

— 2nd Announcement —

Dear Colleagues,

We are pleased to share the second announcement for the International LHD Workshop, which will be held at the Nagoya Noh Theater from Monday, February 15, through Friday, February 19, 2027 (<https://lhdws2027.nifs.ac.jp>). To encourage the participation of as many people as possible, we have decided not to charge a registration fee. We hope this will make it easier for you to participate.

Nominations for Invited Speakers

The workshop will feature invited talks, contributed oral presentations, and poster presentations. We are now accepting nominations for invited speakers. The invited talks are expected to highlight not only significant achievements in fusion plasma research arising from LHD experiments but also important research outcomes in interdisciplinary fields.

Furthermore, the successful operation of a large-scale superconducting experimental device over a period of 28 years is itself one of the major achievements of the LHD project. We therefore also welcome nominations for speakers who can share important knowledge, experience, and lessons from device operation that should be preserved and passed on to future high-temperature plasma experiments.

Please note the following:

- Both self-nominations and nominations of other individuals are welcome.
- Invited speakers will be selected from among the individuals nominated through this open call and candidates recommended by the International Program Committee.

Nominations may be submitted using the following Google Form:

<https://forms.gle/5TsNgzhnsjqSKDgM9>

For questions about invited-speaker nominations, or if you are unable to access the Google Form, please contact Naoki Tamura, the Chair of the International Program Committee, at:

naoki.tamura@ipp.mpg.de

For general inquiries regarding the workshop, please contact the Workshop Secretariat at:

lhdws2027@nifs.ac.jp

Symposia

We plan to organize two symposia in addition to regular oral and poster sessions. The tentative titles and descriptions of the symposia are as follows.

• Data-Driven Research Enabled by Open LHD Data

This symposium will explore new frontiers in AI-enabled research using publicly available experimental data from the Large Helical Device (LHD). By applying machine learning and data-driven scientific approaches, participants will seek to deepen their understanding of plasma phenomena—including transport, magnetohydrodynamics (MHD), and turbulence—and explore opportunities for international collaboration in advancing predictive modeling and experimental data analysis.

• Lessons from LHD: What Should We Carry Forward Before the Dawn of Fusion Energy?

This symposium will provide a comprehensive overview of the knowledge accumulated over many years of LHD research, including (1) scientific achievements, (2) experimental methods, (3) diagnostic technologies, and (4) expertise in device operation. It will identify both the key lessons learned from LHD and the challenges that have yet to be addressed, while discussing research strategies and priority areas for the post-LHD era as the dawn of fusion energy approaches.

Important Dates

- September 17, 2026 — Deadline for invited-speaker nominations

- September 17, 2026 — Abstract submission opens for contributed oral presentations and posters
- October 9, 2026 — Notification of invited-speaker selection
- October 16, 2026 — Abstract submission deadline for contributed oral presentations and posters
- November 19, 2026 — Notification of acceptance for contributed oral presentations and posters
- January 15, 2027 — Registration deadline

We look forward to welcoming you to Nagoya.

Hiroshi Yamada, Workshop Chair
Motoshi Goto, Workshop Secretary