



# The 11th International Conference on Reactive Plasmas (ICRP-11)



# The 75th Annual Gaseous Electronics Conference (GEC 2022)

**Date** : October 3 – 7, 2022

**Venue** : Sendai International Center, Sendai / Japan

## **Organized by**

GEC Executive Committee & International Organizing Committee of ICRP-11

## **Supported by**

American Physical Society

## **Co-sponsored by**

The Japan Society of Applied Physics



**This is the first time in history that GEC is held in Japan.**



# CONFERENCE TOPICS

## 1. Atomic & molecular process

1.00 Atomic and molecular collisional and dynamical processes

⋮

1.05 Distribution functions and transport coefficients for electrons and ions

1.06 Other atomic and molecular collision phenomena

## 2. Plasma science

2.01 Nonequilibrium kinetics of low-temperature plasmas

⋮

2.23 Gas phase plasma chemistry

2.24 Other plasma science topics

## 3. Plasma applications

3.01 Plasmas for light production: laser media, glows, arcs, flat panels, and novel sources

⋮

3.10 Plasma for other materials processing and synthesis

# WILL ALLIS PRIZE TALK



Makabe, Toshiaki  
Keio University, Japan

“40 years with studies on radiofrequency plasma  
and related transport theory”

The GEC Executive Committee is pleased to recognize  
Professor Emeritus Makabe as the recipient of  
the 2022 Will Allis Prize for the Study of Ionized Gases.

# WORKSHOP

1. Industrial plasma technologies
2. Plasma physics for space propulsion technologies
3. Functional surfaces in plasma elementary and process-applicable reactions
4. Catalytic effects in plasma-liquid interaction





# AWARDS & GRANTS

## The GEC Student Award for Excellence:

One awardee will be selected and receive a \$1,000 USD prize.

The application materials must be emailed to the chair of the GEC 2022 Student Award for Excellence Committee, **Dr. Stephan Reuter** by **4:00 pm US Central Time on June 10, 2022.**

## The GEC Student Poster Prize:

Student applications are to be emailed to the chair of the GEC 2022 Student Poster Prize Committee, **Dr. Masaya Shigeta** by **noon US Central Time on September 26, 2022.**

## The Student Travel Grant:

Submit nominations to GEC 2022 Scholarship chair, **Dr. Tetsuji Shimizu** by **4:00 pm US Central Time on June 10, 2022.**



# Abstract Submission Deadline: **June 10, 2022**



**ICRP-11 / GEC 2022**  
11th International Conference on Reactive Plasmas /  
2022 Gaseous Electronics Conference /  
40th Symposium on Plasma Processing (SPP-40) /  
35th Symposium on Plasma Science for Materials (SPSM35)

Date : October 3 - 7, 2022  
Sendai International Center Conference Building  
Joint Conference in Sendai, Japan

Photo courtesy of Miyagi Prefecture Tourism Promotion Division

The banner features a central image of a samurai on a horse statue in the foreground, set against a scenic background of a lake and islands in Sendai, Japan. The text is overlaid on the image in orange and white colors.

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<https://www.ecei.tohoku.ac.jp/plasma/ICRP-11/>