



# ANNOUNCEMENT & CALL FOR PAPERS

## PM 22

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Title Sponsor



## INTERNATIONAL CONFERENCE ON POWDER METALLURGY

AND

### 47<sup>th</sup> ANNUAL TECHNICAL MEETING OF PMAI

Second Circular

18<sup>th</sup> to 20<sup>th</sup> April 2022

Virtual Mode

#### SESSIONS ON :

- INDUSTRIAL PM (PRESS & SINTER) TECHNOLOGY FOR AUTO, ELECTRICAL & MACHINE PARTS
- POWDER INJECTION MOULDING (MIM & CIM)
- ADDITIVE MANUFACTURING (3D PRINTING)
- HARD METALS & DIAMOND TOOLS
- DEVELOPMENT OF MATERIALS & ALLOYS FOR EMERGING APPLICATIONS
- TECHNICAL CERAMICS & COMPOSITES

Conference Language is English

#### Why attend PM 2022 ?

Powder Metallurgy (PM) is a technique in which particulate materials are blended, compacted and sintered to the desired end-use product. Few of the advantages the PM offers over other metal forming technologies such as forging and metal casting are advantages in material utilization, shape complexity, near-net-shape dimensional control, etc. Over the past few years, PM has been widely recognized as a preferred process for producing high-quality parts for diversified applications. The development of lifestyle & health devices, VVT, hybrid vehicles, electric vehicles, fuel cells, catalytic converters, composite electrical contacts, advanced sensors, light weight components and thermoelectric devices have been made possible by the use of several technologies that comprise the science & practice of PM. This conference addresses these and related developments by way of presentations made by experts in each field. The conference attendees will have access to more than 100 technical presentations from worldwide experts presenting the latest technology developments in this fast-growing field. Also, they will have a golden opportunity to get their research published in renowned international journals. The concurrent 47<sup>th</sup> Annual Technical Meet of PMAI provides a platform for industrialists, researchers and students from scientific establishments & academia to present their work.

#### Call for papers for oral presentation & posters :-

Extended abstracts (Max. 2 pages (A4), MS Word, Verdana 9 font, single spacing) of papers for oral and poster presentation should be submitted electronically at [www.pmai.in](http://www.pmai.in) abstract submission will start from 15th Dec.2021. All accepted abstracts from registered delegates will be published in the conference guide.

#### Deadlines :-

- Submission of abstracts for oral & poster presentations.....31 Jan, 2022
- Acceptance of abstracts..... 15 Feb, 2022
- Registration of speakers and delegates..... 15 Mar, 2022
- Submission of the complete paper\*.....31 Mar, 2022

#### PMAI Best Paper Awards :-

- 1) **Prof.G.S.Tendolkar Award** - Cash prize & certificate for the best paper on the fundamentals of powder metallurgy
  - 2) **PMAI award for A Young Promising Professional** - Cash prize & certificate for the best paper of industrial relevance.
- And many more such awards...

#### Technical Topics:-

The program of plenary, keynote, oral and poster presentations will focus on all aspects of Powder Metallurgy :

- Industrial PM (press & sinter) technology for auto, electrical and machine parts
- Powder Injection Moulding (MIM & CIM)
- Additive Manufacturing (AM)
- Hard Metals & Diamond Tools
- Development of materials & alloys for emerging applications
- Technical Ceramics & Composites
- Vehicle weight reduction
- Porous materials
- PM in Electric Vehicles (EVs)
- PM in bio-medical apps & devices
- Powder production & characterization
- Compaction & other forming processes
- Binder & feedstock development
- Hot Isostatic Pressing (HIP)
- Laser sintering, cladding and coating
- Testing & data mining
- Sintering & post sintering processes
- Spark plasma & hot press sintering
- Dimensional control
- Heat treatment & surface engineering
- Aluminum sintering
- Refractory metals
- Magnetic materials
- Materials for aerospace, defense & nuclear applications.
- Materials for energy generation & storage
- Functionally gradient materials
- Ceramics & composites
- Modeling & simulation



TRANSACTIONS OF POWDER METALLURGY ASSOCIATION OF INDIA



materials today: PROCEEDINGS



Taylor & Francis Group  
an informa business

powder metallurgy

\*Only complete papers that are received by the deadline and presented at the conference will be published in the **Transactions of Powder Metallurgy Association of India** (after peer-review); in addition selected peer reviewed manuscripts will be published in the **Powder Metallurgy Journal** (Taylor & Francis) and **Materials Today : proceedings** (Elsevier).

#### Sponsorship Opportunity :-

Sponsorship Type	Amount	Benefits
<b>Title Sponsor</b>	INR 2,50,000/- US \$ 3375 Euro 3000	<ul style="list-style-type: none"> <li>10 minutes video presentation,</li> <li>Ten free delegates registrations,</li> <li>A4 size front page advertisement in souvenir.</li> <li>Display of logo at prominent location in the flyer, Home page and all the communication platform of the conference</li> </ul>
<b>Platinum Sponsor</b>	INR 1,00,000/- US \$ 1350 Euro 1200	<ul style="list-style-type: none"> <li>10 minutes video presentation</li> <li>Seven free delegates registrations,</li> <li>A4 page advertisement in souvenir.</li> <li>Logo will be displayed on PMAI website and all the communication platform of the conference.</li> </ul>
<b>Gold Sponsor</b>	INR 50,000/- US \$ 675 Euro 600	<ul style="list-style-type: none"> <li>Five free delegates registrations,</li> <li>Half A4 page advertisement in souvenir.</li> <li>Logo will be displayed on PMAI Website.</li> </ul>

DELEGATE TYPE	INR	USD	Note
Non Member (#)	3,000/-	\$ 50	➤ (#) Inclusive of life Membership subscription
PMAI Member	2,000/-	\$ 30	➤ Certificates of participation will be issued on request only to those who attend the full conference.
Student	500/-	\$ 10	➤ Visit <a href="http://www.pmai.in">www.pmai.in</a> to complete your registration & payment.

(All Registration fees are Inclusive of 18% GST)

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#### Conference Secretariat

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:- CONFERENCE ORGANIZER :-  
**POWDER METALLURGY ASSOCIATION OF INDIA**

102, Anandi, 1<sup>st</sup> Floor, MB Raut Road,  
Near Balmohan Vidyamandir, Shivaji park  
Dadar, Mumbai - 400028. INDIA

All Conference Related Updates will be available on PMAI website  
[www.pmai.in](http://www.pmai.in)

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### Tentative schedule for Technical Program:

The conference timings (11.00 - 21.00 IST) allow for presentations from diverse geographies

<b>India Time (IST)</b>	<b>Tentative time slot for convenience of presenters</b>
11.00 – 16.00	Convenient time slot for presenters from <b>Asian countries, European countries, etc.</b>
16.00 – 21.00	Convenient time slot for presenters from <b>USA, Canada, etc.</b>