



Third Circular

8th International Symposium on Molecular Thermodynamics and Molecular Simulation (MTMS'18)

September 4-7, 2018 Nihon University, Narashino, Japan

<http://mtms18.jimdo.com>

 @MTMS2018



Scope

The 8th international symposium on “Molecular Thermodynamics and Molecular Simulation (MTMS '18)” will be held during September 4-7, 2018 at Tsudanuma Campus of Nihon University in Narashino, Japan.

The objective of this four-day symposium is to provide a forum to scientists and engineers to discuss the recent advances in the large area of molecular thermodynamics and molecular simulation. The symposium is structured with keynote lectures by eminent scientists and engineers, and oral and poster presentations.

Important dates

Deadline of abstract submission (Abstract submission of oral presentation was closed)	June 30, 2018 (Only Poster Presentation)
Notification of abstract acceptance	May 31, 2018
Deadline of early-bird registration	July 31, 2018
Deadline of proceedings submission	July 14, 2018
MTMS '18	September 4 to 7, 2018

Topics

- Molecular thermodynamics
- Thermophysical properties
- Solution structure of supercritical fluids
- Reaction in supercritical fluids
- Macromolecules
- Mesoscopic systems
- Ionic liquids
- Process design and simulation
- Molecular simulations and techniques
- Quantum Simulations

Registration

Registration fee

	General	Student
Before July 31, 2018	50,000 JPY	25,000 JPY
After July 31, 2018	55,000 JPY	30,000 JPY
Additional fees for conference dinner and conference banquet		
	General	Student
Dinner on September 5 (Wed.)	5,000 JPY	4,000 JPY
Banquet on September 6 (Thur.)	10,000 JPY	8,000 JPY

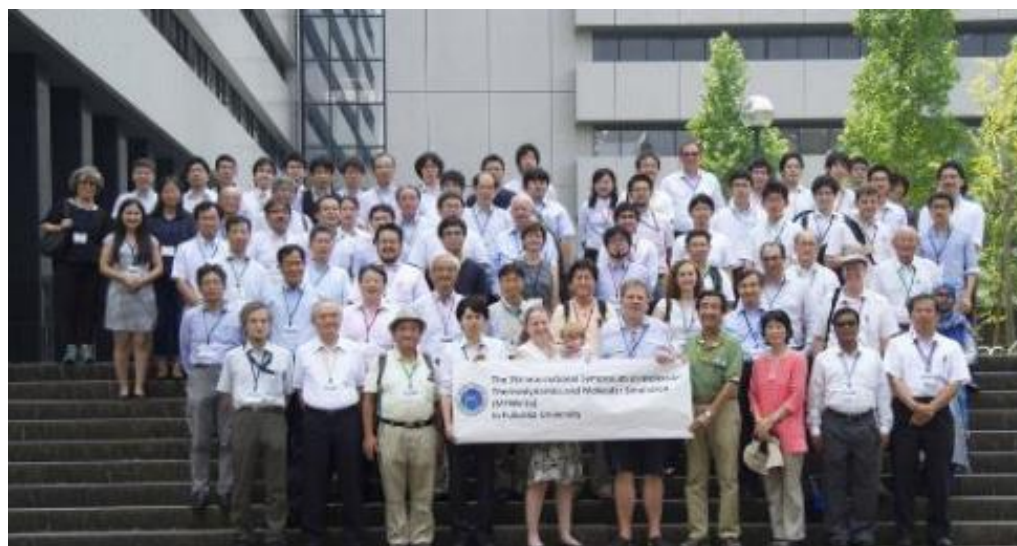


Photo of 7th MTMS 2015 Fukuoka, organized by Prof. Yoshio Iwai (Kyushu Univ.)

Tentative Program

*Additional information will be announced on the web site.

Tuesday, September 4	17:00 – 20:00 Registration 18:00 – 20:00 Welcome reception
Wednesday, September 5	8:30 – 18:00 Registration 8:30 – 18:00 Opening, Plenary and Keynote lectures, Oral presentations 12:40 – 13:50 Lunch 18:00 – 20:00 Dinner
Thursday, September 6	8:30 – 12:20 Registration 8:30 – 10:00 Oral presentations 10:00 – 12:20 Poster presentations 12:20 – 13:30 Lunch 13:40 Group photo 13:50 – 19:00 Excursion (Naritasan Shinshoji Temple) 19:00 – 21:00 Banquet (Sapporo Breweries Chiba Beer Restaurant)
Friday, September 7	8:30 – 12:00 Registration 10:00 – 12:50 Oral presentations 12:50 Closing

Invited Speakers

Plenary lecture

- **Prof. Ioannis G. Economou** (Texas A&M Univ. at Qatar, Qatar) “Molecular Design and Prediction of Structure and Physical Properties of Complex Chemical Systems of Importance to the Oil and Gas Industry”

Keynote lectures

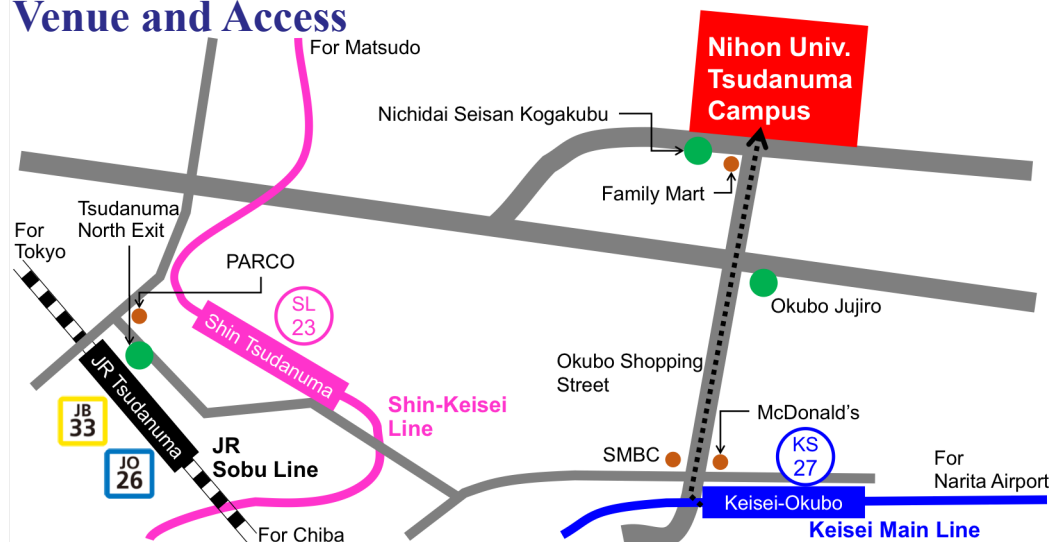
- **Prof. Clare McCabe** (Vanderbilt Univ., USA) “Examining the Self-Assembly of Stratum Corneum Lipid Mixtures”
- **Prof. Peter Cummings** (Vanderbilt Univ., USA) “Computational Screening of Soft Materials Systems with Application to Nano-Lubrication Systems”
- **Prof. Georgios Kontogeorgis** (Danmarks Tekniske Universitet, Denmark) “Current Status and Challenges in Electrolyte Thermodynamics”
- **Prof. Cornelis J. Peters** (Khalifa Univ. of Science and Technology, UAE and Colorado School of Mines, USA) “Capturing Impurities from Oil and Gas Using Deep Eutectic Solvents”
- **Prof. Edward Maginn** (University of Notre Dame) “Using Reaction Ensemble Monte Carlo Simulations to Understand How Solvation and Confinement Affects Equilibrium Concentrations of Reacting Mixtures”

Invited lectures

- **Prof. Yoshio Iwai** (Kyushu Univ. Japan) “Correlation of Phase Equilibria by New Activity Coefficient Model”
- **Prof. Jian Zhou** (South China Univ. of Technology, China) “Multiscale Modeling and Simulations of Protein Adsorption at Interfaces”
- **Dr. Z. Nevin Gerek** (Schneider Electric, USA) “Challenges and Solutions for Next Generation Process Simulators”
- **Prof. Hirotoshi Mori** (Ochanomizu Univ., Japan) “Materials Informatics for Designing Functional Liquids”
- **Prof. Ryo Nagumo** (NITech, Japan) “Molecular Dynamics Simulation Study on the Correlations between Macroscopic Properties and Microscopic Interactions of CO₂ Physical Absorbents”
- **Prof. Tomohiro Furusato** (Nagasaki Univ., Japan) “Generation of Pulsed Arc Discharge Plasma in Supercritical Carbon Dioxide”
- **Dr. Tatsuya Fujii** (AIST, Japan) “Development of Fast Continuous Supercritical CO₂ Extraction/Separation Process Using Micromixer”

Other contributions: 19 Oral and 61 Poster presentations

Venue and Access



- **By Walk:** A 10-minute walk from the exit of Keisei Okubo Station on the Keisei Main Line.
- **By Bus:** Take the bus from the No. 4 bus stop at the north exit of JR Tsudanuma Station to the “Nichidai Seisan Kogakubu” bus stop.

Contact: Scientific Secretary Hiroyuki Matsuda (Nihon Univ., Japan)

E-mail: matsuda.hiroyuki@nihon-u.ac.jp

MTMS 2018

Search



@MTMS2018