation of Change in Hydration Condition Between IGG and Cleaved FAB-FC Mixture by Adiabatic Calorimetry

N. Azuma, Y. Miyazaki, and A. Inaba

(Osaka University)

P-17

**Annealing Effect of the Ordering Behavior in the Ionic Liquid
(C₈mim)BF₄**

K. Watanabe, T. Takamatsu, T. Komai, and K. Negita
(Fukuoka University)

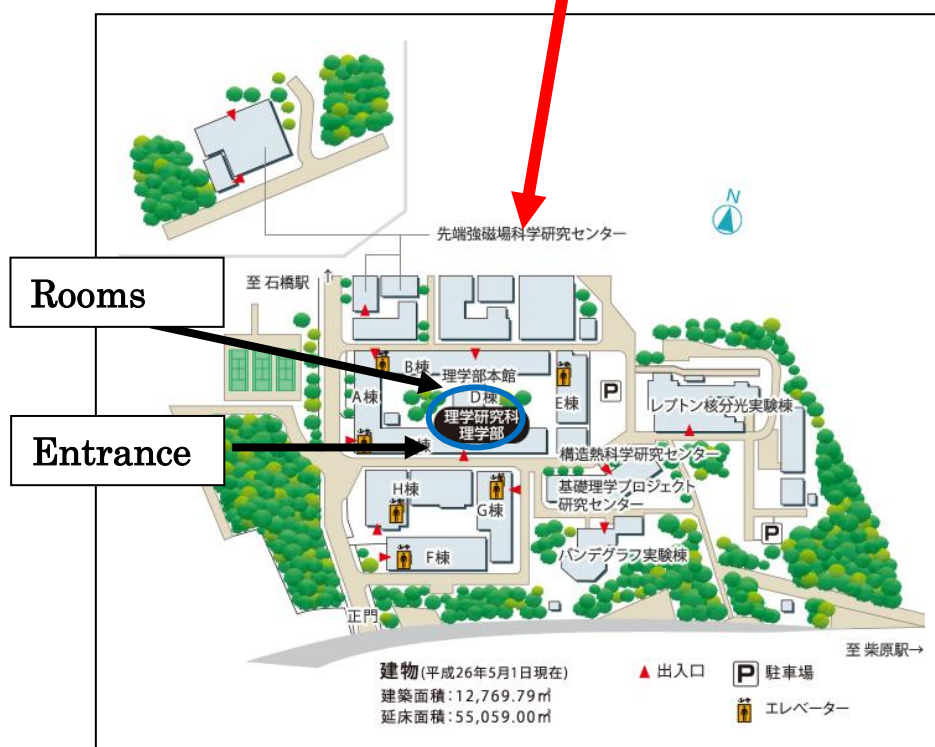
P-18

**The Third Derivatives of Gibbs Energy and Mixing Schemes in
Tetrahydrofuran Aqueous Solution**

K. Yoshida, A. Inaba, and Y. Koga
(Osaka University)

Date : September 27th / 2014
Place : D501 (&D303, D403) Rooms in Main Building of Department of Science

Access to Department of Science in Toyonaka Campus
5min walk from Shibahara Station of Osaka Monorail
25min walk from Ishibashi/Hotarugaike Station of Hankyu Takarazuka line



The International Symposium on Structural Thermodynamics 2014 ISST - 2014 *in Memory of Prof. Syuzo Seki*

Date : September 27 (Saturday) 2014

Time: 9:45 -18:00

Place : D501 & D403 Rooms



Main building of Graduate School of Science,
Osaka University, Toyonaka, Osaka, Japan

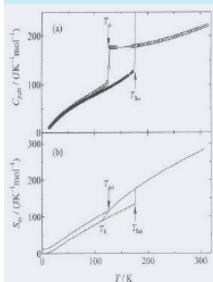
Scope: Thermodynamics of Condensed Matters
(Including Non-equilibrium system, Nano-structure materials, Single-molecules system)

Access: Shibahara station (Osaka Monorail)

Ishibashi, Station (Hankyu Railway)

Home page: <http://www.chem.sci.osaka-u.ac.jp/lab/micro/>

Invited Speakers;



Prof. Brian Woodfield (Brigham Young University USA)

Dr. Jean-Luc Pierre Garden (Institute Neel, France)

Prof. Ove Andersson (Umea University Sweden)

Prof. Sergei P. Kruchinin (Bogoluvov Institute for
Theoretical Physics, Ukraine)

Prof. Li-Xian Sun (Chinese Academy of Science, China)

Prof. Masaharu Oguni (Tokyo Institute of technology)

Prof. Hirohisa Yoshida (Tokyo Metropolitan University)

Prof. Masateru Taniguchi (Osaka University)

Prof. Motohiro Nakano (Osaka University)

Oral & Poster presentations

Banquet; (9/27 18:15-20:00)

This symposium is a satellite meeting of 50th Anniversary conference of JSCTA (Osaka Univ. 28-30 Sept.)

Organized by: Research Center for Structural Thermodynamics,
Osaka University

Supported by: Graduate School of Science, Osaka University

The Japan Society of Calorimetry and Thermal Analysis

関集三先生最終講義
状態の変化

—その化学熱学的研究—

昭和54年3月12日
大阪大学理学部大講義室