

***Dear Colleagues,***

We are pleased to announce that the 9<sup>th</sup> **Asia-Pacific conference on Few-body problems in Physics (APFB2025)**, which will be held at Van Lang University in **Ho Chi Minh City, Vietnam** on **8 – 12 September 2025**.

Following the success of previous APFB2025, which recently was held in Tokyo (1999), Shanghai (2002), Thailand (2005), Indonesia (2008), Seoul (2011), Adelaide (2014), and Guilin (2017), and Kanazawa (2021), APFB2025 will facilitate stimulus exchange through a scientific program that covers most recent experimental and theoretical advances in the following topics:

- Few-body aspects of nuclear physics, nuclear astrophysics, atom and molecular systems, and cold atoms.
- Light nuclei, multi-neutron systems, alpha-cluster, neutron/proton-rich nuclei, related topics of nuclear structure and reactions.
- Few-nucleon systems, nuclear forces and currents including QCD inspired approaches.
- Hypernuclei, strange and exotic systems, few-hadron systems and their interactions.
- Hadron spectroscopy and structure, quark and gluon structure of hadron, Lattice QCD, proton-radius puzzle.
- Efimov physics, universality, dynamics of atomic and molecular systems.
- Interdisciplinary aspects of few-body physics and techniques.
- Symmetry and symmetry breaking, nuclear data science, nuclear transmutation studies, computational methods.
- Related topics for few-body systems.

## **1. Venue**

- Van Lang University, Ho Chi Minh City 70000 – Vietnam  
69/68 Dang Thuy Tram Street, Ward 13, Binh Thanh District, Ho Chi Minh City, Vietnam.
- About 35 minutes by taxi/bus from the Tan Son Nhat International Airport (SGN) to the center of Ho Chi Minh City and about 20 minutes by car to access Van Lang University (main campus).

## **2. Important dates**

Call for abstract: March 1, 2025

Deadline of abstract submission: ~~June 30, 2025~~ **extend to July 15, 2025**

Early Bird Registration: ~~March 1 – June 30, 2025~~ **extend to July 15, 2025**

Registration Deadline: August 15, 2025

### 3. Abstract submission guideline

Please follow the instruction website: <https://indico.rcnp.osaka-u.ac.jp/e/apfb2025> and fill the submission form with the title, author list, content (about 300 words), main topic, and contribution type (oral/poster).

### 4. Website and Contact address

APFB2025 Website: <https://apfb2025.vlu.edu.vn/>

Registration and more info: <https://indico.rcnp.osaka-u.ac.jp/e/apfb2025>

Email: [apfb2025@vlu.edu.vn](mailto:apfb2025@vlu.edu.vn)

### 5. Invited Speakers

- Tetsuo Hyodo (Tokyo Metropolitan Univ)
- Yusuke Nishida (Institute of Science Tokyo)
- Takashi Nakamura (Institute of Science Tokyo)
- Takayuki Miyagi (University of Tsukuba)
- Kimiko Sekiguchi (Institute of Science Tokyo)
- Satoshi N. Nakamura (University of Tokyo)
- Kenjiro Miki (Tohoku University)
- Evgeny Epelbaum (Ruhr-Universität Bochum)
- Bing-Song Zou (Tsinghua University)
- Emiko Hiyama (Tohoku Univ)
- Dam Thanh Son (University of Chicago)
- Seungil Nam (Pukyong National University)
- Rimantas Lazauskas (IPHC-Strasbourg)
- Le Xuan Chung (Vietnam Atomic Energy Institute)
- Saori Pastore (Washington University)
- Hyun-Chul Kim (Inha University)
- Tobias Fredelico (Instituto Tecnológico de Aeronáutica)
- Haiyan Gao (Duke University)
- Kazuki Ogata (Kyushu University)
- Toshimi Suda (Tohoku University)
- Doerte Blume (The University of Oklahoma)
- Takahiro Kawabata (Osaka University)
- Zhao Qiang (IHEP, Chinese Academy of Sciences)
- Jung Keun Ah (Korea University)
- Francesca Bonaiti (Michigan State University)
- Fuminori Sakuma (RIKEN)
- Jacek Zejma (Jagiellonian University)
- Ahmad Arifi Jafar (RIKEN)
- Masaru Hongo (Niigata University, Japan)
- Kazuhito Mizuyama (Duy Tan University)
- Pengwei Zhao (Peking University)
- Tokuro Fukui (Kyushu University)
- Phan Thi Ngoc Loan (Ho Chi Minh University of Education)
- Nguyen Tri Toan Phuc (HCM University of Science, VNU-HCM)
- Le Tan Phuc (Duy Tan University)
- Pierre-Yves Duerinck (Université Libre De Bruxelles)
- Martin Schafer (Czech Academy of Sciences)
- Terry Mart (Indonesia University)
- Lucas Happ (RIKEN)
- Yuki Kubo (RIKEN)
- Takuma Yamashita (Tohoku University)
- Takatsugu Ishikawa (RCNP, Osaka University)
- Lauro Tomio (Universidade Estadual Paulista)
- Ryoko Kino (Tohoku University)
- Takayuki Myo (Osaka Institute of Technology)
- Ying Zhang (Tianjin University)
- Ming-Zhu Liu (Lanzhou University)
- Shuang-Shi Fang (IHEP, Chinese Academy of Sciences)
- Xiao-Hai Liu (Tianjin University)
- Ying Chen (IHEP, Chinese Academy of Sciences)
- Dalibor Scoupil (Czech Academy of Sciences)

## 6. Conference fee

Registration fee:

US\$150 for non-students

US\$100 for students

Early bird registration fee:

US\$125 for non-students

US\$80 for students

Payment method: Bank transfer via

Account name: TRUONG DAI HOC VAN LANG

Account number: 0071000555888

Bank name: VIETCOMBANK

Branch: HO CHI MINH

SWIFT code: BFTVVNVX

Content: *Your fullname*\_APFB2025

## 7. Excursion tour

There will be an **excursion tour on September 10, 2025 (Wednesday) to Mekong Delta** area in South Vietnam.

If you are interested in the tour, please register via the following link:

<https://forms.office.com/r/7Jf5FVLKJz>

## 8. Committees

### 8.1. International Advisory Committee

- J. K. Ahn (Korea Univ.)
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- W. -C. Chang (Academia Sinica)
- J. -P. Chen (JLAB)
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- B. S. Zou (ITP, Chinese Academy of Science)

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#### 8.4. Scientific Secretaries

Le Tan Phuc (IFAS, Duy Tan Univ.)

Nguyen Toan Tri Phuc (University of Science - VNUHCM)

Le Thi Quynh Huong (Univ. of Khanh Hoa)

#### 9. Hosts and Sponsors

- Van Lang University, Vietnam
- RCNP, Osaka University, Japan
- Nishina Center for Accelerator-Based Science, Japan
- RIKEN, National Research and Development Agency, Japan



We look forward to seeing you in the conference.

***Sincerely yours,***

Nguyen Ngoc Duy (Van Lang University), chair

Contact address: apfb2025@vlu.edu.vn