

## VENUE

The conference will be held in three sites, Integrated Building, ES building and Noyori Conference Hall, of Nagoya University (Higashiyama Campus). Nagoya University can be easily accessed from the Central Japan International Airport “Centrair” by train (Meitetsu Line, Central Japan International Airport - Kanayama, about 25 min) and subway (Meijo Line, Kanayama - Nagoya Daigaku, about 20 min). For the campus map, refer to

<http://en.nagoya-u.ac.jp/map/index.html>

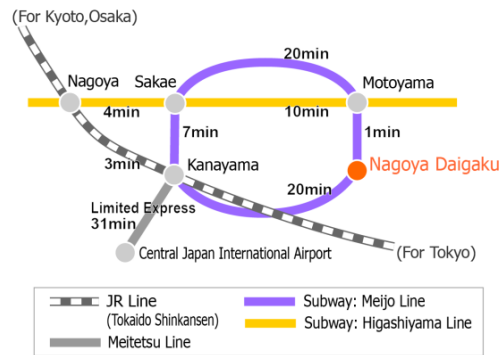
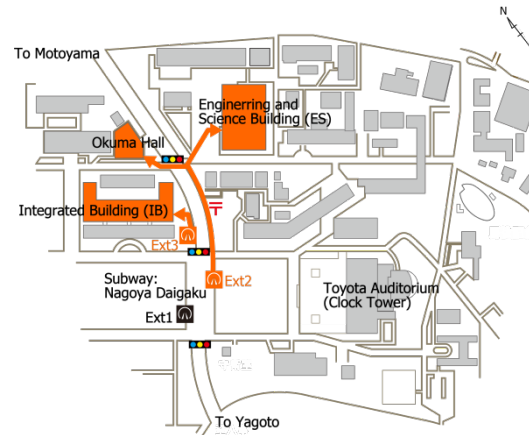


<Venue for ICMaSS2023: Integrated Building>

Located in the geometrically central district of Japan, Nagoya City is world-famous for various industries of advanced ceramics, aerospace, automobiles etc., and also known for its historical sites such as “Three Great Shoguns” and beautiful castles. The conference attendants can fully enjoy historical sites, museums and downtown before and/or after the ICMaSS2023. The information will be available at the conference desk. The climate in the Nagoya area in December is characterized by average temperatures ranging from +4 °C (39 °F) to + 12°C (54 °F) with some possibility of rain



Institute of Materials and Systems for Sustainability



## CONTACT

Secretary-General  
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## Call for Papers



in conjunction with

Recent advancement of high-voltage  
electron microscopy

Interface between insulators and compound  
semiconductors

**December 1 – December 3, 2023**

Nagoya University, Nagoya, Japan

**Organized by**  
Organizing committee of ICMaSS2023,  
Nagoya University



<https://www.icmass.imass.nagoya-u.ac.jp/>

## INTRODUCTION

The Institute of Materials and Systems for Sustainability (IMaSS) of Nagoya University was established as a research organization aiming to tackle various technical issues required to overcome in order to realize a sustainable society in harmony with nature. Currently, consisting of 10 industry-academia collaborative research departments, including the Center for Integrated Research of Future Electronics, the Advanced Measurement Technology Center, the Division of Materials Research, the Division of Systems Research, two funded research divisions, and two laboratories, we promote multifaceted and cutting-edge research in a wide range of fields, from materials / devices to systems. We have been designated by the Ministry of Education, Culture, Sports, Science and Technology as a joint usage / research center of materials and systems for innovative energy-saving. Striving for sophistication and super-efficiency in energy creation / conversion, storage, transmission and utilization, we promote joint research with researchers nationwide in an extensive research sphere covering fundamental research on energy saving to systematization toward societal implementation. We are actively engaged in research mainly through joint efforts based on collaboration agreements with industry-government-academia organizations both at home and abroad, a wide variety of collaborative joint research projects, and consortium activities.

We will hold the International Conference on Materials and Systems for Sustainability 2023 (ICMaSS2023) for three days, from December 1 to 3, 2023, at Nagoya University for the purpose of exchanging and disseminating academic information, including the latest research results in the above-mentioned wide-ranging research field, and of providing an opportunity to build a network of researchers. This international conference has been held biennially since 2005. It is expected that the ICMaSS2021 will serve as a forum once again where researchers and engineers who work in a wide range of research areas toward realizing a sustainable society will gather together for active exchange of information and interaction. It is also expected that the international conference will contribute to the development of academia and the growth of human resources. We look forward to the participation of researchers and engineers in related fields, especially young researchers and engineers who will underpin research on a future environmentally friendly society.

ICMaSS2023 Executive Committee Chair  
Professor Shunsuke MUTO

Institute of Materials and Systems for Sustainability, Nagoya University

## Area (tentative)

- \* Nuclear Emulsion Workshop
- \* Graphene and Two-Dimensional Materials
- \* Advanced Materials for Energy and Environmental Applications
- \* Technology Trends in Electric Power Networks toward Carbon Neutrality by 2050
- \* Energy Conversion Systems
- \* Electric Power Energy Systems
- \* Communication Systems
- \* Transportation Systems
- \* Low Carbon/Environmental Conservation Technology and Systems
- \* Division of Systems Research: Resilient society and system technology

### Joint Symposia

- \* Recent advancement of high-voltage electron microscopy – In Commemoration of the 50th Anniversary of the HVEM Laboratory at Nagoya University –
- \* Interface between insulators and compound semiconductors

## PLENARY SPEAKERS

Professor Ferdinando Villa (Ikerbasque Professor, Basque Centre for Climate Change)

Professor Edward Yi Chang (National Yang Ming Chiao Tung University)

Professor Yuichi TSUDA (Institute of Space and Astronautical Science)

## CALL FOR PAPERS

Research fields ranging from materials to system technologies will be of interest in the conference. Scientists and engineers from any discipline, who are engaged in research, development and technology areas related to such research fields, are invited to contribute papers. All submitted papers will be presented for the publication and presentation in oral or poster sessions. Younger scientists and students are particularly welcome to ICMaSS2023. Best presentation prizes will be awarded to outstanding authors of poster sessions.

Those who intend to contribute papers are requested to submit an abstract of not more than 200 words through the web. After acceptance of the abstract, the authors should submit the extended abstract. The length of the extended abstract should fit on one A4 page including all

references, tables and figures.

The web site ICMaSS2023 is located below:

<https://www.icmass.imass.nagoya-u.ac.jp/>

Please refer to the IMPORTANT DATES for the conference schedule. The details of the conference will be available at the conference web site.

The e-mail address of the conference office:

[icmass2023@c-linkage.co.jp](mailto:icmass2023@c-linkage.co.jp)

## IMPORTANT DATES

Deadline of Short Abstract Submission	July 8, 2023
Acceptance Notification	August 5, 2023
Deadline of Extended Abstract Submission	September 2, 2023
Deadline of Early Registration	September 23, 2023
Announcement of Final Program	October 17, 2023

✳️ All the contributors are required to register by Sept. 23, 2023.

## REGISTRATION FEE

	Delegates	Students
Early (On or before Sept. 23 )	30,000JPY	5,000JPY
After Sept. 24	40,000JPY	10,000JPY

## BANQUET FEE

Delegates	Students
10,000JPY	5,000JPY

## ORGANIZATION

### ORGANIZING COMMITTEE

Institute of Materials and Systems for Sustainability, Nagoya University

Chair: Prof. Ichiro NARUSE

Vice-Chairs: Prof. Koh SAITOH

Prof. Toshiyuki YAMAMOTO

### EXECUTIVE COMMITTEE

Institute of Materials and Systems for Sustainability, Nagoya University

Chair: Prof. Shunsuke MUTO

Secretary General: Prof. Yutaka OHNO

Program Chair: Prof. Masaaki MIZUGUCHI