

First Announcement

We are pleased to announce

2nd Plasma Astrophysics School and Workshop (PASW26)

Date: **May 12 -15, 2026**

Location: **Shilla Stay Haeundae, Busan, Korea**

Homepage: <https://pasw26.unist.ac.kr>

Scientific Rationale

Plasma physical processes play an important role in astrophysics, space physics, and laboratory plasma physics. They govern the dynamics of the Earth's magnetosphere and the solar wind, and are involved in a wide range of observed phenomena in the interstellar and intergalactic media. At the same time, controlled plasma experiments in the laboratory -- ranging from magnetic confinement fusion to laser-plasma interactions -- provide essential insights into fundamental plasma processes relevant to astrophysical and space environments. A deeper understanding of plasma physics is therefore crucial for unraveling the complex behaviors of astrophysical and space systems, as well as for advancing laboratory techniques that bridge fundamental science and applications.

Between 2011 and 2019, the **East-Asia School and Workshop on Laboratory, Space, and Astrophysical Plasmas (EASW1 - EASW9)** series served as a platform for training young scientists, fostering collaboration, and strengthening plasma astrophysics research across East Asia. This initiative helped advance the field in the region, but the momentum was interrupted by the COVID-19 pandemic. Recognizing the continuing need for sustained training and collaboration, the community has launched a renewed series under the name **Plasma Astrophysics School and Workshop (PASW)**. The inaugural event, PASW25, was successfully held in Wuhan, China, in March 2025 (<https://astro.hust.edu.cn/info/1075/2305.htm>), establishing a strong foundation. Building on this success, **PASW26** will take place in Korea in May 2026.

Objectives

PASW26 aims to:

- 1) Introduce basic physics of astrophysical, space, and laboratory, plasmas and provide training opportunities for students and early-career researchers.
- 2) Bring together scientists from astrophysics, space physics, and laboratory plasma physics to exchange ideas and discuss latest results.

- 3) Foster future collaborations, particularly within the East Asian region, while also promoting broader international engagement.

Topics

Topics to be covered include:

- Plasma and magnetohydrodynamic (MHD) processes in astrophysical, space physics and laboratory environments
- Laser-produced and fusion-related laboratory plasma physics
- Recent advances in astronomy and space-physics observations, such as XRISM and LHASSO, and related issues

Program

The program will consist of:

- **Lectures** covering fundamental plasma physics and related phenomena, primarily aimed at graduate students and postdoctoral researchers.
- **Invited talks** highlighting recent advances in specific topical areas.
- **Contributed oral or poster presentations** showcasing current research, with particular emphasis on work by early-career scientists.

Lecturers

Jiansen He (Peking Univ., China)
Katsumi Ida (NIFS, Japan)
Siming Liu (Southwest Jiaotong Univ., China)
Quanming Lu (Univ. of Science and Technology, China)
Shuichi Matsukiyo (Kyushu Univ, Japan)
Luciano Rezzolla (FIAS, Germany)
Yoichi Sakawa (Osaka Univ., Japan)
Hiroya Yamaguchi (ISAS, JAXA, Japan)
Ryo Yamazaki (Aoyama Gakuin Univ, Japan)
To be added

Invited Speakers

Xuening Bai (Tsinghua Univ, China)

Jungyeon Cho (Chungnam Nat. Univ, Korea)

Chuanpeng Hou (Univ of Potsdam, Germany)

Hyesung Kang (Pusan Nat. Univ., Korea)

Chulmin Kim (GIST/APR, Korea)

Masahiro Kobayashi (NIFS, Japan)

Hui Li (LANL, USA)

Yosuke Matsumoto (Chiba Univ, Japan)

Kenichi Nagaoka (NIFS, Japan)

Inhyuk Nam (UNIST, Korea)
Hirofumi Noda (Tohoku Univ., Japan)
Ken Ohsuga (Tsukuba Univ. Japan)
Qingwen Wu (HuaZhong Univ. of Sci. and Tech., China)
Huirong Yan (Univ of Potsdam, Germany)
Mengke Zhao (Nanjing Univ., China)
To be added

Scientific Organizing Committee

Takanobu Amano (Univ.. Tokyo, Japan)
Jungyeon Cho (Chungnam Nat. Univ., Korea)
Jiansen He (Peking Univ., China)
MinSup Hur (UNIST, Korea)
Hantao Ji (PPPL, USA)
Hyesung Kang (Pusan Nat. Univ. Korea)
Hui Li (LANA, USA)
Siming Liu (Southwest Jiaotong Univ., China)
Quanming Lu (Univ. of Science and Technology, China)
Ryoji Matsumoto (Chiba Univ., Japan)
Kenichi Nagaoka (NIFS, Japan)
Luciano Rezzolla (FIAS, Germany)
Dongsu Ryu (UNIST, Korea)
Yoichi Sakawa (Osaka Univ., Japan)
Qingwen Wu (HuaZhong Univ. of Sci. and Tech., China)
Jianfu Zhang (Xiangtan Univ., China)

Local Organizing Committee

MinSup Hur (UNIST, Korea)
Eunyu Lee (UNIST, Korea)
Hyesung Kang (Pusan Nat. Univ., Korea)
Dongsu Ryu (UNIST, Korea)
Jayoon Um (UNIST, Korea)

Supporting Organizations

Ulsan National Institute of Science and Technology (UNIST)
The Korean Astronomical Society (KAS)
National Research Foundation of Korea (NRF)

Important Dates

January 20, 2026: PASW2026 announced
March 20, 2026: Deadline for registration and abstract submission

April 1, 2026: Scientific program posted

May 12 - 15, 2026: PASW2026

Registration

Please visit <https://buly.kr/uVT9pL>

Support for Students and Postdoctoral Researchers

Students and postdoctoral researchers are especially encouraged to participate in the workshop and to present contributed oral or poster presentations. Subject to the availability of funding, local accommodation will be provided for students and postdoctoral researchers. Accommodation will consist of shared rooms with two beds, allocated to two students or postdoctoral researchers.

VISA

Participants who need an invitation letter for visa purposes, please indicate it during registration or send an email to dldmsdb99@unist.ac.kr (Eunyu Lee).

For further information or inquiries, please visit the workshop webpage (<https://pasw26.unist.ac.kr>) or contact dldmsdb99@unist.ac.kr (Eunyu Lee)