



**Institute of Materials and Systems for Sustainability**

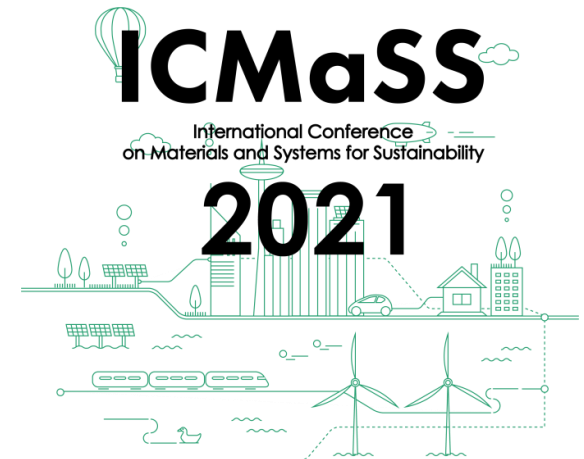
## CONTACT

Secretary-General  
Prof. Minoru OSADA  
Institute of Materials and Systems for Sustainability,  
Nagoya University  
Furo-cho, Chikusa-ku, Nagoya 464-8601, Japan

ICMaSS2021 Office  
c/o Intergroup  
Phone: +81-52-581-3241  
E-mail: [icmass2021@intergroup.co.jp](mailto:icmass2021@intergroup.co.jp)



Call for Papers



in conjunction with

**International Symposium on Design &  
Engineering by Joint Inverse Innovation for  
Materials Architecture  
(DEJI2MA)**

**Harmonic Fusion of Renewable Energy and  
Commercial Electric Power System**

**November 4 – November 6, 2021**  
Online

**Organized by**  
Organizing committee of ICMaSS2021,  
Nagoya University



<http://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 2021 (ICMaSS2021) for three days, from November 4 to November 6, 2021, 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.

ICMaSS2021 Executive Committee Chair  
Professor Nobuyuki IKARASHI  
Institute of Materials and Systems for Sustainability, Nagoya University

## Area (tentative)

1. Nitride Semiconductors (Materials, Devices and Systems)
2. Nano material-based electronics
3. Materials and Process Informatics
4. Energy Harvesting Technologies
5. Nanomaterials
6. Advanced Measurements
7. Nuclear Emulsion Technology
8. Nanomaterials with confined space
9. Materials for Energy Related Applications
10. Energy Conversion and Systems
11. Electric Power Energy Systems
12. Communication Systems
13. Transportation Systems
14. Low Carbon/Environmental Conservation Technology and Systems

### Joint Symposia

\*International Symposium on Design & Engineering by Joint Inverse Innovation for Materials Architecture (DEJIMA)

\*Harmonic Fusion of Renewable Energy and Commercial Electric Power System

## PLENARY SPEAKERS

Professor Chris Van de Walle  
(University of California, Santa Barbara)  
Professor Kazuhiro Hono  
(National Institute of Materials Science)  
Professor Hiroki Kuwano (Tohoku University)  
Professor Tomás Palacios  
(Massachusetts Institute of Technology)

## 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 ICMaSS2021. 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 ICMaSS2021 is located below:

<http://www.icmass.imass.nagoya-u.ac.jp/2021/>

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:

[icmass2021@intergroup.co.jp](mailto:icmass2021@intergroup.co.jp)

## IMPORTANT DATES

Deadline of Short Abstract Submission	June 8, 2021
Acceptance Notification	July 2, 2021
Deadline of Extended Abstract Submission	August 3, 2021
Deadline of Early Registration	August 27, 2021
Announcement of Final Program	September 17, 2021

※All the contributors are required to register by August 27, 2021.

## REGISTRATION FEE

	Delegates	Students
Early (On or before August 27)	30,000JPY	5,000JPY
After August 27	40,000JPY	10,000JPY

## ORGANIZATION

### ORGANIZING COMMITTEE

Institute of Materials and Systems for Sustainability, Nagoya University

Chair: Prof. Ichiro NARUSE

Vice-Chairs: Prof. Tomomi UCHIYAMA

Prof. Koh SAITOH

Institute of Materials and Systems for Sustainability, Nagoya University

### EXECUTIVE COMMITTEE

Chair: Prof. Nobuyuki IKARASHI

Secretary General: Prof. Minoru OSADA

Program Chair: Prof. Kenji SHIRAIISHI