

# 12<sup>th</sup> International Workshop on “Stochasticity in Fusion Plasmas” Higashi-Hiroshima, Japan June 2-4, 2026 Phoenix International Center MIRAI CREA, Hiroshima University



# Scope and mission

The 12th International Workshop on “Stochasticity in Fusion Plasmas” (SFP2026) will be held on June 2-4, 2026, in Phoenix International Center MIRAI CREA, Hiroshima University.

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.

SFP2026 will be held at Phoenix International Center MIRAI CREA (<https://www.hiroshima-u.ac.jp/en/miraicrea>). The venue is located in the Higashi-Hiroshima Campus of Hiroshima University and is very conveniently accessible.



# 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

Dorothea Gradic (IPP, Germany) & Alexander Knieps (FZ-Juelich, Germany)

# Key Date

February 17: Open for Abstract submission

**March 31: Deadline for Abstract submission  
(extended)**

March 16: Registration opens

**April 17: Acceptance notification**

April 30: Registration Deadline and publication of  
Program Agenda

June 2-4: Meeting

# 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)

Yasuhiro Suzuki (Hiroshima U., Japan)

Dimitry Orlov (UCSD, US)

Lu Wang (HUST, China)

Yunfeng Liang (FZ-Juelich, Germany)

Piero Martin (U. Padova, Italy)

Oliver Schmitz (UW-Madison, US)

Dorothea Gradic (IPP, Germany)

# Local Organizing Committees:

Yasuhiro Suzuki (Chair)

Kotaro Yamasaki (Secretary)

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

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Organized by Hiroshima University

