

# **1st Circular of the 12th Circum-Pan-Pacific Symposium on High Energy Spin Physics**

November 9-13, 2024 at Hefei, China

## **1. General Announcement**

The 12th Circum-Pan-Pacific Symposium on High Energy Spin Physics, PacificSpin2024, will take place between November 9 to November 13, 2024. The registration is on November 8, 2024. The Symposium venue is Hefei, China. The indico page of the symposium is <https://indico.pnp.ustc.edu.cn/event/1119/>

This Symposium aims to enhance communications among physicists from the Circum-Pan-Pacific region and other regions. Participation of young physicists in this Symposium is strongly encouraged. Symposia in this series took place in Miyazaki(2019), Taipei(2015), Ji'nan(2013), Cairns(2011), Yamagata(2009), Vancouver(2007), Tokyo(2005), Washington(2003), Beijing(2001), Wako(1999), and Kobe (1996)

PacificSpin 2024 will be jointly hosted by Anhui University of Science & Technology (AUST) and University of Science and Technology of China (USTC), sponsored by University of Chinese Academy of Sciences (UCAS), Peking University (PKU), Shandong University (SDU).

The symposium consists of plenary sessions only. The idea is that all participants share the same discussions and deepen the common understanding of current problems and perspectives. The slides of the talks will be archived and made public.

## **2. Important dates**

- Deadline for early registration with reduced fee: September 15, 2024
- Deadline for submission of abstract of contributed papers: September 30, 2024
- On-site registration date: November 8, 2024
- Symposium dates: November 9-13, 2024

## **3. Topics**

The topics of the symposium include:

- Transverse and longitudinal spin structure of the nucleon
- Polarized parton distribution functions and fragmentation functions
- Transverse momentum dependent distributions
- Generalized parton distributions and form factors
- Spin physics in future electron-ion colliders (EICs)
- Spin polarization in heavy ion collisions
- Spin structure of the nucleon in Lattice QCD and effective QCD models

- New ideas, methods and future facilities

Spin is a basic property of elementary particles. Discoveries concerning Spin often trigger physicists to open a new chapter of physics. The spin structure of the nucleon has extensively been studied, in particular in the last 30 years since EMC's result was released. The transverse structure and 3-dimensional picture of the nucleon spin are now being investigated. These provide important tests of QCD and help our understanding of QCD. Those subjects will be discussed in details.

PacificSpin2024 will consist of invited talks and talks selected from contributed papers. All talks will be presented in plenary sessions. There will be a 30-min discussion session each day. The deadline for abstract submission for contributed talks is **September 30**.

#### **4. Venue**

The symposium takes place in the conference room of Hefei Crowne Plaza (Building A, 598 Huangshan Road, Hefei, 230088).

Hefei is the capital city of Anhui Province and a major scientific and educational center in China. It is home to several prestigious universities and research institutes, such as the University of Science and Technology of China, the Hefei Institutes of Physical Science of the Chinese Academy of Sciences, and the National Synchrotron Radiation Laboratory. Hefei also has rich cultural and natural attractions, such as the Sanhe Ancient Town, the Hefei Botanical Garden, and the Chaohu Lake. The Crowne Plaza Hefei is a high-end hotel located in the Shushan Zone of Hefei, 35 km from Hefei Xinqiao International airport.

#### **5. Registration**

The online registration is available from the indico page:

<https://indico.pnp.ustc.edu.cn/event/1119>

The early registration fee is 2000 CNY (1500 CNY for graduate students). Late registration fee will be higher: 2500 CNY (2000 CNY for graduate students). The registration fee can only be paid on site in CNY upon arrival at the registration desk on November 8, 2024.

#### **6. Visa**

Those who need a visa to come to China are recommended to contact the organizers (PacificSpin2024@gmail.com) at the earliest convenience prior to the travel.

#### **7. Contributed talks**

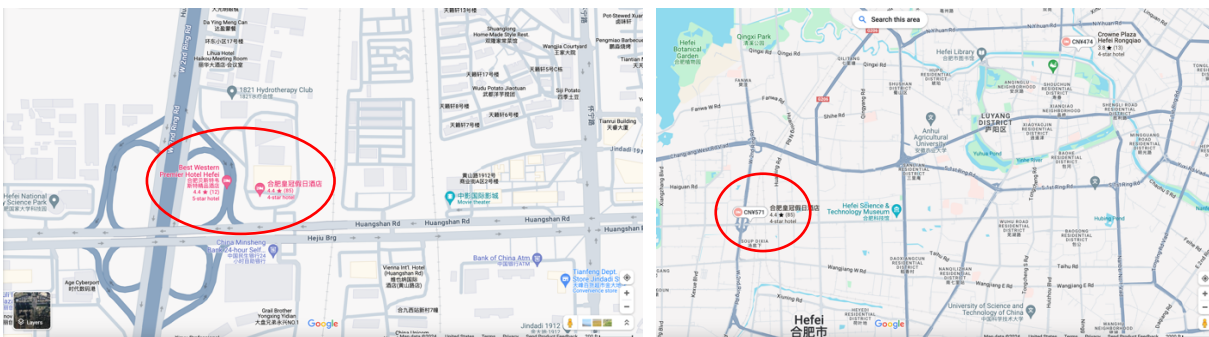
The talks at the symposium consist of invited talks and talks selected from contributed papers. An abstract should be submitted by September 30, 2024 via the indico page.

## 8. Accommodation

The local organizers have negotiated special discounted room rates at the following hotels:

- Hefei Crowne Plaza (the symposium venue): 460 CNY/night (single breakfast), 520 CNY/ night (double breakfasts)
- The Best Western Premier Hotel Hefei (2 minutes walk from the symposium venue): 350 CNY/ night (single breakfast), 400 CNY/ night (double breakfasts), domestic participants only

Room reservation can be made on the indico page with the online registration. We recommend an early reservation, since the number of reserved rooms are limited.



## 9. International Advisory Committee

Jian-Ping Chen, Jefferson Lab

Hai-Yang Cheng, Academia Sinica

Seonho Choi, Seoul National University

Yuji Goto, RIKEN

Takahiro Iwata, University of Yamagata

Xiang-Dong Ji, Maryland University

Shunzo Kumano, Japan Women's University/KEK

Su Houn Lee, Yonsei University

Zuo-Tang Liang, Shandong University

Bo-Qiang Ma, Peking University

Jian-Ping Ma, Institute of Theoretical Physics, Chinese Academy of Sciences

Yu-Gang Ma, Fudan University

Richard G. Milner, Massachusetts Institute of Technology

Jian-Wei Qiu, Jefferson Lab

Shin'ya Sawada, KEK

Toshi-Aki Shibata, Nihon University/Tokyo Technology University

Ai-Hong Tang, Brookhaven National Lab

Anthony W. Thomas, University of Adelaide

#### **10. Local Organizing Committee:**

Heng-Tong Ding, Central China Normal University

Juan Gao, Anhui University of Science and Technology

Yang Li, University of Science and Technology of China (co-chair)

Tian-Bo Liu, Shandong University

Xiao-Hui Liu, Beijing Normal University

Zhun Lyu, Southeast University

Xiao-Rui Lyu, University of Chinese Academy of Sciences (chair)

Shi Pu, University of Science and Technology of China

Ding-Yu Shao, Fudan University

Qun Wang, Anhui University of Science and Technology/University of Science and Technology of China (chair)

Wei Wang, Shanghai Jiaotong University

Xin-yang Wang, Anhui University of Science and Technology (co-chair)

Bo-Wen Xiao, The Chinese University of Hong Kong, Shenzhen

Qing-Hua Xu, Shandong University

Yu-Xiang Zhao, Institute of Modern Physics, Chinese Academy of Sciences

#### **11. Contact**

Contact email: PacificSpin2024@gmail.com