International Conference
on
Advances & Innovations
in
Materials and Plasma Science
(AIMPS-2027)

Innovating Materials and Plasma Science for a Sustainable Future

To support SDGs through scientific innovation, clean energy, and environmental sustainability

4th – 6th MARCH, 2027

Organized By

Department of Physics
Sardar Vallabhbhai National Institute of Technology (SVNIT) Surat

Website: aimps2027.vercel.app/
Email: conf.svnit@gmail.com
Venue: Sardar Vallabhbhai National Institute of Technology, Surat 395007, Gujarat, India

ABOUT THE CONFERENCE

Hosted by the Department of Physics, SVNIT Surat, in association with IIT Delhi, IIT Indore, MNIT Jaipur, and Narola Machines, the three-days international conference on Advances and Innovations in Materials and Plasma Science (AIMPS-2027) provides a collaborative forum to showcase recent developments, address key technical challenges, and foster interdisciplinary research across Materials Science, Plasma Physics, and AI/ML applications in materials and plasma science. It serves as a premier global platform bringing together leading researchers, academicians, and industry experts.

ABOUT THE SVNIT SURAT

SVNIT Surat, established in 1961, is a premier technical institution recognized as a Deemed University in 2002 and an Institute of National Importance in 2007. It offers UG, PG, integrated Master's, MBA, research, and PhD programs across engineering, science, management, and Humanities. With strong academic expertise, research infrastructure, and multidisciplinary collaboration, SVNIT actively contributes to research, innovation, prototype development, and practical engineering solutions.



SCOPE OF THE CONFERENCE

Materials Synthesis and Characterization: Glasses and Amorphous Systems, Nano-materials, Nanotechnology, Surfaces, Interfaces, Thin Films

Materials Application: Spintronics, Multiferroics, Optoelectronic Materials, Sensors, Magnetic materials, Superconductor, metal-ion battery, fuel cell, supercapacitor, applications towards the national quantum mission

Plasma science and applications: Basic plasma physics, plasma sources, and diagnostics; Space, astrophysical, and dusty plasma; Plasma applications

Energy & Environment applications: Hydrogen generation and storage, waste-water treatment, waste recovery, agriculture and clean energy applications

Computational methods: Computational Science, AI, and Machine Learning methods applied to Materials and Plasma Science

IMPORTANT DATES

Abstract Submission	**Opens on 01 November 2026** **Closes on 10 January 2027**
Registration	**Open on 15 November 2026**
Early-bird Registration	**By 20 January 2027**
Late Registration	**By 10 February 2027**

ABSTRACT SUBMISSION LINK

https://forms.gle/PmDkiyi6N2vvEeuU9

ADVISORY BOARD

Prof. Ana Sobota, Eindhoven University of Technology, Netherland
Prof. Chanho Moon, Kyushu University, Japan
Prof. Rajdeep Singh Rawat, NTU Singapore
Prof. S. C. Thakur, Auburn University, USA
Prof. Saw Sor Heoh, Vice-Chancellor, First City University College, Malaysia
Prof. Udo Schwingenschlögl, KAUST, Saudi Arabia
Prof. Yukiko Takahashi, NIMS, Japan
Prof. Amar Kakkad, IIG Mumbai
Prof. Anuraj Panwar, JIIT Noida
Prof. H. Bailung, IASST Guwahati
Prof. K. G. Suresh, IIT Bombay
Prof. K. L. Yadav, IIT Roorkee
Prof. Manoj Kumar, JIIT Noida
Prof. N. S. Saini, GNDU, Amritsar
Prof. Ritesh Gangwar, IIT Tirupati
Prof. Satyanand Kar, IIT Delhi
Prof. Sudeep Bhattacharjee, IIT Kanpur
Prof. Suman K Mishra, Ex-Director, CGCRI, CMERI

ORGANIZING COMMITTEE

Chief Patron
Prof. Anupam Shukla, Director, SVNIT Surat
Chairman
Prof. A. K. Rai, SVNIT Surat
Prof. V. A. Kheraj, SVNIT Surat
Prof. R. Narayanan, IIT Delhi
Prof. A. Kushwaha, IIT Indore
Organizing Secretary
Dr. Shail Pandey, SVNIT Surat
Dr. Himanshu Pandey, SVNIT Surat
Dr. Mithun Karmakar, SVNIT Surat
Dr. D. Sahu, IIT Delhi
Dr. A. Dutta, MNIT Jaipur

ABOUT THE DEPARTMENT

The Department of Physics at SVNIT, Surat, is a leading center for education and cutting-edge research in physical sciences. It offers comprehensive academic programmes, including 5-year Integrated M.Sc. (Physics), 4-year B.Tech. (Engineering Physics), and a rigorous Ph.D. programme. The department provides a strong theoretical and practical foundation through modern teaching methods and well-equipped research laboratories. Its vibrant research ecosystem spans diverse frontier fields, including Condensed Matter Physics, Materials Science, Astrophysics, Nuclear and Particle Physics, Plasma Physics, and High Energy Physics. Recognized nationally and internationally, the department actively contributes to advancing science and technology through externally funded research projects, global research collaborations, and prestigious national and international awards. Through its commitment to excellence, the Department of Physics continues to cultivate a skilled pool of future scientists, researchers, and frontline engineers to meet evolving national and global needs.

ACCOMMODATION

Sharing accommodation on a "Payment basis" can be booked at the SVNIT Guest House as per the availability of rooms.
Contact Details for Room Charges & Booking:
Email: svnitguesthouse@gmail.com
WhatsApp No.: 7008110963 (Mr. Sahoo)
Attendees are welcome to explore other nearby hotels to suit their preferences.

REGISTRATION FEES#

Delegates	Early-bird by 20 January 2027		Regular After 20 January 2027	
	Indian (INR)	Foreigner (USD)	Indian (INR)	Foreigner (USD)
PG/PhD Student (Offline Mode)	2360	100	2950	150
PG/PhD Student (Online Mode)	1180	50	1770	100
Faculty/Researcher (Offline Mode)	4720	200	5310	250
Faculty/Researcher (Online Mode)	2360	100	2950	150
Industry Professional	5900	300	7080	350

Including GST. The registration fee includes Conference Kit, Tea and Working Lunch during March 04th – 06th, 2027. The registration fee is non-refundable and should be paid through online mode to the following account or by scanning the QR code.

Account Name: Director, SVNIT-CCE
Bank Name: SBI (SVRCET Branch)
Account Number: 37030749143
IFSC Code: SBIN0003320
MICR Code: 395002012
UPI ID: DIRECTORSVNITCCE@SBI

AWARDS

Oral Presentation Awards
Poster Presentation Awards

CONTACT US

Dr. Shail Pandey, SVNIT Surat (+91 99364 61823)
Dr. Himanshu Pandey, SVNIT Surat (+91 81304 25223)
Dr. Mithun Karmakar, SVNIT Surat (+91 95642 42146)

Email: conf. svnit@gmail.com