



**12th International Conference on
FRONTIERS OF PLASMA PHYSICS AND TECHNOLOGY (FPPT-12)
8-12 March 2027, Ha Long, Quang Ninh, Vietnam.**

FPPT-12 PROUDLY CELEBRATES THE SILVER JUBILEE OF ITS MISSION

**Hosted by
Institute of Materials Science, Vietnam Academy of Science and Technology,
Ha Noi, Vietnam.**

FIRST ANNOUNCEMENT

We are celebrating the Silver Jubilee of the FPPT Series. FPPT stands as a testament to our quarter-century of scientific achievement, international cooperation, and its enduring contribution to advancing plasma science and technology. This milestone is a significant achievement for the organisers.

For the past 25 years, the FPPT Series has successfully brought together more than one thousand leading scientists, researchers, and experts from around the world, fostering collaboration and innovation in Plasma Physics and Technology, with an emphasis on supporting the scientific community in developing countries.



Conference directors

Prof. Tara Desai (Chair), Prof. Tran Tuan Anh (Co-Chair), Prof. Prakash Patil.

Executive Committee: Profs. Fedosejevs R. (Canada), Hoffmann D. D. (Germany), Mendonça J. T. (Portugal), Perlado M. (Spain), Sen A. (India), Sharkov B. (Russia).

International Advisory Committee: Profs. Malka V. (Israel), Borisenko N. (Russia), Koenig M. (France), Krstulović N. (Croatia), Nguyen Quang Liem (Vietnam), Norreys P. (UK), V. Stancalie (Romania), Zhao Y. (China)

International Scientific Committee: Profs. Ozaki T. (Canada), Duong Dao Van (Vietnam), Gakovic B. (Serbia), Margarone D. (Czechia), Porcelli F. (Italy), Lan Ke (China), Tung Do Hoang (Vietnam), Vinko S. (UK).

National Organising Committee: Profs. Nguyen Thanh Tung (Chair), La Duc Duong, Nguyen Nhat Linh, Pham Sy Hieu, Nguyen Hoang Tung.

About the previous conferences: This is the Twelfth conference in the series, and the earlier conferences were held in different developing countries, including India (Bangalore-2002, Goa-2005), Thailand (Bangkok-2007), Nepal (Kathmandu-2009), Singapore (2011), Botswana (Gaborone-2013), India (Kochi-2015), Chile (Viña del Mar-2017), Sri Lanka (Negombo-2019), Nepal (Kathmandu-2023) and Croatia (Dubrovnik 2025).

Topics: The conference will place special emphasis on emerging frontier topics in plasma physics and related technologies, classified into the following 4 categories, but not limited to:

Track I. Fundamental plasmas: Astrophysical, cosmic and space plasmas; condensed and extreme-state matter; high-energy-density matter; laboratory astrophysical, planetary, supernova plasmas, etc.

Track II. Advances in Nuclear Energy: Magnetically confined plasmas, inertial fusion plasmas, nuclear physics under transient states, target and reactor physics, Renewable energy, unconventional energy sources, hybrid reactors, etc.

Track III. Innovative trends in applications and technologies: Technological innovations leading to newer applications, Generation of novel plasma, neutron, laser, and X-radiation sources, advances in particle/photon acceleration, nanotechnology, development of high-accuracy diagnostics, applications in agriculture, biology, chemistry, climate and environment, health, industries, safety, present and future of nuclear waste management and safety, and application of vacuum technology in plasma research, etc.

Track IV. AI-Assisted studies from all branches of Plasma Physics: Plasma Technologies, Explainable AI (XAI), Automated Feature Extraction from plasma studies, Human-AI collaboration in plasma experiments, etc...

Venue: 5 star hotel tbd, Ha Long, Quang Ninh, Vietnam. Details will follow later.

Conference registration: Kindly register on or before **15 Nov. 2026**, either online through the link (till 15 Nov. 2026) or send the completed registration form to the Secretary (till 15 Nov. 2026) at office@fpptseries.org

Abstract Submission: Kindly submit a one-page abstract online or send it to the conference Secretary before **05 Dec. 2026**, at office@fpptseries.org

Abstract format: Paper size: Standard A4. Page set-up: Margins: top/bottom/left/right 2.5 cm. Title of the abstract in capital letters, bold, centred, using Times New Roman with font size 14. Leave 2 lines of space. The author's name in font size 12 and centred. Leave 1 line space. The institute's name is in font size 10 and centred. 2-line opening before commencing the abstract in font size 12 (justified).

Text size should be single-spaced. References, if any, should be given in Arabic numerals in square brackets, and avoid figures if possible. Please provide the name and email of the corresponding author at the end of the abstract.

Kindly prepare the abstract as per the guidelines in an editable M.S. Word or equivalent software for the ease of necessary editorial work, if required for the uniformity of the book of abstracts. All the abstracts will be peer-reviewed under the supervision of the International Scientific Committee.

Confirmed Speakers: Some of the confirmed speakers include:

Profs: Belmonte Thierry (France), Bláha Pavel (Czechia), Borisenko Nataliya (Russia), Chaker Mohamed (Canada), Corr Cormac (Australia), Dornheim Tobias (Germany), Fasoli Ambrogio (Switzerland), Fedosejevs Robert (Canada), Fukuyama Atsushi (Japan), Giuffrida Lorenzo (Czechia), Gregori Gianluca (UK), Gries Thomas (France), Hamdan Ahmad (Canada), Hoffmann Dieter (Germany), Hou Yong (China), Humphries Oliver (Germany), Kaiser Ralf (ICTP), Ke Lan (China), Koenig Michel (France), Kourakis Yannis (UAE), Krishnamurthy M. (India), Li Ding (China), Malka Victor (Israel), Mendonça J. T. (Portugal), Miloch W. J. (Norway), Moczulski Kassie (France), Marcos Gregory (France), Nagler Bob (USA), Nguyen Nhat Linh (Vietnam), Nguyen Truong Son (France), Norreys Peter (UK), Ozaki Norimasa (Japan), Ozaki Tsuneyuki (Canada), Perlado Manolo (Spain), Pomerantz Ishay (Israel), Porcelli Franco (Italy), Ravindra Kumar (India), Riconda Caterina (France), Sen Abhijit (India), Sharkov Boris (Russia), Shen Baifei (China), Throumoulopoulos George (Greece), Vinko Sam (UK), Wan Yang (China), Xiao Chengzhuo (China), Xiao Chijin (Canada), Zhao Yangtao (China), Zvorykin Vladimir (Russia).

Forthcoming important dates:

Registration	15 Nov. 2026, Early reg preferred
Abstract submission:	05 Dec. 2026, or earlier
Author notification on the abstract:	15 Dec. 2026
Second announcement:	05 Jan. 2027
Scientific programme:	15 Feb. 2027
Final announcement:	15 Feb. 2027
Registration on desk:	08 Mar. 2027

Conference registration fee: For International delegates (other than Vietnam)

We will communicate the bank details later for the transfer.

- Early registration fee: 600 Euro **until 05 Jan. 2027**.
- Late registration fee: 650 Euro.
- Student reg fee is 500 Euro.

The reg. fee covers attendance at all sessions, daily two coffee/Tea breaks, welcome reception, banquet, lunches during the conference days and conference materials.

The Conference is self-financed. Delegates are requested to make their financial arrangements.

Publication: High-quality articles presented during the conference will be published in a special issue of the Elsevier journal "Fundamental Plasma Physics" titled "**Frontiers of Plasma Physics and Technology 2027 (FPPT-27)**". *It is not a conference proceeding.*

This will be in line with the 2nd Special Issue, FPPT-11, held in Dubrovnik in May 2025:
<https://www.sciencedirect.com/special-issue/10C73BKL5KC>

The 1st special issue, FPPT-23, was published following the FPPT-10 held in Kathmandu in March 2023;
<https://www.sciencedirect.com/special-issue/10XSFZJ7JHZ>

Conference accommodation: Organisers are finalising suitable accommodation for the conference delegates, which will be communicated later.

About Ha Long and Vietnam: Ha Long is situated in northeastern Vietnam in Quang Ninh Province, on the coast of the Gulf of Tonkin. Ha Long, meaning “Descending Dragon,” is one of Vietnam’s most spectacular and culturally treasured destinations, where nature, history and human heritage come together in extraordinary harmony. At its heart lies Ha Long Bay, a breathtaking seascape of emerald waters, towering limestone islands, caves and tranquil inlets, shaped over millions of years by the forces of nature. Recognised by UNESCO as a World Heritage site in 1994, Ha Long has global significance.

Vietnam is a Southeast Asian Country located on the eastern side of the Indochinese Peninsula. It shares land borders with China to the north, Laos to the west, and Cambodia to the southwest, while its long eastern and southern coastline faces the South China Sea. The country is long and relatively narrow, stretching about 1,650 km from north to south, with a diverse landscape of mountains, river deltas, forests, highlands and coastal plains.

Vietnamese people are known for being warm, friendly, and hospitable toward visitors.

Political: Vietnam is a socialist republic led by the Communist Party of Vietnam, which plays the central role in the country's political system. Vietnam has increasingly strengthened its diplomatic and economic relations with countries around the world and is an active member of major international organisations. Vietnam is regarded as a peaceful country.

Cuisine: Ha Long is renowned for its fresh seafood. Popular local specialties include grilled squid, oysters, prawns, crabs, clams, and the famous *chả mực* (Ha Long squid sausage). Vietnamese cuisine combines fresh ingredients with aromatic herbs, rice, noodles, and delicate flavours, offering a wide variety of vegetarian and non-vegetarian dishes. Visitors can enjoy traditional Vietnamese coffee, tropical fruits, and regional specialties, and there are several traditional alcoholic drinks; the most distinctive traditional drink is rice wine, *rượu*.

Visa Information: Vietnam offers a convenient electronic visa (e-Visa) system for international visitors. Depending on nationality, travellers may either enter Vietnam visa-free or apply online for an e-Visa, which can be issued for up to 90 days with single or multiple entry. Participants attending FPPT-12 are advised to check the visa requirements for their nationality and apply well in advance of their travel. The official Vietnamese Immigration e-Visa portal provides the latest information and application facilities. Please check the official e-Visa portal <https://evisa.gov.vn/> for current regulations before your trip, as policies can change.

Delegates requiring an invitation letter for official formalities or visa purposes are advised to contact Ms. Pham Thi Hue, local organiser (huept@ims.vast.ac.vn) in advance, no later than 15th Dec. 2026, with cc to the conference secretariat, office@fpptseries.org

Currency and Banking System: The official currency of Vietnam is the Vietnamese đồng (VND). For international visitors, cash and electronic payments are both widely used. Major hotels, resorts, restaurants and shops generally accept international credit/debit cards, while smaller establishments may prefer cash in Vietnamese đồng. At present, 1 Euro is approximately 30,000 VND.

Language: The official language of Vietnam is Vietnamese (Tiếng Việt). It is the main language used in government, education, business, and everyday life.

Climate in Ha Long in March: March is generally a pleasant and relatively cool month in Ha Long, as the region moves from winter toward spring. Average daytime temperature is around 23–24°C, while nights are typically around 20°C. The weather can be humid, cloudy and occasionally misty, with some light rain.

Time Zone: Vietnam uses Indochina Time (ICT). It is GMT +7 hours throughout the year. Vietnam does not observe daylight saving time.

Contact:

Prof. Tara Desai, Director and Chair, FPPT-12, director@fpptseries.org

Conference Secretariat: office@fpptseries.org

Prof. Nguyen Thanh Tung (Chair, NOC), tungnt@ims.vast.ac.vn

For Visa purpose: Ms. Pham Thi Hue, local organiser, huept@ims.vast.ac.vn



FPPT-12

Welcome to FPPT-12, Ha Long, Vietnam
