



9th International Symposium on Molecular Thermodynamics and Molecular Simulation (MTMS '21)

September 7-9, 2021 (JST) Virtual

Second Circular

<http://mtms21.jimdofree.com>

Scope

The 9th international symposium on “Molecular Thermodynamics and Molecular Simulation (MTMS '21) will be held during September 7-9, 2021 on virtual.

The objective of this three-day symposium is to provide a forum for scientists and engineers to discuss recent advances in the area of molecular thermodynamics and molecular simulation. The symposium is structured with keynote lectures by eminent scientists and engineers, and a select number of oral presentations. Moreover, poster session with chat discussion and flash presentation will be planned.

MTMS is held at three-year intervals since 1994 at the following places:

1st 1994 Kyoto, organized by Prof. Koichiro Nakanishi (Kyoto Univ.)

2nd 1997 Tokyo, organized by Prof. Hideo Nishiumi (Hosei Univ.)

3rd 2003 Sendai, organized by Prof. Hiroshi Inomata (Tohoku Univ.)

4th 2006 Makuhari, organized by Prof. Toshihiko Hiaki (Nihon Univ.)

5th 2009 Kanazawa, organized by Prof. Kazuhiro Tamura (Kanazawa Univ.)

6th 2012 Higashi-Hiroshima, organized by Prof. Shigeki Takishima (Hiroshima Univ.)

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

8th 2018 Narashino, organized by Prof. Kiyofumi Kurihara (Nihon Univ.)

9th 2021 Virtual, organized by

**Prof. Yoshiyuki Sato (Tohoku Institute of Technology) and
Dr. Mitsuhiro Kanakubo (AIST)**

Topics

- Molecular thermodynamics
- Thermophysical properties
- Supercritical fluids
- Macromolecules
- Ionic liquids
- Mesoscopic systems
- Molecular simulations and techniques
- Quantum Simulations
- Process design and simulation
- Application of thermophysical properties and phase equilibria

Registration Fee

General:

Member of Co-sponsorship and Support* 20,000 Yen

* The Society of Chemical Engineers, Japan (SCEJ)

Japan Society of Thermophysical Properties (JSTP)

The Society of Separation Process Engineers, Japan (SSPEJ)

Non-Member 30,000 Yen

Student: 10,000 Yen

Presentation Type

- **Oral Presentation:** 20 minutes including questions and answers (approx. 4 or 5 minutes per talk)
- **Poster Presentation with Flash Talk:** Chat discussion throughout a certain period in the symposium with 10 minutes flash talk including questions and answers

Please visit MTMS '21 website to obtain additional information:

<http://mtms21.jimdofree.com>

or [MTMS 2021](#)

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Important dates

Abstract deadline for oral and flash presentations	July 16, 2021
Notification of abstract acceptance	July 30, 2021
Early registration	July 1 to August 20, 2021
Deadline for proceedings submission	August 20, 2021
MTMS '21	September 7 to 9, 2021

Program *Additional information will be announced on the web site.

Tuesday, September 7, 2021	Opening session
Wednesday, September 8	Plenary, Keynote, and Invited lectures Scientific session
Thursday, September 9	Flash presentations (Parallel) Closing

Invited Speakers (As of June 25, 2021)

Plenary lecture

- Prof. Georgios Kontogeorgis (Danmarks Tekniske Universitet, Denmark)

Keynote lectures

- Prof. Clare McCabe (Vanderbilt Univ., USA)
- Prof. Ana Soto (Univ. of Santiago de Compostela, Spain)
- Prof. Ioannis G. Economou (Texas A&M Univ. at Qatar, Qatar)
- Prof. Yoshio Iwai (Kyushu Univ., Japan)
- Prof. Peter Cummings (Vanderbilt Univ., USA)
- Prof. Cornelis J. Peters (Colorado School of Mines, USA)
- Prof. V. K. Rattan (GNA Univ., India)

Invited lectures

- Prof. Tomoya Tsuji (UTM, Malaysia)
- Prof. Chau-Chyun Chen (Texas Tech Univ., USA)
- Prof. Richard Lee Smith, Jr. (Tohoku Univ., Japan)
- Prof. Hiroshi Inomata (Tohoku Univ., Japan)
- Dr. Bastian Schmid (DDBST, Germany)

Invited lectures (cont.)

Special Issue

Special issue of MTMS '21 in the journal Fluid Phase Equilibria (FPE) will be edited by Prof. Yoshiyuki Sato and Dr. Mitsuhiro Kanakubo as guest-editors.

We invite all conference participants to submit a manuscript for publication in the special issue. Please note that all submissions must comply with the scope of FPE and will be peer reviewed in the same manner as all other articles published in FPE.



Photo of 8th MTMS 2018 Narashino, organized by Prof. Kiyofumi Kurihara (Nihon Univ.)

Contact

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