

The 31st Annual Meeting of IAPS

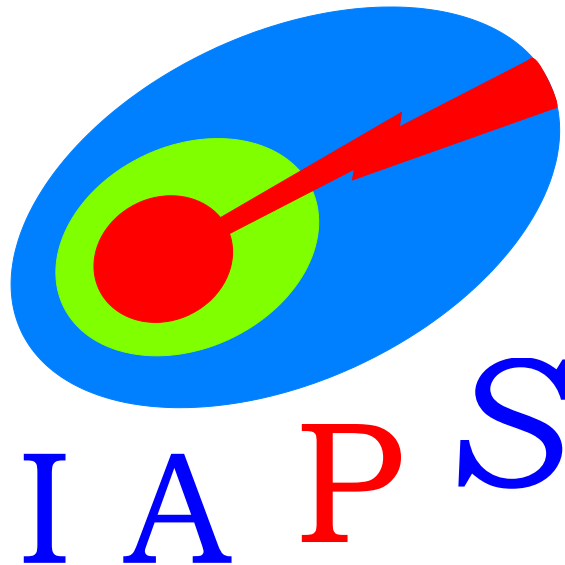
The 17th International Workshop on Plasma Application and Hybrid Functionally Materials

March 22-25, 2024

at

Pacifico Yokohama

Yokohama



Sponsored by

Institute of Applied Plasma Science

Co-sponsored by

Tokyo City University

In Cooperation with

Chulalongkorn Univ., Warsaw Univ. of Tech.

Dalian Univ. of Tech., King Saud Univ.

The 31st Annual Meeting of Institute of Applied Plasma Science

The 17th International Workshop on Plasma Application and Hybrid Functionally Materials

**March 22-25, 2024
Pacifico Yokohama**

IAPS Meeting 2024 in Yokohama

October 2023

Dear Participants:

The 31st Annual Meeting of IAPS, and the 17th International Workshop on Plasma Application and Hybrid Functionally Materials will be held at Pacifico Yokohama, on March 22(F) - 25(M) in 2024.

This international event follows the First International Workshop held in Dalian, China in March 2008, the Second held in Kobe, Japan in March 2009, the Third in Busan, Korea in February 2010, the Forth held in Melbourne, Australia in March 2011, the Fifth held in Taipei, Taiwan in March 2012, and the Sixth held in Kuala Lumpur, Malaysia in March 2013, the Seventh held in Hong Kong Polytechnic University, Hong Kong in March 2014, the Eighth held in Waikiki, Hawaii in March 2015, and the 9th held in Bangkok in March, 2016. **The 10th** was held in Hanoi in March 2017, and the IAPS Meeting 2018: the 11th International Workshop was held in Manila in March 2018. And the IAPS Meeting 2019: the 12th International Workshop was held in Naha, Okinawa on March 8(F) -11(M) in 2019. The IAPS Meeting 2020: the 13th International Workshop was held in Osaka on Sept 26-27 in 2020, and the IAPS Meeting 2021: the 14th International Workshop on Plasma Application and Hybrid Functionally Materials was held in Tokyo on March 27-29 in 2021. The IAPS Meeting 2022: the 15th International Workshop was held in Fukuoka on March 25-28 in 2022. And the IAPS Meeting 2023: the 16th International Workshop on Plasma Application and Hybrid Functionally Materials was held in Kobe on March 31-April 3 in 2023.

The IAPS Meeting has been held annually in Japan since the establishment. The first meeting was held in Osaka. 30-50 members of IAPS participate in the annual meeting every time from all over Japan and present the front data related on the Applied Plasma Science and discuss with each other about the mutual issues on the various plasma applications and so on. The topics of IAPS Meeting focus mainly on plasma applications, including applications in microelectronics and application to environmental problems, as well as applications of other high-energy sources, such as electron, ion and laser beams. We, this time also, expect that many research results will be presented and a lot of questions and answers, and moreover valuable discussions will be there.

We would like to invite you to participate in the **IAPS Meeting 2024: the 17th International Workshop on Plasma Application and Hybrid Functionally Materials** at Pacifico Yokohama, on March 22(F) - 25(M) in 2024. Let's enjoy the opportunity to have an extensive communication and discussion on applied plasma science together with other colleague scientists. We are looking forward to seeing you in Yokohama in March 2024.

Sincerely yours,

Prof. Akira Kobayashi
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ORGANIZATION

Organizing Committee of IAPS Meeting 2024 and the 17th International Workshop on Plasma Application & Hybrid Functionally Materials

Akira Kobayashi; Chair	<i>Chulalongkorn University</i>
Kimiya Komurasaki	<i>University of Tokyo</i>
Ai Momozawa	<i>Tokyo City University</i>
Hirokazu Tahara	<i>Osaka Sangyo University</i>
Nobuya Hayashi	<i>Kyushu University</i>
Yue Liu	<i>Dalian University of Technology</i>
Ryszard Sitek	<i>Warsaw University of Technology</i>
Rattachat Mongkolnavin	<i>Chulalongkorn University</i>

Executive Committee:

Chair:	A. Momozawa	<i>Tokyo City University</i>
Co-Chair:	A. Kobayashi	<i>Chulalongkorn Univ.</i>
Members:	K. Takaki	<i>Iwate University</i>
	Y. Ando	<i>Ashikaga University</i>
	S. Yokota	<i>University of Tsukuba</i>
	J. Aoyagi	<i>Yamanashi University</i>
	H. Watanabe	<i>JAXA</i>
	M. Nakano	<i>Tokyo Metr.o Coll. Ind. Tech.</i>
	K. Komurasaki	<i>University of Tokyo</i>
	R. Kawashima	<i>Shibaura Institute of Tech.</i>
	H. Horisawa	<i>Tokai University</i>
	M. Matsui	<i>Shizuoka University</i>
	H. Shiraishi	<i>Daido University</i>
	T. Miyasaka	<i>Gifu University</i>
	H. Tahara	<i>Osaka Sangyo University</i>
	S. Tashiro	<i>Osaka University</i>
	T. Matsutani	<i>Kindai University</i>
	Y. Hashimoto	<i>Kobe City College of Tech.</i>
	N. Hayashi	<i>Kyushu University</i>
Y. Takao	<i>Nishinippon Institute of Technology</i>	
R. Mongkolnavin	<i>Chulalongkorn University</i>	
Y. Liu	<i>Dalian University of Technology</i>	
C-J. Li	<i>Xi'an Jiaotong University</i>	
S. Yugeswaran	<i>Pondicherry University</i>	
G. Shanmugavelayutham	<i>Bharathiar University</i>	
C.P. Lungu	<i>INFLPR</i>	
R. Sitek	<i>Warsaw University of Technology</i>	
Refat Ahmed El-Sheikhy	<i>King Saud University</i>	

[Guide to IAPS Meeting 2024 & International Workshop](#) at Pacifico Yokohama, NORTH

The official language for the conference will be English.

[Registration]

All the participants should pay the following Registration Fee at the registration desk. Registration will be open at the Foyer in front of the conference room: G420 of NORTH 4F on [March 22-25, 2024](#).

	Member of IAPS	Regular Reg. Fee	for student
Registration Fee	30,000 yen	36,000 yen	15,000 yen
Pre-Registration (up to Jan.31, 2023)	25,000 yen	30,000 yen	12,000 yen

Note:

- ✧ Registration fee does not cover the meals (lunch, banquet, etc.).
- ✧ Fee for an accompanying person (companion) is 10,000 yen, which covers the meals.
- ✧ Student who is not accompanied by the regular participant should pay the regular registration fee.
- ✧ For student, the registration fee does not include the proceedings (2,000 yen for a copy).
- ✧ Each registrant can submit only one paper.
- ✧ All payment for registration should be made in Japanese Yen.

For convenience of the preparation, it is preferable that Registration fee should be remitted to the following Bank Account by [January 31, 2024](#).

Bank name: Sumitomo-Mitsui Banking Corporation, Ibaraki Branch

SWIFT CODE: SMBC JP JT

Address: 7-6 Eidai-cho, Ibaraki, Osaka 567-0816, JAPAN

Phone: +81-72-624-4951

Account Name: IAPS MEETING

Account Number: 4127246

Research Fields

This workshop mainly focuses on the Applications of Plasma Science and other high-energy sources (electron beam, ion beam, laser beam, etc.); Plasma applications in microelectronics; Plasma applications to environmental problems, Advanced materials & Characterization and related applied sciences.

[Research Topics]

- Plasma production, diagnostics, modeling & simulations
- Plasma propulsions and Energy applications
- Plasma processing (surface modification, deposition, thermal spray, etc.)
- Plasma processing for *high heat resistant materials*
- Plasma applications *in microelectronics*
- Plasma applications to *environmental problems*
- Advanced plasma processing
- Advanced materials (hybrid functionality, composite, microelectronics, etc.)
- Characterization and evaluation of materials
- Industrial applications of directed energy sources (e-beams, ion beams, lasers)

Proceedings

Proceedings of the IAPS Meeting will be published prior to the symposium. All the manuscripts (1 or 2 pages length) submitted before the deadline will be published in the journal “**Plasma Application & Hybrid Functionally Materials**”, Vol.33, 2024 (ISSN 1340-9557) by the IAPS at the time of the workshop. The guideline for preparation of manuscript will be sent to prospective authors at a later date and the deadline of the manuscript for the proceedings is **January 25, 2024**. *Late manuscripts may not be accepted for publication in the Proceedings of IAPS meeting, “Plasma Application & Hybrid Functionally Materials”, Vol.33, 2024.*

[Frontier of Applied Technology, Volume 17-2]

Authors of selected papers presented at the International Workshop will be invited to submit 6 pages length, peer-refereed manuscripts for publication in the Journal “**Frontier of Applied Plasma Technology**” (ISSN 1883-5589, indexed in CA (CODEN: FAPTBK)) by IAPS. The publication fee for the special issue is 20,000 yen (Regular Price: 25000yen). The method for contributing to “Frontier of Applied Plasma Technology” Vol.17 No.2 will be informed to the authors who intend to submit papers. Also the article preparation guide for the proceedings will be sent to the prospective authors at a later date.

[Program]

The program of the IAPS Meeting & the International Workshop will be prepared by the middle of Feb. 2023 after the **Manuscripts** are accepted by **Feb. 15, 2024**. Plenary Session and more number of Oral and Poster Sessions are planned during the conference period. Both oral and poster presentations will be included in the conference program. Student should essentially present in poster presentation. This program is subject to change without notice to the participants.

[Excursions]

Sightseeing tour to Yokohama bay area is world famous place, and other famous tourist spot in Yokohama, will be planned on March 24, 2024. The details of the post conference tour will be suggested at a later date. Some optional tours will also be prepared by the travel agency.

[Accommodation]

The Pacifico Yokohama is located at the south of the downtown area of Yokohama City. And there are many hotels nearby. Rooms of some hotels are introduced for the IAPS 2024 participants between 21-26 March 2024(3-5 nights). The room charge of available hotels will be US\$150-200 for night, which has different room types. The Yokohama Bay Hotel Tokyu is recommended as a conference hotel and the room charge of this hotel will be US\$180-220 for night. The number of rooms is limited, so participants should inform an intention on their accommodations to the organizing committee earlier until January 31, 2024, and reserve the room by the reservation form.

[Location & Transportation]

Yokohama is one of the biggest harbor cities in Japan. The Pacifico Yokohama, conference site, is located nearby the city center area. Yokohama downtown is walking distance from the conference site. It takes only 50 minutes from Tokyo Haneda International Airport by the limousine bus.

◇SCHEDULE◇

Deadline

Program (tentative):	January 25, 2024 (to present a paper)
Manuscript for Workshop proceedings:	Feb 15, 2024
Final Program:	Feb 15, 2024
Manuscript for <i>Frontier...</i>, Vol.17-2	Mar 31, 2024

◇SCHEDULE◇

The 31st Annual Meeting of IAPS / the 17th International Workshop on Plasma Application & Hybrid Functionally Materials, March 22-25, 2024

DATE	EVENT	LOCATION	AFFILIATION
March 22 (Fri), 2024 Int. Workshop & 31st Annual Meeting of IAPS	AM: Registration PM: Lunch 1:30 Opening 1:50 Plenary Session 3:00 Coffee Break 3:15 Oral Presentation (Session A) 4:00 Oral Presentation (Session B) 4:50 Group Photo 6:00 Welcome Party	Registration at Conference room 420 Pacifico Yokohama Yokohama Bay Hotel Tokyu	EXECUTIVE COMMITTEE
March 23 (Sat), 2024 Int. Workshop & 31st Annual Meeting of IAPS	AM: Registration 9:10 Oral Presentation (Session C) 10:20 Coffee Break 10:35 Oral Presentation (Session D) 12:00 Lunch PM: 1:00 31st Annual Meeting of IAPS 1:30 Oral Presentation (Session E) 2:30 Oral Presentation (Session F) 3:00 Coffee Break 3:15 Poster Session 4:40 Closing Remark 5:00 Group Photo 6:00 Banquet	Registration at Conference room420 Pacifico Yokohama Yokohama Bay Hotel Tokyu	EXECUTIVE COMMITTEE
March 24 (Sun), 2023	AM: Conference Tour 9:00 Start PM: Lunch 1:30 Free Time (Shopping)	Not decided in detail.	EXCURSION
March 25 (Mon), 2023	AM: 10:00 Panel Discussion Campus Tour at University Post Conference Tou	to Annual Meeting not decided now	EXCURSION by personally

This schedule is subject to change without notice.

*All questions related to this workshop should be directed to the chairmen of IAPS Meeting 2024.

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