

## Important Dates

15th April 2025	<b>Abstract Submission Opens</b>
10th May 2025	<b>Abstract Submission Deadline</b>
20th May 2025	<b>Acceptance of Abstract and Registration Opens</b>
15th June 2025	<b>Registration Deadline</b>
30th June 2025	<b>Complete Paper Submission</b>

## Fee Details

Category	Amount
Students/ Research Scholars/Postdocs	• 3000/-
Faculty & Scientists	• 4000/-
Industry Representative	• 5000/-

## Abstract Submission:

Click here to submit your abstract for PSSI-PSC2025  
<https://event.ipr.res.in/event/15/>

- Bank details and links for registration •

## Bank Details:

**Account Name:**  
**CENTRE FOR SCIENTIFIC A A R IPS ACADEMY**

**Account Number: 50100800786432**  
**IFSC Code: : HDFC0007809**

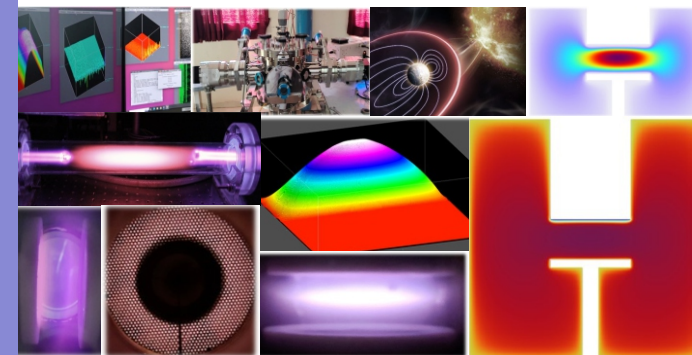
## About Indore



Indore, a commercial capital of Madhya Pradesh and awarded seven-times with India's cleanest city title, is a vibrant city steeped in history, culture, religious and culinary traditions. Nestled on the Malwa Plateau, Indore seamlessly combines historical grandeur with modern development. Once the seat of the Holkar dynasty, it is home to iconic landmarks such as Rajwada, Lal Bagh Palace and cenotaphs (chhatris). Famous for its food culture, the city delights with several cuisine fused with local blend, especially at Sarafa Bazaar and Chappan Dukan, offering an irresistible variety of delicacies. Indore also stands as a prominent education and research hub, housing both IIT and IIM, State University DAVV, and premier research centers - ICAR, NSRI, RRCAT and UGC-DAE CSR. Along with several private institutions, including IPS Academy, the city fosters innovation in science, technology, and sustainable development. The city also evolved as an industrial hub in sectors like IT, automobile, pharmaceutical and textiles encompass more than 1200 units. With its unique blend of Culture, Tradition, Education/R&D, and Industrialisation, Indore continues to flourish as the heart of Madhya Pradesh.

## 11<sup>th</sup> PLASMA SCIENCE SOCIETY OF INDIA PLASMA SCHOLAR'S COLLOQUIUM (PSSI-PSC-2025)

July 2-4, 2025



Organized by

**IPS Academy**

Centre for Scientific and Applied Research



## Contact

(Convener) - Dr. Nishant Sirse, IPS Academy, Indore  
 (Co-convener) - Dr. Bhargav Vaidya, DASSE, IIT, Indore

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## Venue

**IPSA Premium Auditorium**

IPS Academy, Rajendra Nagar, Indore, India

## Registration link:

## Google form

<https://forms.gle/kyaQDzq6tQt4N9D19>

Website: PSC2025CSAR.ipsacademy.org

## Organizing Committee

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### Convenor

Dr. Nishant Sirse  
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## About PSSI-PSC

The Plasma Science Society of India (PSSI) inaugurated the Plasma Scholars' Colloquium (PSC) series in 2012, and it has since become an esteemed annual tradition. Conceived as an exclusive intellectual crucible, this colloquium cultivates profound scholarly discourse among undergraduate and postgraduate students, research scholars, and postdoctoral fellows devoted to the exploration of plasma science and technology. It provides an unparalleled platform for emerging researchers to engage in exhaustive scientific deliberations, fostering collaboration and intellectual synergy that propel the field forward. The event is distinguished by student-led oral and poster presentations, enriched by visionary discourses from eminent plasma scientists across the nation, offering invaluable insights into the frontiers of plasma research.

## About Indore Professional Studies (IPS) Academy

Established in 1994, IPS Academy has emerged as one of Central India's leading institutions, known for its unwavering commitment to academic excellence, research, and innovation. With a visionary motto — Identify. Ignite. Innovate. — the Academy continues to shape future-ready professionals equipped with both knowledge and creativity. Under the dynamic leadership of President Ar. Achal Choudhary, an esteemed alumnus of IIT Kharagpur, IPS Academy has experienced remarkable growth and transformation. Today, it comprises 16 colleges offering 76 diverse programs, powered by a dedicated team of over 500 faculty members and more than 10,000 students. The institution has also extended its academic footprint by establishing campuses in Sanwer and Jhabua all under the strategic mentorship of IPSA Indore. Spread across a sprawling 60-acre lush green campus, IPS Academy Indore boasts world class infrastructure including well equipped laboratories, modern libraries, advanced classrooms, and architecturally designed academic buildings. As a UGC Autonomous Institute in Engineering and Management education, IPS Academy continues to lead the way in academics and research. A significant milestone in its journey is the establishment of the Centre for Scientific and Applied Research (CSAR), the designated R&D center of IPS Academy. With a strong global presence, IPS Academy takes pride in its alumni network of over 100,000 professionals making a mark across the globe. Its central placement cell is one of the most active in the region, hosting 500+ recruiting companies annually, including 250+ nationally and internationally recognized brands. IPS Academy is a place of learning that aims to guide young minds, encourage new ideas, and help create a better future.

## About Centre for Scientific and Applied Research

The Centre for Scientific and Applied Research (CSAR) at IPS Academy, established in 2021, stands as a dynamic cross-disciplinary research institute dedicated to drive research and innovation. CSAR's core mission is to foster groundbreaking knowledge creation, support innovation, and bridge the gap between academic research and practical, real-world applications, reinforcing the institution's role as a catalyst for both academic excellence and impactful solutions for societal benefits. CSAR research in plasma physics focuses on developing, and transferring plasma-based technologies to industries, enabling technology commercialization based on DC, RF, and Microwave discharges. The group is actively involved in nuclear fusion research where world-leading experts are working towards the development and diagnostics of negative ion sources for neutral beam plasma heating. The plasma research at CSAR also involve dedicated simulation studies utilizing particle-in-cell and fluid techniques. The laboratory is well-equipped with modern facilities for plasma production, and in-house developed diagnostic instruments including electrical, optical, and microwave.

## About PSSI-PSC

**The conference is planned to be conducted in different sessions covering following aspects of plasma science & technology:**

- Fundamental Plasma (Theory and Experiments)
- Plasma for Energy and Space
- Plasma for Environment and Health
- Plasma Based Material Processing

**The broad areas that will be covered in these sessions are:**

- Fundamental Plasma Physics
- Plasma Diagnostics
- DC/RF/Microwave Plasmas
- Plasma Simulations
- Exotic Plasmas (Including Dusty Plasma)
- Industrial Plasma Applications
- Laser Plasmas
- Nuclear Fusion & Technology
- Space & Astrophysical Plasmas
- Any other Plasma area

### Special Session

A Special Session will feature industrial talks focusing on the following key areas:

- Electrical Thrusters
- Etching and Deposition
- Plasma Diagnostics
- Semiconductors

## Who Can Apply

The colloquium is open to research scholars/postdocs/industrial participants working in theoretical/ computational and/ or experimental plasma science and technology.

Abstract template is available on the <https://event.ipr.res.in/event/15/>

Abstract and Conference Proceedings Submission: Only soft copies of abstracts and conference proceedings will be accepted. Submissions must not exceed five A4-sized pages and should be uploaded through the online submission portal available on the conference website

## Registration

All participants are required to register for the colloquium. Online registration can be completed through the link available on the official PSSI-PSC-2025 website.

For registration-related queries, please contact us at:  
[PSSI.PSC2025@gmail.com](mailto:PSSI.PSC2025@gmail.com)

## Awards

Best oral and poster presentations awards will be given to participants based on a thorough evaluation process.

## How to reach IPS Academy, Indore

Indore is well connected to other cities of India via air, trains and roads. To reach the IPS Academy Indore, you can use various modes of transportation according to your convenience.

The distance of IPS Academy Indore from key spots in Indore (IDR)

- 11 km from Devi Ahilyabai Holkar International Airport, Indore
- 8 km from Indore Railway Station
- 7- 12 km from Bus stations