



# POWDER METALLURGY ASSOCIATION OF INDIA

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## Editorial

Dear Friends, PMAI Well Wishers,

As we commence Financial Year 2027, we continue to deal with plenty of Uncertainty: driven by wars fueled by geopolitics and trade wars. There are critical material shortages, as countries weaponise critical materials and use them as leverage. We also appear to be entering a commodity supercycle.

Despite and because of the significant challenges, a lot of opportunities will be created. Innovation will accelerate and industry will respond with Vigor. For India, the elevated crude prices and critical shortages present some challenges, however, the government is responding proactively, and working on long term plans to derisk such scenarios. The 5th Pay Commission revision for central government employees effective later this year and state government employees over the next couple of years will present a 100 Billion USD salary surplus which will fuel consumption and drive economic growth and premiumisation.

For PMAI, April 26- March 27 will be an eventful year with high impact activities commencing with GD&T program to train students, PMAI Pavilion at Bharat Mobility at Yashobhoomi, our and finally our International Conference and Exhibition, which will be held in Hyderabad in early 2026. Other initiatives and activities are under active discussion.

Our Newsletter has detailed report on our recently concluded International Conference in Chennai: 5 to 7 March 2026. Please keep track of forthcoming activities, by visiting our website [www.pmai.in](http://www.pmai.in) and our linkedin page.

I wish all of you the very best for the coming days.

Warm regards,

**Aniket Gore**



## Forthcoming Events by PMAI 2026-27

# PM 27

**INTERNATIONAL CONFERENCE ON POWDER METALLURGY  
AND PARTICULATE MATERIALS WITH SHOW CASE EXHIBITION  
52<sup>ND</sup> ANNUAL TECHNICAL MEETING OF PMAI**

at Hyderabad

**Dates & Venue to be announced**

For details  
[www.pmai.in](http://www.pmai.in)

# NEWSLETTER

# Report on International Conference PM26

The Powder Metallurgy Association of India (PMAI) organized a Three-day International Conference on Powder Metallurgy and Particulate Materials 2026 (PMAI-PM26) along with Exhibition during 5<sup>th</sup> to 7<sup>th</sup> March 2026 at Chennai Trade and Convention Centre, Nandambakkam, Chennai, Tamil Nadu, India.

The Conference had attendance of more than 250 Participants, including International Participants from Europe, Russia, USA and Asia. There were 3 Memorial Lectures, 12 Keynote lectures and 33 Invited Talks in addition to over 100 contributory Paper Presentations including posters. All esteemed speakers were presented with mementos by PMAI.

Anchor Ms. Ankita Agarwal welcomed all the dignitaries present for the international conference PMAI PM26.

Dr. Bharat Panigrahi, the convener PM25, encapsulated the essence of the event comprehensively! He highlighted the need to expand and extend the horizon of the particulate technology to wider range of applications. He stressed his views to diversify from traditional methods like Press & Sinter to cutting-edge technologies like Aerospace materials, Additive Manufacturing, Battery Materials and from materials like Hard Metals to emerging ones like technical ceramics and composites. He remarked that our Annual PM Conference offers something for everyone involved from the PM Industry. Additionally, conference participation wasn't just limited to industry professionals but also welcomed academia and research centres, ensuring a holistic exchange of knowledge and ideas. Dr. Panigrahi took special effort to ensure good presence from Industry, Academia and R&D institutions. His emphasis on international participation enriched the ongoing discussions and helped foster collaboration across borders.

Chief Guest Mr. Santharam Raghavan of Caterpillar India inaugurated conference, he spoke about Caterpillars journey, and potential to add PM Parts substituting their conventional cast and forged parts.

Mr. Aniket Gore, President - PMAI, commenced his Presidential Address by introducing PMAI journey, activities in FY25 26, and the way ahead. His presentation had detailed and nuanced perspective and insights on the Indian Economy, Emerging Trends in the Automotive Sector, and overview of the Auto component Industry. He finished with status of Powder Metallurgy in India, and a SWOT Analysis for PM industry.

PMAI is blessed with robust sponsor support. The Principal Sponsor of the PM26 Conference was FLUIDTHERM who were the Rhodium Title Sponsor.

Platinum sponsors were DORST Technologies, Höganäs, and JSC Crystall, SACMI Imola, SLM Metals, Speciality Sintered Pvt. Ltd and Haili Press.

Gold sponsors were ALPHIE, Codina, DR. FRITSCH, Cincy China, GOPI METAL POWDERS, Innomet Advanced Materials, Lattice Aerospace, Pometon, Malvern Panalytical, OSTERWALDER, PVA TePla, SMAC China, Shenyang Hengjin Vacuum Technology, China. Finally, silver sponsors were Makin Metal Powders, PP Patel & Co, Conation and Newmet. Hilti India sponsored the Cultural event while gala dinner for day one was sponsored by Hoganas India and for day 2 it was Porite India.

President appreciated the help rendered by Sponsors and Exhibitors, namely, Fluidtherm Technologies represented by Mr. C. Venkateswaran, DORST Technologies represented by Mr. Eric Prommer, Höganäs India represented by Mr. Sunil Muralidharan, Porite India represented by Mr. Sandeep Fatangare, Pometon India Represented by Mr. Deepak Nimbalkar, SACMI Imola represented by Mr. Stefano Cappitelli, JSC Crystall represented by Ms. Elena, Haili Press represented by Mr. Aliasger Padediwala, Dr. Fritsch represented by Mr. Arthur Becker, Gopi Metal represented by Mr. Neeraj Sarda., Hexagon Product Development Pvt. Ltd. represented by Mr. Jigar Talati, Innomet Advanced Materials Represented by Mr. Vinay Choudhary, Makin Metal Powders represented by Mr. Gore, Malvern Panalytical represented by Ms. Sangeetha Raj, Osterwalder AG, represented by Mr. Ignace Zwygart, PVA Industrial Vacuum Systems GmbH represented by Mr. S.K.Subramanian, Codina represented Mr. Kumaran T, Cincy China represented by Mr. YISONG WU, SMAC

The poster features a grid of sponsor logos at the top, including Fluidtherm (Rhodium Title Sponsor), Dorst, Höganäs, JSC Kristall, SACMI, SLM, Speciality Sintered Products Pvt. Ltd., and Haili Press (Platinum Sponsors). The PMAI logo is prominently displayed in the center. The text below the logo reads: 'POWDER METALLURGY ASSOCIATION OF INDIA INTERNATIONAL CONFERENCE ON POWDER METALLURGY & PARTICULATE MATERIALS + EXHIBITION PM-26 WITH 51st ANNUAL TECHNICAL MEETING OF PMAI 05th - 07th March, 2026'. At the bottom, it lists the venue: 'Chennai Trade Convention Center, Nandambakkam, Chennai, India' and the website 'www.pmai.in'. A 'SOUVENIR' badge is also present.

represented by Mr. SONG Jingru, P P Patel represented by Mr. Keyur Patel, SLM represented by Mr. Piyush Agarwal, Speciality represented by Mr. Niranjn Narkhede, Lattice Aerospace represented by Mr. Kartik Katekar, Conation represented by Mr. Prashant Pachave, Newmet represented by Mr. Manpreet Sachdeva, Shenyang Hengjin Vacuum Technology, China represented by Mr. Li Zheng.

In the presence of all the dignitaries, the International Conference PM26 Souvenir was released which comprised of extended abstracts of all the invited and contributory talks on plethora of topics related to PM. The inaugural program ended with a vote of thanks from Mr. Akshay Patil, General Secretary PMAI, who also declared the Exhibition open.

A grand musical cultural event was held featuring young renowned maestros who had mastery over different musical instruments from South India. They received standing ovation from the enthusiastic international audience.

PMAI Best Products, Best Paper and Young Professional Awards were presented, details follow later in the report.



*Ms. Ankita Agarwal Welcoming the Guests*



*Dr. Bharat Panigrahi, the convener PM26, addressing delegates*



*Lamp Lighting by Mr. Aniket Gore, President, PMAI along with Dr. Bharat Panigrahi and Chief Guest Mr. Santharam Raghavan*



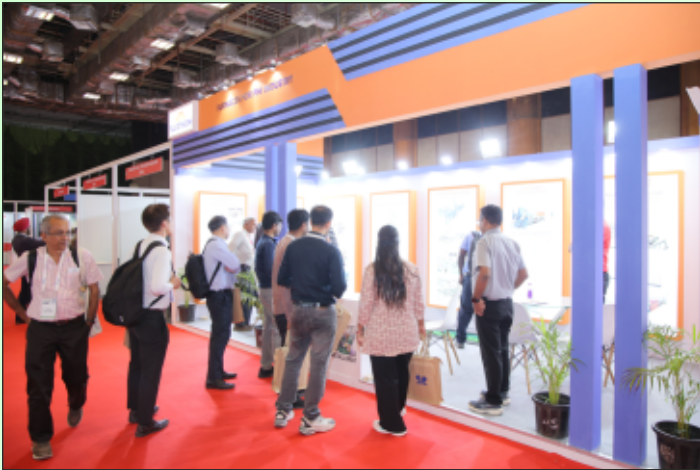
*Chief Guest Mr. Santharam Raghavan addressing the delegates*



*Mr. Aniket Gore President PMAI delivering inaugural address*



## Exhibition at glance - International Conference PM-26



*Layavinyasam: A Carnatic Music Showcasing Rhythm and Percussion  
Sponsored by Hilti Manufacturing India Private Limited*

## PMAI Awards at International Conference PM-26

Powder Metallurgy Association of India invited nominations for **Best PM Product award** to be conferred during the **International Conference PM 26** to be held during **5<sup>th</sup> and 7<sup>th</sup> March 2026** at Chennai Trade Convention Centre, Nandambakkam, Chennai.

Purpose of the award is to recognize the innovation / expertise in the field of PM materials, design and manufacturing technology. Best Product Award Certificate and trophy for winners in each of the categories will be presented during the conference.

Awards were declared in four categories for the products developed indigenously

1. Conventional Press-Sinter PM Parts includes Hard Materials and Diamond Tool Parts,
2. Additive Manufacturing, and specially developed powders
3. Metal Injection Molding and Hot Isostatic Pressing
4. Innovations in PM process Equipment

### PRODUCT AWARDS

**CECRI, Karaikudi**

**Human Body Implants Additive Manufacturing** (Category : PM Product Development & Innovation)

**Egearz Private Limited, Pune**

**INTERMEDIATE PULLEY - Conventional Press-Sinter PM Part** (Category : PM Parts)

**Fluidtherm Technology Pvt. Ltd., Chennai**

**Vertical Sintering Furnace** (Category : PM Process Equipment)

### BEST PAPER AWARD

**Coke Ovens as Recycling Reactors: Industrial Experience and Process Considerations for Waste Plastic Utilization**

**Sneha Akre\*, P. Sannith Reddy, A.V. Ratnaprasad**

Evonith Steel, Wardha, India

**Laser Powder Bed Fusion of Inconel 939: Parameter Optimization and Microstructural Behavior on Mechanical Properties.**

**M. Srikanth, B. Sai Charan, K Samadhanam, K. S. Suresh, Deepak K. Pattanayak,**

CSIR- Central Electrochemical Research Institute Karaikudi, Indian Institute of Technology Roorkee

**Influence of Apex Angle of the Gas Nozzle in Gas-atomization of Copper Powder**

**Sumit Rai, Supriya Sarkar, and Shamit Bakshi**

Indian Institute of Technology Madras, Allema India Pvt. Ltd., Pune

### Member News



**Mr. Sandeep Fatangare** has been elevated to the role of Managing Director at **Porite India Pvt Ltd India**, following his tenure as Executive Director at the company. Over the years, he has played a key role in driving operational excellence and strengthening Porite India's presence in the precision engineering and sintered components space. His journey within the organization reflects consistent growth, leadership, and alignment with the company's focus on quality, innovation, and disciplined manufacturing practices. Notably, Porite India was a greenfield project, where he contributed to building operations from scratch.

With significant industry experience, **Mr. Sandeep Fatangare** previously worked at **HITACHI CHEMICAL INDIA PRIVATE LIMITED, GKN plc**, and **Kalyani Forge Limited**. At Hitachi Chemical India Pvt. Ltd (Powder Metals Division), he served as D.G.M. (Production & Product Engineering), contributing to operations and engineering while being part of a greenfield project established from the ground up. As he steps into this leadership role, his expertise and strategic vision are expected to further accelerate Porite India's growth while reinforcing its commitment to operational efficiency and technological advancement.

## PMAI Pavilion at Bharat Mobility 2027 at New Delhi

Considering the engagements with Indian Automotive OEM's, Tier 1 and Tier 2 suppliers, PMAI has decided to participate in the Bharat Mobility Expo 2027 to be held in Yashobhumi New Delhi during 4<sup>th</sup> to 7<sup>th</sup> February 2027 showcasing our PM Component Makers in a dedicated area, which will help the Auto Component Ecosystem Buyers engage with Part Makers in a focussed and time efficient manner. The Auto Component Expo during Bharat Mobility is the most important primary venue where entire Procurement Chain for Powder Metal Parts visit.

PMAI has engaged with ACMA, and have secured from them the agreement to host a pavilion where PM Part Makers and Value Chain Partners can exhibit and display their solutions.

Leading PM Part Makers may utilize this opportunity to be part of such an initiative. We will be preparing targeted personal messaging for buyers from all Critical Auto OEM's, Tier 1 and Tier 2 suppliers. Our brochure will include focused inputs on Press and Sinter PM - gallery of PM Parts, emerging opportunities for the future for the Indian Market - and some successful conversion examples. We will include profile of all exhibitors who agree to be part of the pavilion.

We genuinely believe that this is a Game Changer Opportunity for PM Part Makers, allowing for a targeted and focused approach to the Customer.



The WorldPM2026 / AMPM2026 / Tungsten2026 conferences are the primary source for metal powder technology transfer and is jointly organized by MPIF and APMI.



It is one of the largest exhibit showcasing leading suppliers of metal powders, particulate materials, and metal additive manufacturing (AM)/3D printing process equipment, powders, and products and an exhibition demonstrating new concepts and equipment.

PMAI will be represented by our vice President Mr. Niranjan Narkhede of Speciality Sintered Pvt. Ltd.