



PMAI
**Powder
Metallurgy
Association
of India**

1st

**ANNOUNCEMENT
& CALL FOR PAPERS**

PM-23

**INTERNATIONAL
CONFERENCE ON
POWDER METALLURGY &
PARTICULATE MATERIALS
+ EXHIBITION**

**&
48th ANNUAL TECHNICAL MEETING OF PMAI**

Mon 13th to Wed 15th, March 2023

**For Delegate Registration [Click here](#)
&
For Abstract Submission
[Click EasyChair](#)**

Venue:

Hotel The Lalit

**Sahar Airport Road, Andheri (East),
Mumbai-400059, India**

MEDIA PARTNER

INOVAR
COMMUNICATIONS
A publishing company dedicated to
metal Additive Manufacturing, Metal
Injection Moulding & Powder Metallurgy

OUR VALUED PARTNERS

ACADEMIC PARTNER


75th
Years of
Establishment
Metallurgy & Materials
Science Department

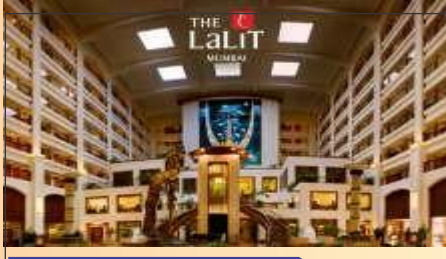
The **Powder Metallurgy Association of India** an association of Indian and overseas PM professionals from industry, research institutions and academia, is conducting its annual international conference for the year 2023 in Mumbai.

Mumbai has a population of over 20 million. The majority of large Indian industrial houses are based here, the Tatas, Birlas, Essar, Fiat, Mahindras, Godrej, Johnson & Johnson, Ambanis, Firodias, Jindals, Biyanis, Eicher, Ordnance Factories as well as scientific institutions like BARC, NPCL, IREL, TIFR and the Department of Atomic Energy.

Venue:



The Lalit Mumbai, Sahar Airport Road, Andheri (East) Mumbai, India



Technical Sessions

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 48th Annual Technical Meet of PMAI provides a platform for industrialists, researchers and students from scientific establishments & academia to present their work

Topics

Industrial PM (Press and Sinter) Technology for Auto, Electrical And M/C Parts	Additive Manufacturing (AM)
Powder Injection Molding (MIM CIM)	Testing & Data Mining
Compaction & Other Forming Processes	Heat Treatment & Surface Engineering
Compaction Equipment	Materials For Energy Generation & Storage
Sintering & Post Sintering Processes	Laser Sintering, Cladding and Coating
Hard Metals & Diamond Tools	Dimensional Control
Development Of Materials & Alloys for Emerging Applications	Spark Plasma & Hot Press Sintering
Refractory Metals	PM Factory Automation
Technical Ceramics & Composites	Magnetic Materials
Modeling & Simulation	Materials For Aerospace, Defence & Nuclear Apps.
Powder Production and Characterization	Binder And Feedstock Development
PM In Bio-Medical Apps & Devices	Hot Isostatic Pressing (HIP)
Functionally Gradient Materials	Waste Management
Vehicle Weight Reduction	Porous Materials

Call for papers

Extended abstracts (Max.500 words) are to be submitted electronically on [EasyChair](#) (On Online Only) before the deadline. All accepted abstracts from authors who are registered delegates will be published in the conference guide and distributed to all attendees.

Deadlines

- Submission of abstracts for Oral/Poster Presentation 05th Jan, 2023
- Acceptance of abstracts 31st Jan, 2023
- Submission of the complete paper* 28th Feb, 2023

*Only complete papers that are received by the deadline and presented at the conference will be peer reviewed and then considered for the publications.

Awards For Students & Young Professionals

Several amazing awards are being offered during PM23
Details at www.pmai.in

These awards are given for the best PM products (raw materials, equipment, processes & PM parts) developed in India which are in commercial production.

PMAI Best Product Awards

Deadline for submission of detailed product descriptions and photographs or figures is 28 Feb, 2023. PM parts must be on display to qualify for 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.



TRANSACTIONS OF POWDER METALLURGY
ASSOCIATION OF INDIA



Taylor & Francis

powder
metallurgy

Exhibition

A limited number of pre-fabricated (3m x 2m) stalls are available to PM parts manufacturers and suppliers of materials, services and equipment to the PM industry. Each stall is equipped with 3 spot lights, 1 power outlet 220 V AC single phase 6 Amps, 1 table, 2 chairs & 1 dust bin. Each stall is priced at Rs.1,00,000/- (USD 1250*), tax included.

Exhibitors will be listed in the conference guide and are entitled to Two free delegate registration plus food coupons for one extra person per stall. For more information, please email director@pmai.in

Sponsorship

Type	Amount	Benefits
Title Sponsor	INR ₹4,00,000/- US \$ 5000 EUR € 4950	Display of logo on top of every platform One free stall in exhibition Five free delegates registration A4 page advertisement in softcopy of souvenir
Cultural Event & Dinner Sponsor	INR ₹3,00,000/- US \$ 3757 EUR € 3712	Banner display during the dinner One free stall in exhibition Five free delegates registration A4 page advertisement in softcopy of souvenir
Sponsor	INR ₹1,50,000/- US \$ 1850 EUR € 1855	Display of Logo on Banner One Stall in exhibition at 50% Discount Three Free delegates registration A4 page advertisement in softcopy of souvenir

A Souvenir will be published during the conference giving detailed programs, technical sessions & other details.

A full-page advertisement in Souvenir – INR 30,000/-

Interested parties may please contact us at director@pmai.in

PMAI offers other sponsorship opportunities like; Delegate kit bag, Notepad, Pen, Gala dinner and is willing to discuss other innovative ideas. Write to us at director@pmai.in

*Rupee payments are acceptable only from firms / companies incorporated in India.

**All Sponsorship saying amounts are inclusive of 18% GST

Accommodation & Transportation:

Hotel "The Lalit Mumbai", Sahar Airport Road, Andheri (East), ([reservation link will be on www.pmai.in](http://www.pmai.in)) is the conference venue. It is close to International Airport. Delegates should make their own reservations.

Indicative prices per night, taxes extra	
Room Type	Single/Double Occupancy (INR)
Deluxe Room	8,000/- + Taxes
Prices include Buffet Breakfast, Wi-Fi, Fitness Centre & Swimming Pool, DVD library.	

Promo Code

"pmaipm23"

AIRPORT:

Mumbai has two Airports (both about 10minute drive from the venue) – the Chhatrapati Shivaji International Airport and the Santa Cruz Domestic Airport which have connections to all international airports around the world as well as to all Indian cities.

Pre-paid taxis are available at these airports (the fare to the venue is approximately Rs. 200/= (-USD 3/-) one way).

Weather:

March month in Mumbai is pleasant with temperature ranging from 17°C to 30°C. It does not generally rain at this time.

DELEGATE REGISTRATION FORM
Registration & Payment options:

- Register online & pay with debit/credit card at www.pmai.in or www.pmai.in/PM-23
- Send the form shown below with your cheque / DD or proof of wiretransfer to the PMAI Office (address bottom left)

Title (Mr. Ms. Dr. Prof. etc.) *				
Given name *		Family name *		
Company/ Institution *				
Designation				
Work address				
City/ Town *		Pin code *		Country *
Telephone (add country code)		Mobile (Only for SMS's related to this event)		
Email (work) *		Email (home)		

* Mandatory

DELEGATE TYPE	AMOUNT PAYABLE PER DELEGATE (**)			
	BEFORE 05 th JAN, 2023		AFTER 05 th JAN, 2023	
	Rs (#)	USD	Rs (#)	USD
NON-MEMBER	10,000	125	11,500	145
LIFE MEMBER	8,000	100	9,000	115
ACADEMIA	6,000	75	7,000	90
STUDENT	3,000	40	4,000	50

(**) Rupee (Rs.) INR payment only for individual's resident in India, others have to pay in USD(#) 18% GST is included. Invoices will show tax separately.

The delegate fee includes: Entry to Technical Sessions, Lunch & Tea, Conference kit bag, Conference guide, Exhibition access (also open to the public) and invitation to the Conference Gala Dinners & other sponsored events.

Extra lunch coupons for guests of delegates and exhibitors are available @ Rs.2500/- each at the registration desk.

Speakers are required to register as delegates. Certificates of participation will be issued on request only for those who attend the conference.

Payment Options: Payment is to be made out to "Powder Metallurgy Association of India"

By Cheque or Demand Drafts	Inland wire transfer (NEFT/RTGS) Deposit	Overseas wire transfers in USD
Send it along with a covering note to: Treasurer Powder Metallurgy Association of India Unit 401, K Square, P.K. Shroff Road Near Union Bank, Baner Pune -411045. INDIA.	Bank: Canara Bank Branch: IIT Powai branch Account No.: 2724101092229 IFSC Code: CNRB0002724	Remit to Canara Bank Account No: 2724101092229 favoring Powder Metallurgy Association of India, Canara Bank, IIT Powai, Mumbai, India. SWIFT CODE: CNRBINBBBFD

Conference Organization
-: PMAI Office Bearers: -

Aniket Gore (President)
N.B. Dhokey (Vice President)
Sandeep Fatangare (Vice President)
Niranjan Narkhede (Vice President)
Rajendra Sethiya (Vice President)
Prakash Khole (Secretary)
Malobika Karanjai (Joint Secretary)
Deepak Kumar Pattanayak (Joint Secretary)
Mahesh Nipanikar (Treasurer)

-: Conference Organizing Committee:-

N. B. Dhokey, Convener, COEP Tech University, Pune
Bharat B. Panigrahi, Co-Convener, IIT Hyderabad
Malobika Karanjai, Co-Convener, ARCI, Hyderabad
Deepak Pattanayak, CSIR, CECRI, Karaikudi
S. P. Butee, COEP Tech University, Pune
V.C. Srivastava, CSIR NML, Jamshedpur
Deep Prakash, DAE Delhi

Conference Secretariat

convener@pmai.in

Swapnil Sable +91 9096943327
K.S. Samant +91 9820951180

-: Registered Office: -

**POWDER METALLURGY
ASSOCIATION OF INDIA**

Unit 401, K Square,
P.K. Shroff Road Near Union Bank,
Baner Pune - 411045. INDIA

ADVISORY COMMITTEE

Agarwal P. M.	SLM Metal, Rourkela India	Mrityunjay Singh	NASA Cleveland, USA
Ali Haerian	Sadqad University of Technology, Iran	Muhamad Norhamidi	University Kebangsaan Malaysia
Anoop Kumar	VSSC, Trivandrum, India	Murlidharan Sunilkumar	Höganäs Pune India
Anshuman Roy	Bajaj Auto India	Nandi T.	DMRL, Hyderabad, India
B.S.Murty	IITH, India	Narasimhan, K. S.	P2P Technologies, USA
Beena Rai	TRDDC-TCS	Nobuhiro Hashioto	JPMA, Japan
Bhargava Parag	IITB, India	N. Chandrachud	Consultant, Pune, India
Boyun Huang	China Powder Metallurgy Society, China	Paul Beiss	FAPMI, RWTH Aachen, Germany
Carlström Ralf	Höganäs AB, Sweden	Pedro Cotait	Rio Tinto Canada
Cesar Molins	AMES. S. A, Spain	Philippe Gundermann	Eramet, France
Chaudhary Vinay	Innomet, Hyderabad, India	Ponkshe Shripad	Tata Motors, Pune India
Dhabhade Vikram	IITR, India	Pradip	TRDDC-TCS India
Dhoka Prakash	IMP, Pune India	Pramote Eiangkhunchorn	Thailand Powder Metallurgy, Thailand
Dwarapudi Srinivas	Tata Steel, Jamshedpur India	Prof. P. Ramakrishnan	Emeritus Professor IITB, India
G. Madhusudan Reddy	DMRL Hyderabad, India	Rajendra Bordia	Clemson University, USA
Gopinath N	Fluidtherm Chennai, India	Rajesh Mirani	GKN Sinter Metals, Pune India
Harald Neubert	Independent Advisor, Austria	Rao Tata Narsingh	ARCI, Hyderabad India
Henning Zoz	ZOZ Germany	Ratheesh R.	CMET, Hyderabad, India
Herbert Danninger	Technical University of Vienna, Austria	Raval Jignesh	Sintercom India
Ilaria Rampin	Pometon Italy	Roland Hering	DORST Germany
Indranil Manna	BIT Mesra India	Sarkar Supriya	Sandvik Asia, Pune India
Ingle Shriharsha	SECO Tools, Pune India	Sarma Bijoy	Consultant, India
Inigo Iturriza	CEIT IK4, Spain	Satyam Sahay	John Deere, Pune India
James P. Adams	MPIF, USA	Sea-Fue Wang	TPMA, Taiwan
JHA S.K.	MIDHANI, Hyderabad, India	Shaoming Zhang	China Powder Metallurgy Alliance, China
Kamaraj M.	IITM, India	Singh R. K. P.	KCRTC, Pune India
Kazuyoshi Yoshimura	JSPPM Japan	Srivastava Dinesh	NFC, Hyderabad, India
Kun Jin Lee	KPMA , Korea	Steve Ellis	Makin Metal Powders UK
Litström Ola	Höganäs AB, Sweden	Sung-tag Oh	KPMA, Korea
Luís Guerra Rosa	ALETA, Portugal	Thomas Graule	EMPA Switzerland
M. Sutaone	COEP Tech University, Pune India	Upadhyay Anish	IITK India
Majumdar Bhaskar	DIAT, Pune, India	Varshney Deepak	Star Group, Noida India
Merchant Vikram	Rio Tinto India, Gurgaon India	Vijayshankar G.	Mahindra & Mahindra, Mumbai India
Mhatre Umesh	SMT, Mumbai India	Volker Uhlenwinkel	IWT, Bremen Germany
Mohanty A K	BARC, Mumbai India	Usta Yusuf	Gazi University, Turkey

Note: Delegates may browse previous publications of PM22

[Transactions of PMAI](#)

[Materials Today: Proceedings by Elsevier](#)

MEDIA PARTNER



OUR VALUED PARTNERS

ACADEMIC PARTNER

