

INTERNATIONAL CONFERENCE ON 3D PRINTING & VACUUM TECHNOLOGY

23-25 Oct, 2024

Organized by COE PIAM3D & COE NINVASt at NCP, Islamabad

CONFERENCE SUMMARY

Conference Topics

A. Additive Manufacturing (AM)

- 3D Printing Fundamentals & Technical Developments
- Design for Additive Manufacturing
- Additive Manufacturing of Porous Ceramics
- 3D Printing of Aero structures at Turkish Aerospace
- Direct Digital Manufacturing and DFAM of wave springs/ composite structures
- Numerical Process Simulation for Geometric Irregularities in Directed Energy Deposition
- 3D printed Honeycomb Cores for Different Applications
- Post-Processing Techniques of Additively Manufactured Components
- Local development of feed materials for Binder Jet and FDM 3D Printers
- Additive Manufacturing of aluminum thin wall structures
- Additive Manufacturing for Large Format Aerospace Components Development

B. Vacuum Science & Technology (VST)

- Classical & Optical Standards for Vacuum Metrology
- Development of new Ionization Gauge now standardized in ISO/TS 6737
- ISO Standards for Vacuum Metrology
- R&D of materials for Vacuum applications
- Vacuum & Outgassing and relevance for semiconductor industry
- Partial Pressure Calibration Standard at PTB.

International Conference Speakers

3D Printing

Prof. Dr. Zhangwei Chen (Shenzhen Univ, China)

Dr. Ilhan Sen (Turkish Aerospace Industries, Ankara)

Prof. Dr. Yusuf Kaynak (Marmara Univ, Istanbul)

Vacuum Technology

Prof. Dr. Karl Jousten (PTB, Germany)

Dr. Annas Bin Ali (PTB/ASML Outgassing Group, Germany)

Participants

Professionals	139
Academia	10
Invited Speakers	13
Total	162