

# 12<sup>th</sup> International Workshop on “Stochasticity in Fusion Plasmas” Higashi-Hiroshima, Japan June 2-4, 2026 Higashi Hiroshima Arts & Culture Hall Kurara



# Scope and mission

The 12th International Workshop on “Stochasticity in Fusion Plasmas” will be held on June 2-4, 2026, in Higashi Hiroshima Arts & Culture Hall Kurara.

This workshop aims to discuss the effects of 3D magnetic fields on hot plasmas from multiple perspectives, bringing together experts from both tokamaks and stellarators, as well as related fields. Discussing together and summarizing recent approaches will improve the physics understanding of various effects of 3D fields in magnetically confined plasmas. Analyzing the influence of stochasticity and magnetic topology in fusion plasmas will benefit research in the field and guide the design of future fusion devices. A further major goal of this workshop is to enable young scientists to enter an active, growing field of research by interacting with world-leading experts.

# Proposed topical sessions and chairs

## **Topics of the workshop will include:**

- S1 Long-pulse Operation and Detachment with 3D Boundary  
Marcin Jakubowski (IPP, Germany) & Dimitry Orlov (UCSD, US)
- S2 3D Interaction Between Topology and Plasma Transport  
Katsumi Ida (NIFS, Japan) & Lu Wang (HUST, China)
- S3 Magnetic Perturbations and ELM Control  
Youwen Sun (ASIPP, China) & Yunfeng Liang (FZ-Juelich, Germany)
- S4 3D MHD Equilibrium and Core MHD Instabilities  
Valentin Igochine (IPP, Germany) & Piero Martin (U. Padova, Italy)
- S5 Fast Ion Confinement with 3D boundary  
Jonathan Graves (U. York, UK)
- S6 New Ideas of Divertor  
Oliver Schmitz (UW-Madison, US)
- S7 Integrated Diagnostic Development and Mapping Technology  
Alexander Knieps (FZ-Juelich, Germany)

# Key Date

February 17: Open for Abstract submission

March 13: Deadline for Abstract submission

March 1: Registration opens

March 27: Acceptance notification

April 30: Registration Deadline and publication of  
Program Agenda

# International Scientific Committees:

Marcin Jakubowski (IPP, Germany)

Katsumi Ida (NIFS, Japan)

Youwen Sun (ASIPP, China)

Valentin Igochine (IPP, Germany)

Jonathan Graves (U. York, UK)

Alexander Knieps (FZ-Juelich, Germany)

Dimitry Orlov (UCSD, US)

Lu Wang (HUST, China)

Yunfeng Liang (FZ-Juelich, Germany)

Piero Martin (U. Padova, Italy)

Oliver Schmitz (UW-Madison, US)

Yasuhiro Suzuki (Hiroshima U., Japan)

# Local Organizing Committees:

Yasuhiro Suzuki (Chair)

Kotaro Yamasaki (Secretary)

Web page: <https://sfp2026.github.io/>

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Organized by Hiroshima University

