



2023 Joint Symposium on Molten Salts November 12-16, 2023, Kyoto, JAPAN

The Organizing Committee of 2023 Joint Symposium on Molten Salts
Co-sponsors: Molten Salt Committee, The Electrochemical Society of Japan

Photo: <https://photo53.com/>

Overview

Molten salts generally include conventional high-temperature molten salts, metal molten salt systems, glass-forming systems, and room-temperature molten salts, more commonly called ionic liquids. Molten salt chemistry and technology are becoming increasingly important for the realization of a carbon-neutral society. Notable recent applications include batteries, green smelting, recycling, CO₂ utilization, nuclear power, pyrochemical reprocessing of nuclear fuel, and more.

This joint symposium includes three historical meetings on molten salts and ionic liquids: "12th International Conference on Molten Salt Chemistry and Technology" (since 1983), "8th Asian Conference on Molten Salt Chemistry and Technology" extended from "Japan-China Bilateral Conference on Molten Salt Chemistry and Technology" (since 1986), and "55th Symposium on Molten Salt Chemistry in Japan" (since 1958).

This symposium aims to discuss and deepen our understanding of the basic science of molten salts, such as structure, dynamics, electrochemistry, interfacial and thermodynamic properties, as well as the latest applications that contribute to the sustainable development of humanity, as described above.

Special Issue

After the symposium, all participants are encouraged to submit a full paper to the Special Issue of *Electrochemistry*. *Electrochemistry* is a peer-reviewed journal published by The Electrochemical Society of Japan. Details on submission procedures and deadlines will be announced later.

Contact Information

Chair – Toshiyuki Nohira, Prof.
Secretariat – Takayuki Yamamoto, Dr.
Yutaro Norikawa, Dr.

Institute of Advanced Energy
Kyoto University
Gokasho, Uji, Kyoto 611-0011, Japan
E-mail: ms12@msc.electrochem.jp
Phone: +81-774-38-3500
FAX: +81-774-38-3499

See also <https://msc.electrochem.jp/ms12/>

Preliminary Program

Nov. 12 Registration
Get together Party
Nov. 13 Opening, Plenary Lecture
Session
Nov. 14 Plenary Lecture, Session
Nov. 15 Session, Banquet
Nov. 16 Session, Closing Remarks

Scientific Program

This symposium covers a wide range of basic and applied aspects of molten salt chemistry and technology.

- Electrodeposition, Corrosion
- Thermodynamics
- Rechargeable batteries
- Ionic liquids
- Industrial electrolysis, Smelting
- Fuel cells
- Surfaces, Interfaces, Nanoscale
- Spectroscopy, Modeling, Simulation
- Nuclear energy

The focus will also be on environmental and energy technologies. The program will consist of plenary lectures, invited talks, oral presentations, and poster presentations.

Symposium Venue

The venue is Kyoto Garden Palace located in the central area of Kyoto city, where you can enjoy the beautiful seasons of Kyoto Imperial Palace in relaxing and quiet surroundings.



605 Tatsumaecho, Shimochojamachi-agaru,
Karasuma-dori, Kamigyo-ku, Kyoto 602-0912, Japan
<https://www.hotelgp-kyoto.com/english/>

Accommodation

Since Kyoto Garden Palace has 99 rooms for guests/participants for the symposium, a part of participants can stay at the hotel. The other participants will be expected to stay at nearby hotels. Accommodation fees will be announced later.

Important Dates

Abstract submission
May 31, 2023

Registration
July 15, 2023

Organizing Committee Chairperson

Toshiyuki Nohira

Co-chairpersons

Yasushi Katayama
Takuya Goto
Mikito Ueda

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