

PMSC 22

Online Mode



Powder Metallurgy Association of India

www.pmai.in

21th–24th September, 2022

Short Course in Powder Metallurgy (PMSC 22)

PMSC has an extensive curriculum covering the complete portfolio of Powder Metallurgy (PM) technologies. Participants will acquire a fundamental understanding of the science & practice of PM as well as the breadth of the subject. *It will be offered through digital mode using suitable cloud platform.*

Participants will be required to undergo online test on the content taught in the course for knowledge acquired and will be issued a certificate by PMAI. Participation is restricted to 60, first come first served.

The course is useful for:

- Line Executives & Project Managers
- Maintenance & Process Engineers
- Application Development Engineers
- Materials Research Scientists / Engineers
- Consultants
- Teaching & Research Faculty
- Students

Takeaways

- Good understanding of all PM technologies & processing techniques
- Clarity on & selection criteria for technologies & materials for different applications
- Understanding of material degradation mechanisms under different working environments
- Illustration of and guidelines for successful product development
- Product characterization and performance evaluation methods
- Introduction to manufacturing standards

Topics

- Powder Production
- Characterization of Powders
- Consolidation of Powders
- Design and Fabrication of Dies and Tooling
- Sintering
- Characterization and Evaluation of Sintered Components
- Powder Injection Molding (MIM + CIM)
- Sintering Furnaces and Atmospheres
- Heat Treatment & other downstream processes & equipment
- Quality in PM Manufacturing
- Porous PM Materials
- Advanced Ceramics and Composites
- Aerospace and Defense Materials
- PM in Nuclear Engineering and Energy Generation
- PM in Bio Materials
- Friction Materials
- Additive Manufacturing (3D printing)

Faculty

A judicious mix of experts from industry and academia comprise the faculty for PMSC 22.

Note to Participants:

For good quality reception of online lecture through suitable cloud platform, you are requested to ensure that throughout the sessions there is adequate bandwidth of internet, workable and tested audio system (viz. ear phone, head phone, etc.) at your end. Please ensure that your seating place is

having simple background and is free from disturbance / noise. Otherwise, it may disturb you as well as the speaker during this online mode of interaction.

PMSC 22 Course Registration Details:

DELEGATE TYPE	AMOUNT PAYABLE PER HEAD #
	Rs.
PMAI LIFE MEMBER	5000.00
NON MEMBER **	6000.00
STUDENT	2000.00
# 18% GST Tax is included in the fee.	
** includes PMAI membership fee	
Invoices will show the tax separately for refund where applicable.	
The delegate fee includes: course material in the soft form & certificate.	

Payment Options: (Bank drafts / transfers to "Powder Metallurgy Association of India")

By Cheque or Demand Draft	Inland wire transfer (NEFT/R TGS)
Send it along with a covering note to: Director Powder Metallurgy Association of India Unit 401, K Square, P.K. Shroof Road, Near Union Bank, Baner, Pune - 411045, India Email: pmscpmai@gmail.com Website : www.pmai.in	Name: Powder Metallurgy Association of India Bank : Canara Bank Branch : IIT Powai branch Account No.: 2724101092229IFSC Code : CNRB0002724 (copy of bank transaction slip may be emailed to pmscpmai@gmail.com for confirming your registration)



Department of Metallurgy and Materials
Technology
Platinum Jubilee Celebrations 2022-2023

Convener: Dr. Vijay Thavale
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Please Click Below Link or Scan the QR code for Online Registration

<https://forms.gle/J9QEHEnnpMxcLMu6A>

scan me



Alternatively, if above links does not work, then you may send
details through email

Last date of Online Registration is 15th September, 2022