



**SPIN2025**

**26<sup>th</sup> International Symposium on Spin Physics**

**Report from the International Spin Physics Committee**

**Qingdao - Sept. 23<sup>rd</sup>, 2025**

Paolo Lenisa

University of Ferrara and INFN, Italy

# International Spin-Physics Committee

## Voting members 2024-25

- P. Lenisa (Chair) (Ferrara Univ.)
- H. Gao (Past Chair) (Duke Univ.)
- C. Alexandrou (Cyprus Univ.)
- K. Aulenbacher (HI-Mainz)
- A. Bacchetta (Pavia Univ.)
- A. Deshpande (Stony Brook Univ.)
- P. Di Nezza (INFN)
- N D'Hose (CEA, Paris-Saclay)
- R. Fatemi (Kentucky Univ.)
- Y. Goto (RIKEN-BNL)
- A. Guskov (JINR)
- C. Keith (JLab)
- K. Kirch (ETH Zürich)
- Z. Liang (Shandong Univ.)
- J. Pretz (RWTH, Aachen)
- N. Saito (IPNS Tsukuba, el. Chair)
- K. Sekiguchi (Tokyo Univ.)
- W. Vogelsang (Tubingen Univ.)
- X. Zheng (Virginia Univ.)

## Honorary Members

- F. Bradamante (Trieste Univ.)
- A. Masaike (Kyoto Univ.)
- R. Milner (MIT)
- C. Y. Prescott (SLAC)
- T. Roser (BNL)
- E. Steffens (Erlangen Univ.)
- W.T.H. van Oers (Manitoba Univ.)

- Members elected for 4 years terms (renewable for one term)
- ISPC serves to organise Spin-Physics Symposia and Polarization Workshops
- Balance between Theory, Experiment, Source & Target and Accelerator fields
- Promote excellence, diversity and inclusivity, geographical balance and representation of important laboratories and institutions

Repository: <http://www.spin-community.eu>

# Membership for the 2026-29 term

## Membership (2026-29)

Renewal of one-term members:

- C. Alexandrou (U. Cyprus)
- R. Fatemi (U. Kentucky)
- A. Guskov (JINR)
- C. Keith (JLab)
- K. Kirch (ETH Zürich)
- Z. Liang (Shandong U.)
- X. Zheng (U. Virginia)

New members to succeed K. Aulenbacher and W. Vogelsang:

- Dimitry Budker (HI-Mainz)
- Phiala Shanahan (MIT)

# Spin Conferences

## Spin-Physics Symposia

Discussion on Spin Physics emerged from two Conference Series:

- Symposia on Polar. Phenomena in Nucl. React. (every 5 years, 1960 - 1994)
- Symposia on High Energy Spin Physics (every 2 years, 1974 - 1998)

Starting 2000 (Osaka) series continued as "International Symposia on Spin Physics".

- Upton (US), Trieste (IT), Kyoto (J), Charlottesville (US), Jülich (D), Dubna (RU), Beijing (CHN), Champaign (US), Ferrara (IT), Matsue (J), Durham (US), Qingdao (CHN), ...



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## Workshops on Spin-Tools

Development of exp.or theor. methods to perform or analyze Spin experiments.  
Promote exchange of information among different areas and competences

- Dedicated workshops and topical meetings on Spin Tools (1966 - ...)
- PST Workshop since 1991 (Heidelberg)

PSTP (Polarized Sources and Targets) Workshops started in 2009 (Ferrara)

- St. Petersburg (RU), Charlottesville (US), Bochum (D), Kaist (ROK), Knoxville (US), Mainz (D), Newport News (US), ...

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## Archiving and accessibility of information

- Proceedings published by POS

## PSTP<sup>2024</sup>

### 20<sup>TH</sup> INTERNATIONAL WORKSHOP ON POLARIZED SOURCES, TARGETS, AND POLARIMETRY

SEPTEMBER 22-27 JEFFERSON LAB  
NEWPORT NEWS, VA



 Jefferson Lab

<https://www.jlab.org/conference/pstp24>

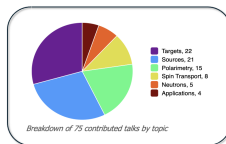
#### LOCAL ORGANIZING COMMITTEE

|                     |                      |
|---------------------|----------------------|
| Dave Gaskell (JLab) | Oleg Eyser (BNL)     |
| Joe Grames (JLab)   | Fanglei Lin (ORNL)   |
| Chris Keith (JLab)  | James Maxwell (JLab) |
| Cathy Drewry (JLab) | Josh Pierce (ORNL)   |
| Sarah Crouse (JLab) | Matt Poelker (JLab)  |
|                     | Deepak Raparia (BNL) |
|                     | Eric Voutier (JCLAB) |



**PSTP** is a workshop for **Polarized Sources, Targets, and Polarimetry**

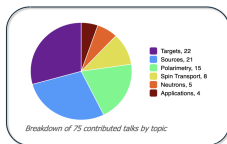
In 2024 we included sessions for **Spin Transport**, **Polarized Neutrons**, and **Spin Applications** (AI/ML, fusion, etc)



### PSTP2024 BY THE NUMBERS

- 104 Official Registrants
- 75 Contributed Talks (15 + 5 min)
- 6 Countries
- 22 Institutions

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We hosted a series of eight "Pedagogical Lectures" on the Sunday afternoon before the workshop

- |                                |                                    |
|--------------------------------|------------------------------------|
| ▪ Solid Targets, C. Keith      | ▪ Spin Transport, F. Lin           |
| ▪ Gas Targets, J. Maxwell      | ▪ Hadron Polarimetry, O. Eysen     |
| ▪ Ion Sources, D. Reparia      | ▪ Positron Polarimetry, E. Voutier |
| ▪ Electron Sources, M. Poelker | ▪ Electron Polarimetry, D. Gaskell |

- ➡ Introduce technically difficult and diverse topics to new students
- ➡ Make all workshop contributions more "digestible" to non-experts
- ➡ Give contributors more time to present their results
- ➡ VERY well received (see poll)



U.S. DEPARTMENT  
of ENERGY

**PSTP2026**

**21<sup>st</sup> Intern. Workshop on Polarized Sources, Targets and Polarimetry**

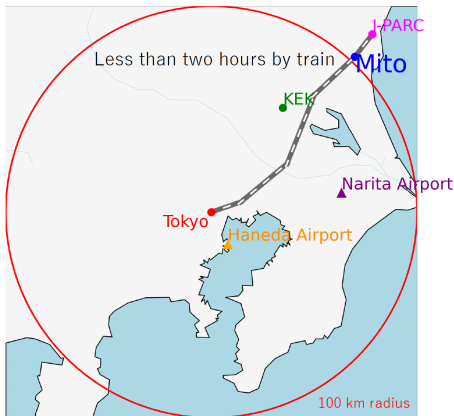
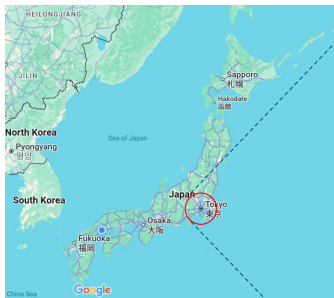
# Proposal to hold PSTP2026 in Mito city, Japan

Masataka Inuma,  
Hiroshima University, Japan

On behalf of following members :

Norihiro Doshita(Yamagata Univ.), Yuji Goto(RIKEN), Takashi Ino(KEK),  
Takayuki Kumada(JAEA), Yoshiyuki Miyachi(Yamagata Univ.),  
Takayuki Oku(JAEA), Kenichiro Tateishi(RIKEN)

## Location of Mito city



100 km away from Tokyo  
KEK and J-PARC around it

Good access to transportation from Tokyo, Narita and Haneda airports



### Significance of hosting PSTP in Japan

- Japanese contributions to spin physics technology have been significant since its inception.
- In the next workshop, the EIC is one of the global trends in spin physics. Many Japanese researchers will be contributing to its spin physics, accelerator and detector programs.
- Other activities in Japan include the budding applications of new polarized targets, practical polarized helium-3 system for neutron physics, the contributions to polarized internal gas target for LHCspin, and highly intense polarized lepton sources in high energy accelerators.
- The PSTP workshop has not been held in Japan since 2005.

**We are proposing to host the 2026 workshop in Mito city, Japan.**

## Mito city

Rich cultural history and blessed with abundant nature



Kairakuen



Kodokan

Statue of Mito Komon



Senba Lake



The Museum of Modern Art, Ibaraki

# SPIN 2027 in Glasgow (UK) - Sept. 2027 (dates to be finalized)



Proposal to host

## **THE 27TH INTERNATIONAL SYMPOSIUM ON SPIN PHYSICS (SPIN2027)**

at the University of Glasgow, Scotland

Proposed Dates - 23rd - 27th August  
2027 or 6th - 10th September 2027

GLASGOW  
CONVENTION  
BUREAU

## HOST INSTITUTION



**The University of Glasgow has been changing the world since 1451. A world top 100 university and a member of the prestigious Russell Group of leading UK research universities.**

The University of Glasgow is one of the most impressive academic venues in the UK and will be an ideal space to host SPIN2027.

Located in the heart of the bustling West End of the city, the neo-Gothic 19th century campus is set in beautiful, breathtaking surroundings and is one of the city's greatest icons.

What sets it apart from other venues however, other than the sheer size and scale of the portfolio of course, is the history and tradition associated with one of Scotland's most famous and prestigious landmarks.

The unique architecture and atmosphere of the University of Glasgow never fails to impress and, in combining that with the flexibility and variety of venues, neither organisers nor delegates will be anything other than delighted with their experience at the University of Glasgow.

There has been a chair of natural philosophy (physics) at the University of Glasgow since 1727 although the subject would have been taught in some form even before this. The most famous incumbent of this position was William Thompson, later knighted Baron Kelvin of Largs. He had a huge influence in many fields including in experimental physics research (the unit of absolute temperature is named Kelvin after him), in technology including intercontinental communication aiding the laying of the first telegraph cables between Britain and the USA, and in various areas related to shipping navigation. He also made vital steps forward in physics education and introduced practical laboratory based teaching at Glasgow and established the first physics laboratory in Britain. The University of Glasgow recently celebrated the 200th anniversary of Lord Kelvin's birth in 2024.

Since Lord Kelvin's time, the school has grown massively and is now one of the leading Physics and Astronomy schools in the UK, both for undergraduate and postgraduate teaching, and for its cutting edge research in a wide variety of fields. Research groups include: Astronomy and Astrophysics; Astronomy and Physics Education; Institute for Gravitational Research; Optics; Materials and Condensed Matter Physics; Nuclear and Hadron Physics; Particle Physics Experiment and Particle Physics Theory.

# SPIN 2027 in Glasgow (UK) - Sept. 2027

## MEETING SPACES

**There are over 150 meeting spaces to choose from.**

**With venues ranging from beautiful wood panelled rooms through to grand Victorian halls and state-of-the-art seminar rooms and lecture theatres.**

The University has one of the most impressive and flexible venue portfolios in the UK and can comfortably accommodate SPIN2027 within the campus.

We present two options for the SPIN2027 dates and seek advice from the ISPC.

Option 1 will be 6-10th September 2027. Option 2 will be 23-27th August 2027.

Our preferred choice is Option 2. Since September is a busy time on Campus due to the beginning of the teaching Semester, our preferred venue is only available in August. However we have managed to find a venue which we are also happy to proceed with in September, if the ISPC recommend sticking with September 2027 for SPIN2027.



### Option one - 6-10th September 2027

We propose to hold the conference in both the Boyd Orr Building and James McCune Smith Building, which are situated right next to each other and the ideal venue for a larger conference.

#### Boyd Orr Building

This is one of the University's main teaching and learning buildings. The building features some excellent rooms for conference use and the building connects to the James McCune Smith building on 4 levels effectively creating one extended building.

Location - There is a 3-minute walk connecting the Boyd Orr Building to the James McCune Smith Building.

#### SPIN 2027

Plenary Space - This is a large lecture theatre situated in the Boyd Orr Building. It features a projector, screen, PC and PA system.



Breakout Rooms - variety of rooms for parallel sessions. At least 8 parallel sessions can be accommodated for in-line with the numbers of sessions at previous SPIN editions.

All breakout rooms are modern with projector screen, PC and PA system.

#### James McCune Smith Building

A large state of the art building at the heart of the University campus. This show-piece building offers many rooms, large and small, which are suitable for conference proceedings. It is ideal for medium sized conferences on it's own or for larger conferences in conjunction with other nearby buildings.

#### SPIN 2027

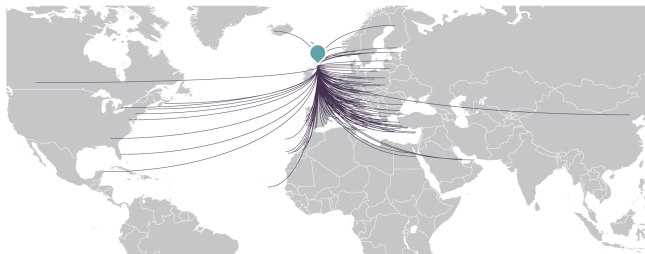
Catering would be served in the ground floor area of the James McCune Smith Building which features an abundance of natural light in a large airy atrium space. This area can also accommodate around 40 posters at once. There is a direct link into the Boyd Orr Building on L2 allowing delegates access.



## TRAVEL

### GLASGOW IS SCOTLAND'S MOST ACCESSIBLE CITY

- 3 airports within 1 hour of the city with Glasgow Airport being just 15 minutes from the city
- Direct flights from over 165 destinations
- Several direct flights from North America
- Daily Emirates flight from Dubai - excellent connection for Asia, Africa and Australasia
- Well connected with main international hubs - London, Paris, Amsterdam, Frankfurt, Madrid



### 3 international airport connections to Glasgow

#### Glasgow Airport

- 15 minutes
- Shuttle bus - 24/7, every 15 minutes

#### Edinburgh Airport

- 55 minutes
- Shuttle bus - 24/7, every 30 minutes
- Train - every 15 minutes from Edinburgh Haymarket station

#### Glasgow Prestwick

- 45 minutes
- Trains - every 30 minutes

### Visa

Some delegates may require a visa, which they can apply for three months before travel at the earliest. All up to date details can be found on the [UK Home Office website](#)

#### Electronic Travel Authorisation (ETA)

An ETA is an advance travel permission required by specified non-visa nationals when coming to the UK as a visitor or transiting the UK. The list of countries that require and ETA can be checked [here](#).

# Next Chairperson

New Chair (01.01.2026 - 31.12.2029)



Prof. N. Saito – IPNS Tsukuba

## Thank you to ...

- Session Conveners
- Session Chairs
- Local Organizing Committee



# Thank you to ...

- Session Conveners
- Session Chairs
- Local Organizing Committee
- Volunteers and Assistants

## **Volunteers:**

|              |              |                |                |              |               |
|--------------|--------------|----------------|----------------|--------------|---------------|
| Weiwei Chen; | Xiaohui Liu; | Zhuocheng Xia; | Lingyang Kong; | Yulin Wang;  | Jipeng Lv;    |
| Youjie Lin;  | Dandan Shen; | Zongyang Lu;   | Jieke Wang;    | Aodong Song; | Xiaoyan Zhao; |
| Xingrui Gou; | Jing Zhao;   | Yixin Zhang;   | Yongjie Deng;  | Yi Gao;      | Tong Fu       |

## **Assistants:**

Na Yin; Xiaowen Li; Moyao Sun; Yaxuan Qiao; Sen Cao

Thanks, Qingdao! It's time to say Goodbye!



**26th** International  
Symposium on Spin Physics  
A Century of Spin

謝謝

