



2nd International Additive Manufacturing & Vacuum Technology Conference (IAMVT Conference)

October 21 – 23, 2025

Organized By

National Centre for Physics, Islamabad, Pakistan



Conference Objectives & Takeaways:

Pakistan Institute of Additive Manufacturing (PIAM3D) and National Institute of Vacuum Science & Technology (NIN VAST) are jointly organizing the 2nd International Additive Manufacturing & Vacuum Technology (IAMVT) Conference, to be held from October 21–23, 2025 at NCP, Islamabad. With the essence and experience of last year's successful conference, this event aims to promote the practical adoption of additive manufacturing and vacuum technologies across Pakistan's R&D institutions, industry, and academia. Valuable technical perspectives from leading global experts will help shape meaningful dialogue and open avenues for future collaboration.

Participants will gain exposure to the latest advancements, engage in expert-led discussions on real-world challenges and innovations, and explore advanced 3D printing and vacuum systems at NCP through guided technical visits and demonstrations.

Topics and Coordinators:

A. Additive Manufacturing (AM)

- Emerging technologies and innovative applications in AM.
- Polymer AM: mechanical behavior, functional materials, direct/indirect applications, and large-format printing
- AM for lightweight structures and advanced designs for space applications
- DfAM best practices - support reduction, process simulation, design standards
- AM of ceramics, refractory metals, intermetallic compounds, high-entropy alloys
- Quality assurance of AM parts, processes, and feedstock materials
- Qualification of AM components for aerospace and biomedical applications

Coordinators: Mr. Numan Ghazali, Mr Hammad Nadeem

B. Vacuum Science & Technology (VST)

- Primary/Secondary Standards for Vacuum Metrology
- Achieving ultra-high vacuum through nonevaporable thin films
- Lubricative Sealing Techniques as vacuum to atmosphere barrier
- R&D of materials for Vacuum applications
- Vacuum Outgassing and its relevance for satellite industry
- Advanced Leak Testing Techniques & Hot Helium leak testing
- Vacuum as a Gateway to Explore and win in Space

Coordinators: Ms Irum Munir, Mr Jawad Ali

Target Participants:

- Research scientists & engineers from R&D organizations
- Graduate / postgraduate students, faculty from academia related to the field. Applicants with poster presentations will be preferred. Best posters will be awarded.

How to apply:

The registration form can be accessed at: <https://www.ncp.edu.pk/iamvt-2025.php> for onsite and online participation. The application form should be submitted by Sep 30, 2025. Selection will be made by the Technical Committee and will be informed via email. Online participation will be facilitated via Microsoft Teams for registered participants.

Registration Fee:

Students: Rs 4,000/-

Online Participants: Free of Cost

Professionals: Rs. 8,000/-

Accommodation Charges: 3,000/-

Organizing Committee:

Mr. Zia-ud- Din Qasi
Mr. M.Kamran Saadat

Dr. Ali Ahmed
Dr. Tanzeel Murtaza

Patron-in-Chief

Dr Qaisar Ahsan, DG NCP

Conference Directors

Dr Aqeel Ahsan Khurram

Dr Ahmed Yar

Technical Committee

Additive Manufacturing

Dr Naveed Ahsan

Dr Umar Shahbaz

Dr Rizwan Alam Mufti

Mr Mushtaq Khan Burki

Dr Muhammad Munawar

Mr Qamar Maqbool

Mr Hamid Zubair Warraich

Vacuum Technology

Dr M. Yasin Shami

Dr Wakil Khan

Dr Muhammad Arif

Mr Ishtiaq Hussain

Mr Sulaiman Malik

Foreign Speakers

Additive Manufacturing

Mr Gribkov Maksim (Russia)

Dr Feng Lin (Tsinghua Univ, China)

Dr Remzi Ecmel Ece (Turkish Aerospace Industries, Ankara)

Prof. Dr Metin U. SALAMCI (Gazi Univ, Türkiye)

Vacuum Technology

Dr Ruifang Zhang (Lanzhou Univ, China)

Dr Abrar Khan (Power Genix System, Shenzhen, China)

Distinguished Local Speaker

Additive Manufacturing

Dr Saleem Sayani, Aga Khan Univ, KHI

For Queries:

Additive Manufacturing

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Vacuum Technology

Ms. Irum Munir
(Conference Dy Secretary)

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Application Deadline
Oct 10, 2025

Online Participation
Oct 15, 2025

For further Information, please contact

Collaborations & Academic Activities Directorate (CAAD)

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