



Electron Beam Hybrid Manufacturing (EBHM)

université
PARIS-SACLAY



A Joint One-Day Workshop by
IIT Bombay & Université Paris-Saclay

Dates : March 5, 2025 (Wed)

Venue : Room 21, 2nd Floor, Victor Menezes Convention Centre (VMCC)
IIT Bombay, Powai, Mumbai-400076

Catering : 2nd Floor Foyer

8:30 AM	-	9:30 AM	<i>Breakfast</i>	2 nd Floor Foyer, VMCC
9:30 AM	-	11:00 AM	AM Improvements Using Plasma Diagnostics & Plasma Technologies	Tiberiu MINEA
11:00 AM	-	11:30 AM	<i>Tea Break</i>	2 nd Floor Foyer, VMCC
11:30 AM	-	12:30 PM	Vacuum: Chamber Development & Pump Selection	Venkat Ramani
12:30 PM	-	1:00 PM	Preambles & Introduction	RM Lab
1:00 PM	-	2:00 PM	<i>Lunch Break</i>	2 nd Floor Foyer, VMCC
2:00 PM	-	2:30 PM	HV & Isolated Power Supplies	A. Varadharajulu
2:30 PM	-	3:00 PM	EBHM Using Multi-Wire Cladding (EBHM-W)	RM Lab
3:00 PM	-	3:30 PM	EBHM Using Powder-Bed Fusion (EBHM-P)	RM Lab & A. Varadharajulu
3:30 PM	-	4:00 PM	<i>Tea Break</i>	2 nd Floor Foyer, VMCC
4:00 PM	-	4:30 PM	EBHM Using Powder-Bed Fusion (EBHM-P) ...	RM Lab & A. Varadharajulu
4:30 PM	-	5:00 PM	Optimal Laminated Manufacturing Using Electron Beam (OptiLAM-EB)	RM Lab
5:00 PM	-	5:30 PM	Plasma Focused Electron Beam	Venkat Ramani
<p><i>PVT:</i> Plasma & Vacuum Technologies, Ahmedabad</p> <p><i>AHV:</i> Plasma & Vacuum Technologies, Ahmedabad</p> <p><i>IPR:</i> Institute for Plasma Research, Ahmedabad</p> <p><i>Tiberiu MINEA:</i> Professor, Université Paris-Saclay</p> <p><i>Venkat Ramani:</i> PhD in Plasma Physics Ex-Scientist, DAE-IPR; Proprietor, PVT; MD, AHV</p>			<p><i>A. Varadharajulu:</i> Ex-Scientist, DAE-IPR; Consultant, PVT & RMLab</p> <p><i>RMLab:</i> Rapid Manufacturing Laboratory, IIT Bombay. The presenting team:</p> <ol style="list-style-type: none"> 1. K.P. Karunakaran, Coordinator 2. Gopal Gote, Post-Doctoral Fellow 3. Avinash K. Mehta, Res. Scholar 4. Shahu Karade, M.Tech. Student 5. Parth Lalpurwala, DD Student 	

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