

The 32nd Annual Meeting of IAPS

The 18th International Workshop on Plasma Application and Hybrid Functionally Materials

March 28-31, 2025

at

Patong Paragon Resort & Spa

Phuket



Sponsored by

Institute of Applied Plasma Science

Co-sponsored by

Chulalongkorn University

In Cooperation with

Dalian Univ. of Tech. and Warsaw Univ. of Tech.

The 32nd Annual Meeting of Institute of Applied Plasma Science

**The 18th International Workshop on Plasma Application and
Hybrid Functionally Materials**

**March 28-31, 2025
Patong Phuket, Thailand**

IAPS Meeting 2025 in Phuket Thailand

January 2025

Dear Participants:

The 32nd Annual Meeting of IAPS, and the 18th International Workshop on Plasma Application and Hybrid Functionally Materials will be held at PATONG PARAGON RESORT & SPA in Patong Beach of Phuket, on March 28(F) - 31(M) in 2025.

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 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 was held in Kobe on March 31-April 3 in 2023. The 31st Annual Meeting of IAPS, and the 17th International Workshop on Plasma Application and Hybrid Functionally Materials was held at Pacifico Yokohama North, on March 22(F) - 25(M) in 2024.

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 2025: the 18th International Workshop on Plasma Application and Hybrid Functionally Materials at the PATONG PARAGON RESORT & SPA in Patong Beach of Phuket, on March 28(F) - 31(M) in 2025. 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 Phuket in March 2025.

Sincerely yours,

Prof. Akira Kobayashi
Chairman of Organizing Committee
Department of Physics, Faculty of Science
Chulalongkorn University,
Bangkok 10330, Thailand
University of Tokyo, Tokyo Japan
Email: iaps-koayashi@outlook.jp

Prof. Rattachat Mongkolnavin
Chairman of Executive Committee
Department of Physics, Faculty of Science
Chulalongkorn University,
Bangkok 10330, Thailand
Email: rattachat.m@chula.ac.th

ORGANIZATION

Organizing Committee of

IAPS Meeting 2025 and the 18th 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>
Takaomi Matsutani	<i>Kindai 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>

Local Organizing Committee

Rattachat Mongkolnavin; Chair	<i>Chulalongkorn University</i>
Akira Kobayashi	<i>Chulalongkorn University</i>
Niphitpon Chueachot	<i>Navamindradhiraj University</i>
Mudtorlep Nisoa	<i>Walailak University</i>
Narong Mungkung	<i>King Mongkut's University of Technology</i>
Chiew-San Wong	<i>University of Malaya</i>

Executive Committee:

Chair:	T. Matsutani	<i>Kindai University</i>
Co-Chair:	A. Kobayashi	<i>Chulalongkorn Univ.</i>
	A. Momozawa	<i>Tokyo City University</i>
Members:	Y. Ando	<i>Ashikaga University</i>
	S. Yokota	<i>University of Tsukuba</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>
	S. Tashiro	<i>Osaka University</i>
	Y. Hashimoto	<i>Kobe City College of Tech.</i>
	H. Akamatsu	<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>
	N. Chueachot	<i>Navamindradhiraj University</i>
	Y. Liu	<i>Dalian University of Technology</i>
	S. Yugeswaran	<i>Pondicherry University</i>
	R. Sitek	<i>Warsaw University of Technology</i>

Guide to IAPS Meeting 2025 & International Workshop

at PATONG PARAGON RESORT & SPA

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 of the Hotel on [March 28-29, 2025](#).

	Member of IAPS	Regular Reg. Fee	for student
Registration Fee	30,000 yen (THB 7000)	36,000 yen (THB 8500)	15,000 yen (THB 3500)

Note:

- ✧ Registration fee does not cover the meals (lunch, banquet, etc.).
- ✧ Fee for an accompanying person (companion) is 12,000 yen (THB3000), 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.
- ✧ Each registrant can submit only one paper.
- ✧ All payment for registration should be made in Japanese Yen or THB.

For convenience of the preparation, it is preferable that Registration fee should be remitted to the following Bank Account by [February 28, 2025](#).

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, agriculture, and bioengineering*.
Advanced plasma processing
Advanced materials (hybrid functionality, composite, ceramics, microelectronics, etc.)
Characterization and evaluation of materials
Industrial applications of directed energy sources (e-beams, ion beams, lasers)
Reduction of lunar resources by laser energy

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.34, 2025 (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 **February 15, 2025**. *Late manuscripts may not be accepted for publication in the Proceedings of IAPS meeting, “Plasma Application & Hybrid Functionally Materials”, Vol.34, 2025.*

Frontier of Applied Technology, Volume 18-2

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.18 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. 2025 after the **Manuscripts** are accepted by **Feb. 15, 2025**. 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 Phuket bay area is world famous place, and other popular tourist spot in Phuket, will be planned on March 30, 2025. The details of the post conference tour will be suggested at a later date. Participants may visit the famous area nearby personally. Optional tours will also be prepared by the hotel's travel agency.

Accommodation

The Patong Paragon Resort & Spa is located at the west of the downtown area of Phuket. And there are many hotels nearby. Rooms of the hotel are introduced for the IAPS 2025 participants between 27-30 March 2025 (3-4 nights). The room charge of the conference hotel will be about THB2800-3000 for night, which has different room types. The number of rooms is limited, so participants should inform an intention on their accommodations to the organizing committee earlier until February 10, 2025, and reserve the room by the reservation form.

Location & Transportation

Phuket is one of the largest tourist cities in Thailand. The Hotels in Patong Beach is a conference venue and is located on the west side of the city center, downtown Phuket. It is just a 50-minute limousine bus or taxi ride from Phuket International Airport.

PATONG PARAGON RESORT & SPA
135 M.4, Suksawad Rd., Soi 68,
Phrapadeang, Samutprakarn 10130
WhatsApp +66 89668 1279
Mobile: 089-668-1279

E-Mail : dos@patongparagon.com、Website : www.patongparagon.com



PATONG PARAGON RESORT & SPA

◇SCHEDULE◇

Deadline

Manuscript for Workshop proceedings: Feb 15, 2025

Final Program: Feb 15, 2025

Manuscript for *Frontier...*, Vol.18-2 Mar 31, 2025

◇SCHEDULE◇

The 32nd Annual Meeting of IAPS / the 18th International Workshop on Plasma Application & Hybrid Functionally Materials, March 28-31, 2025

Patong Paragon Resort & Spa

DATE	EVENT	LOCATION	AFFILIATION
March 28 (Fri) 2025 Int. Workshop & 32nd Annual Meeting of IAPS	AM: Preparation PM: Lunch 1:30 Registration 2:50 Opening 3:10 Coffee Break 3:30 Plenary Session 4:20 Oral Presentation (Session A) Group Photo 6:00 Welcome Party	Registration at Conference room Patong Paragon Hotel Hotel / Restaurant	EXECUTIVE COMMITTEE
March 29 (Sat) 2025 Int. Workshop & 32nd Annual Meeting of IAPS	AM: Registration 9:40 Oral Presentation (Session B) 10:30 Coffee Break 10:50 Oral Presentation (Session C) 12:00 Lunch PM: 1:30 32nd Annual Meeting of IAPS (Panel Discussion) 2:00 Oral Presentation (Session D) 3:00 Coffee Break 3:20 Poster Session 4:50 Closing Remark 5:00 Group Photo 6:00 Banquet	Registration at Conference room Patong Paragon Hotel Hotel / Restaurant	EXECUTIVE COMMITTEE
March 30 (Sun) 2025	AM: Conference Tour PM:	Not decided in detail. City Tour, or Optional Tour	EXCURSION
March 31 (Mon) 2025	AM: Panel Discussion PM: Campus Tour	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 2025.

Prof. Akira Kobayashi
Chairman of Organizing Committee
Department of Physics, Faculty of Science
Chulalongkorn University, Bangkok 10330, Thailand
University of Tokyo, Tokyo Japan
Email: iaps-koayashi@outlook.jp
TEL: +81-80-8320-1618

Prof. Rattachat Mongkolnavin
Chairman of Local Organizing Committee
Department of Physics, Faculty of Science
Chulalongkorn University,
Bangkok 10330, Thailand
Email: rattachat.m@chula.ac.th