



<u>PM 23: TECHNICAL PROGRAM</u> HOTEL THE LALIT MUMBAI, INDIA

All updates on the PM 23 program are available on www.pmai.in

		DAY 1: MONDAY, 13 March 2023	
08:30 - 09:30		Registration	
09:30 - 09:35		Welcome Address by Convener- PM 23, Dr. N. B. Dhokey	
09:35 – 09:40		Lamp Lighting	
09:40 - 09:55	Inauguration	Address by President- PMAI, Mr. Aniket Gore	
09:55– 10:15	Ceremony	Inaugural speech by the Chief Guest Ms. Jess Blackburn, (Sr. Manager global sales Rio Tinto Metal Powders)	
10:15 – 10:25		Felicitation of Sponsors	
10:25 - 10:30	-	Vote of Thanks by Secretary - PMAI, Mr. Prakash Khole	
10:30 - 11:30		INAUGRATION OF EXHIBITION FOLLOWED BY TEA	
Session 1: Sess	ion Chairs: Prof.	Parag Bhargava, Dr. Malobika Karanjai	
	Plenary Lecture	e 1 (Dr. Iñigo Iturriza, CEIT Spain)	
11:30 - 12:15	"Powder Meta	llurgy based Diamond cutting Tools"	
12:15 - 13:00	Plenary Lecture 2 (Prof. Satishchandra Ogale, IISER Pune India) "Overview of Battery Chemistries and Materials: The Emergent Scenario and Future		
13:00 - 14:00		LUNCH BREAK	
Session 2: Ses		sharat Panigrahi, Dr. N B Dhokey	
	Plenary Lecture 3 (Dr. R. Vijay, ARCI, Hyderabad, India)		
14:00 - 14:45		Powder Materials and Technologies"	
		ankar Memorial Lecture (Dr. G. Appa Rao, DMRL, Hyderabad, India)	
14:45 – 15:30	"Indigenous Isc	ostatic Processing Technologies for Self-Reliance in Defence Systems"	
15:30 – 15:45	TEA BREAK		
Session 3: Ses	T	udhir Mishra, Dr. P. Nanekar	
	-	emorial Lecture (Dr. T. Mahata, BARC Mumbai India)	
15:45 – 16:30	"P/M processing	g of materials for energy applications: From powder to power"	
16:30 – 17:15		naryulu Memorial Lecture (Dr. Deep Prakash, DAE, New Delhi, India) Ilurgy in Technologies for Societal Application''	
17:15 – 18:00		Poster Presentation (25 Posters) (Paper Id: 245,776,1222,1296,2177,4476,4785,5151,5379,6889,7347, 8085,8191,8341,8488,8631,8686 ,9047,9235,9326,9339,9591,4440,1222)	
18:00		EXHIBITION & TECHNICAL SESSION CLOSES	
18:30 - 19:45		Cultural Program & Dinner sponsored by Singhal Sintered Pvt. Ltd. ugalbandi by Mr. Aditya Kalyanpur on Tabala & Dr. Sweekar Katti on Sitar Venue: The Lalit Mumbai Networking & Dinner	





	DAY 2: T	UESDAY, 14 March 2023	
TIMINGS (Session Chair* Session Co-Chair**:	PRESS & SINTER DR. Malobika Karanjai* Dr. Joydeep Joardar**	BATTERY MATERIALS Dr. Amartya Mukhopadhyay*	MATERILAS FOR EMERGING APPLICATIONS Dr. Bharat Panigrahi*
→) Physical/Online	ROOM NO 1	ROOM NO 2	Dr. Vikram Dabhade* ROOM NO 3
	Invited Talk 1	Invited Talk 1	Invited Talk 1
NVITED TALK 1: 09:30 – 09:55	Dr. Mithun Palit DMRL, Hyderabad "Hot Isostatic Processing and Characterization of Indigenous Powder	Dr. R. Prakash ARCI, Hyderabad "Aqueous-process based Micron-sized lithium iron phosphate as cathode for	Prof. Atul Deshpande IIT Hyderabad
	Metallurgy Nickel base Superalloy for Aero Engine Applications"	lithium-ion batteries"	High Entropy Oxides: Synthesis, Phase Stability, Thermal Stability and Functional Behavior
	Invited Talk 2	Invited Talk 2	Invited Talk 2
INVITED TALK 2:	Dr. K. Guruvidyathri University of Hyderabad	Prof. Bharatkumar Suthar IIT Bombay	Dr. Joydip Joardar ARCI, Hyderabad
09:55 – 10:20	"Calphad for powder sintering and pressing: Case studies and challenges"	"Electrochemical impedance of porous electrodes for battery applications"	"Development of 2-Dimensional Tungsten disulfide Reinforced Al-Cu Alloy based Self-Iubricating Composites"
	Bhupendra Patel (1054) IIT Roorkee	Bachu Sravan Kumar (2814) IIT Bombay	Mandy Nie (ONLINE) (7277) Rio-Tinto
10:20 – 10:35	Microstructural and mechanical properties of Ni-based high entropy super alloys prepared by mechanical alloying and spark plasma sintering	Designing high Na-containing P2- structured 'layered' Na- transition metal oxides as high-performance cathode materials for Na-ion batteries	Impact of steam treatmen parameters on properties of sol magnetic composites (SMC)
10:35- 10:50	Arpan Arora (817) IIT Roorkee	Kiran Kumar Garlapati (786) IIT Hyderabad	<mark>Srinivas Kumar Glgsb (756) DMRL, Hyderabad</mark>
	Organized study of Zr, Al and Y2O3 addition in Fe-Ni invar alloy prepared through mechanical alloying and spark plasma sintering	VOx nano particles anchored Ti3C2TxMXenes composites for high- performance supercapacitors	Influence of Strain Rate an Associated Microstructural Evolutio During Hot Deformation of a Powde Metallurgy Ni-Based Superalloy
10:50 - 11:05	Priyanka Gaikwad (962) Höganäs India Pvt Ltd	Pranay Gandharapu (6169) IIT Bombay	Saravanan (9195) DMRL, Hyderabad Development of MnAl Base
10.50 - 11.05	Mix Solution for High Green-Strength and Green Machining	Synthesis and Investigation of Sn-based Binary Alloy particles as anode materials for Na-ion Batteries	Nanostructured Magnets as Prospective Alternative to Rare Earth Permanent Magnets

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11:05 - 11:20		TEA BREAK		
	INVITED TALK 3	INVITED TALK 3	INVITED TALK 3	
INVITED TALK 3: 11:20 - 11:45	Devinder Yadav IIT Patna	Dr. Sarika Phadake KPIT, PUNE	Dr. Venkat A.N.Ch. CSIR-AMPRI Bhopal	
	"Flash sintering: From sintering to material development"	"Role of Processing of materials and coatings in Batteries"	"In-situ aluminum, closed cell foam- filled stainless-steel tubes with foam- tube bonding for enhanced mechanical properties"	
	INVITED TALK 4	INVITED TALK 4	INVITED TALK 4	
INVITED TALK 4: 11:45 - 12:10	Dr. Bharat Panigrahi IIT Hyderabad	Dr. Sushmita Bera RISE, WB	Prof. Sheela Singh SRM University, AP	
11.45 12.10	"Revisiting the driving forces and sintering mechanisms in view of sintering of the multicomponent alloy powders"	"Developing Safe, Cost Effective and High Energy Density Solid State Battery"	"Ni-Mo-Al- Cr2AlC MAX Phase Composite for Automotive Application"	
	INVITED TALK 5	INVITED TALK 5	INVITED TALK 5	
INVITED TALK 5: 12:10-12:35	Dr. Dina V. Dudina Laboratory of Synthesis of Composite Materials, Novosibirsk, Russia (ONLINE)	Dr. D. Sivaprahasam ARCI Chennai	Prof. Manoj Chopkar NIT Raipur	
	"Sintering aspects in the development of metallic glass-reinforced metal matrix composites"	"Powder Metallurgy Processed Thermoelectric Devices"	"Novel MoNbSiTaTi Refractory High Entropy Alloy Prepared by Mechanical Alloying"	
	Mr. Narsi Chandrachud (000) Consultant	Manjunath L Nilugal (4951) IIT Bombay	Navin Kumar (1682) CSIR IMMIT, Bhubaneswar	
12:35 - 12:50	Development of Advanced Lubricants for best-in-class PM Applications	Model-based analysis of capacity fade for sodium-ion batteries using reaction limited model	Thermal stability and oxidation behavior of spark plasma sintered AlCoCrSiNi high entropy alloy	
12:50 - 13:30	Poster Presentation (Paper Id: 930,1101,8602,4272,5849,7675,7987,2532,1746,1939,7176 6960,1665,2050,9744,5221,6277,6403,6530,6796,8925,9813 & remaining)			
13:30 - 14:30	LUNCH BREAK			
TIMINGS	POWDER PRODUCTION	ADDITIVE MANUFACTURING	TECHNICAL CERAMICS AND COMPOSITES	
(Session Chair* Session Co-Chair**: →)	Dr. V.C. Srivastava* Mr. Mahesh Nipanikar**	Dr. Deepak Patanayak* Dr. Saurabh Nene**	Dr. S.P. Butee* Dr. Amit Sinha**	
Physical/Online	ROOM NO 1	ROOM NO 2	ROOM NO 3	



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INVITED TALK 6:	Keynote	Invited Talk 6	Invited Talk 6
14:30 - 14:55	Prof. DrIng. habil. Udo Fritsching, IWT Germany (Online)	Dr. Gururaj Telsang ARCI, Hyderabad	Dr. Malobika ARCI Hyderabad
	"Composite Metal Powder Production in Spray Processes with Pressure-Gas- Atomization"	"Powder Bed Fusion Additive Manufacturing: Materials and Applications"	"New Generation PM based Soft Magnetic Composites for Application in Axial Flux and PMACMs"
INVITED TALK 7: 14:55 – 15:20	Kameswara Srikar Sista (764) TATA STEEL (15:00-15:15) Study on effect of mechanical forces on physico-chemical properties of reduced iron powders	Invited Talk 7 Dr. Ravi K R IIT Jodhpur (Online) "Industry 4.0 for Metal Additive Manufacturing"	Invited Talk 7 Mr. Dev Bhise Q Gen-Next Sustainable Technologies "Advance Ceramic Products for combating climate change"
15:20 – 15:35	Bilal Murtuza Pirjade (2824) TATA STEEL Controlled microwave reduction of mill scale oxides for iron powder synthesis	Subhendu Naskar (150) IIT Hyderabad Microstructural heterogeneity in additive manufactured Inconel 718 superalloy at different build size during powder based Direct Energy Deposition	Jitendra Kumar Sonber (1501) BARC, Mumbai Synthesis, densification and characterization of Neodymium Hexaboride
15:35-15:50	Shweta Verma (4880) GTRE-DRDO Mechanical Milling of Ni-Cr-B-W Braze Filler Powder for Joining of Aero Engine Materials	Seema Negi (1221) IIT Bombay In-house development of Alumina slurry for Digital Light Processing based Additive Manufacturing process	Jyothi Sharma (4348) BARC, Mumbai Thermal conductivity of Alumina- Zirconium diboride composite
15:50 - 16:05	Kalathur Narasimhan (7175) P2P Technologies PROPERTIES AND APPLICATIONS FOR IRON POWDER MADE BY GAS ATOMIZATION	Bonagiri Sai Charan (2451) CSIR,Karaikudi Single scan track analysis of selective laser melted AlSi10Mg alloy	Pravin Varade (5232) IIT Bombay Synthesis and Characterization of Environment friendly Na0.4K0.1Bi0.5TiO3 Ceramics for Multifunctional Applications
16:05 - 16:20	TEA BREAK		
INVITED TALK 8: 16:20 - 16:50	INVITED TALK 8 Ola Litström Höganäs AB, Sweden	INVITED TALK 8 Dr. Prashanth Konda TUT Estonia	Durga Raju (5588) IIT Hyderabad (16:20-16:35) Effect of Sintering additives on the Densification of Yttria Stabilized Zirconia Powders



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	"Global trends and the future of PM"	"Premature failure in additively manufactured materials"	Yogesh S. (6205) JNEC, Abad (16:35-16:50)
			Comparison of Residual stress generation in Al/Sic Metal Matrix Composite and dies steel after Wire Cut Electro Discharge Machining
	INVITED TALK 9	INVITED TALK 9	Ashwini (1011) COEP Tech, Pune
INVITED TALK: 9 16:50- 17:15	Dr. Abhijit Ghosh BARC, Mumbai "Ceramic powder synthesis: Wet chemical and solid state reaction route"	Dr. Arulkumar K. Levigate Alloys Pvt Ltd.	(16:50-17:05) Fabrication and Characterization of Electrodeposited Copper-Woven Carbon Fiber Mesh Filters for Contaminated River Water Treatment
	Dharmendra Prajapati (5636) UCIL Jaduguda	Battula Lakshmi Prasanna (6249) DMRL, Hyderabad	Seema Negi (5539) IIT Bombay (17:05-17:20)
17:15-17:30	Factors Influencing Chemical Kinetics of Uranium Peroxide Precipitation from Product Recovery Solution of Jaduguda Mill	Studies on Microstructure and Mechanical Properties of Inconel718 Processed through 3D Metal Printing + Hot Isostatic Pressing	Fabrication of Alumina Porous Structure by Vat Photopolymerization-based 3D Printing Process
	Divya Padmanabhan (2243) Pillai COE	Prashant Jikar (6174) COEP TECH Pune.	INVITED TALK 8 Prof. Bala Vaidhyanathan Loughborough University, UK
17:30-17:45	Nano zirconia synthesis through a novel method-Salt Incorporated Precursor Spraying	Design and Development of Process for Spheroidization of Powders for Additive Manufacturing	(online) Timing 17:20-17:45 "3D printing of Advanced Ceramics"
	Rahul Lokmanwar (7493) Höganäs India Pvt Ltd	<mark>Saroj Kumar Sahu (676) VSSUT, BURLA, ODISHA</mark>	Sateshwar Malladi (8858) DMRL, DRDO (17:45-18:00)
17:45-18:00	Sustainable stability solution for Press and Sinter materials	A short review on the processing of Ni- based super-alloys by metal additive manufacturing	Structure Property Relationships in Cold Isostatically Pressed and Sintered Si3N4 for High Temperature Microwave Application
		Technical Session Closes	
19:00 ONWORDS	Annual General Meeting of PMAI Banquet Dinner for invitees and delegates Venue: The Lalit Mumbai Networking & Dinner		



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DAY 3: WEDNESDAY, 15 March 2023			
TIMINGS (Session Chair* Session Co-Chair**: →) Physical/Online	MODELLING & SIMULATION Dr. Supriya Sarkar*	MATERIALS FOR EMERGING APPLICATIONS Dr. Bharat Panigrahi* Dr. Vikram Dabhade**	SURFACE ENGINEERING Dr. D.A. Karandikar* Mr. Srinivas Ghule**
	ROOM NO 1	ROOM NO 2	ROOM NO 3
INVITED TALK 1: 09:00 – 09:25	Invited Talk 1 Prof. Shamit Bakshi IIT Madras "Numerical simulation for gas atomization of liquid metal"	Invited Talk 1 Dr. N. Sathish CSIR-AMPRI Bhopal "Additive manufacturing of graphene- based metal matrix composites".	Invited Talk 1 Mr. Amish Jani RIL, Mumbai "SURFACE ENGG OF MATERIALS FOR CORROSION -PREVENTION"
	Invited Talk 2	Invited Talk 2	Invited Talk 2
INVITED TALK 2: 09:25 – 09:50	Dr. Gerald Tennyson and Pramod Zagade, TRDDC, Pune	Dr. Ajit Panigrahi CSIR-IMMTD, Odisha	Dr. Vijay M. Nimbalkar NMRL-DRDO, Mumbai
07.23 - 07.30	"Numerical simulations in additive manufacturing"	"Evolution of microstructure and mechanical properties in binder modified tungsten heavy alloys"	"SURFACE ENGG IN NAVAL MATERIALS"
	Pavan Kalyan Appala (9453) IIT Madras	Amit Dhar (2476) NIT Durgapur	Gaurav Kumar (3085) DMRL, Hyderabad
09:50 – 10:05	DEM simulations of sintering for metal fused filament fabrication	Processing of nitinol by powder metallurgy & its microstructure and properties correlation	The Influence of Cold Isostatic Pressing on the Indentation and Scratch Response of Abradable Coating
	Kunal K. Sharma (2319) IIT Bombay	Gaurav Kumar Gupta (2744) AMPRI	Nikita Mohite (5130) Höganäs India Pvt Ltd
10:05 - 10:20	ANALYSIS OF SPIN NUMBER VARIATIONS IN A SPIRAL AIR JET MILL USING SINGLE PHASE CFD SIMULATIONS	Porous Architecture Multifunctional Aluminum Hollow Metal Spheres (Al- HMS): Fabrication and Mechanical Properties for Lightweight Structural Applications	Use of Tribology to understand the actual performance of coating
	Yogesh Fatangade (683) COEP TECH Pune	Debashish Mohanta (4911) IIT Bhubaneswar	Abhishek Soni (6140) DIAT Pune
10:20 - 10:35	Effect of particle shape factor and bind on powder roll compacted iron-based metallic strip and its mathematical analysis	Development of Aluminium composites with W-based novel reinforcements through conventional PM route.	Investigation of Electroless NiB Coating for Small Arms
10:35 - 10:50			
INVITED TALK 3:	INVITED TALK 3	INVITED TALK 3	INVITED TALK 3
10:50 - 11:15	Mr. Mohan Nainegali	Dr. Supriya Bera	Mr. Harshad Natu



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	Altair, Pune	NIT Durgapur (WB)	Magod Fusion Technologies Pvt. Ltd.
	"Altair EDEM, Novel Technique to handle and process metal powders"	"Developing ex-situ and in-situ Al-based alloy composites by powder metallurgical route"	"Laser Fusion Technologies: An Efficient Surface Engineering Technique For Repair, Reconfiguration And Restoration"
	Nadimetla Thirupathi (6286) IIT Goa	INVITED TALK 4	Session: ADDITIVE MGF
	(11:15-11:30) Finite Element Simulation of	Dr. Ajoy Kumar Pandey NIT, Warangal	Dr. Deepak Pattanayak Dr. Saurabh Nene INVITED TALK 4
11:15- 11:45	Electromagnetic Axial Powder Compaction of SS 316 Powder	"Evolution of Zirconia Based Bio-ceramics"	Dr. Sajan Kapil IIT Guwahati
	Shakti Swaroop Choudhury (3839) IIT Madras (11:30-11:45) DEM Simulation of powder spreading for		"A Novel Non-Pneumatic Method of Powder Feedstock Handling for Directed Energy Deposition-based Additive Manufacturing"
	the development of Functionally Graded Materials in LPB <u>F</u>		
	Dr. Ravi Bollina (4654) (ORANGE KOI Private Limited) Mohamed Ismail Khan (MAGMA Engineering India Pvt Ltd)	Raghu C Reddy (4856) C-MET, Pune	M Srikanth (8062) CSIR-CECR Karaikudi
11:45 - 12:00	SIGMASOFT® Virtual Molding use in Optimizing MIM process for Firearms- Cost savings and benefits analysis	Preparation and characterization of Hafnium Oxide	Effect of heat treatment behavior on mechanical properties of Selective laser melted Ti6Al4V
	Swapnil Sable (7978) COEP TECH Pune	Sarika Kumari (6092) IIT BHU	Sujith Reddy Jaggannagari (5203) IIT Madras
12:00 - 12:15	Numerical Investigation of gas flow behavior on gas atomization process	Synthesis, characterization and indentation behavior of Fe-based bulk-alloys and mechanically alloyed powders	DEM investigation on the influence of cohesive non-spherical powder on the powder bed quality in Additive Manufacturing
	SESSION: PRESS & SINTER DR. Malobika Karanjai* Dr. Jovdeep Joardar**	Vaishali Poddar (6547) NIAMT, Ranchi	K Venkatesan (1106) CSIR-CECR Karaikudi
12:15 - 12:30	Vipul Utkar (8191) Höganäs India Pvt Ltd	The Broad Usage Spectrum of Thermoelectricity from Low Temperature Photovoltaic to High Temperature	Development of SLMed cancellous bone structure modifie with bioactive and antimicrobia
	Somaloy® – SMC Material Enabling More Efficient Electromagnetic Designs	Furnaces: An Overview	properties via electrochemica approach and its in-vitro corrosio behavior
	Priyanka Ninawe (6966) IIT Hyderabad	Maitreya Fulmali (8822) NIT Rourkela	Ann Mary Mathew (1067) CSIR-CECR Karaikudi
12:30-12:45	Microstructural and mechanical properties of pressure sintered Yttria dispersed AlCoCrFeNi high entropy alloy via nano indentation method	Fabrication of tungsten heavy alloys reinforced with iron aluminide and Cr2AlC (MAX Phase) by powder metallurgy	Surface Modification of Selective Laser Melted Ti Based Porous Scaffolds for Biomedical Applicatio



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12:45-13:00	Jagadish Parida (6245) NIT Rourkela Synthesis, Characterization and Properties study of TiNiFe Shape Memory Alloys	Anke Rajasekhar Babu and Puchalapalli JNTUA Anantpur (2115) Electrochemical Studies, Antimicrobial Activity and Catalytic Degradation Studies of Green Route Synthesized Silver Nanoparticles using Calotropis Gigantea Leaf Extract.	Rukshana Parween (3383) CSIR Jamshedpur0 Studies on the Extraction of Precious and Non-ferrous Metals from waste printed circuit boards (PCBs)
13:00- 14:00		LUNCH BREAK	
TIMING (Session Chair* Session Co-Chair**: →) Physical/Online	PRESS &SINTER DR. Malobika Karanjai* Dr. Joydeep Joardar** ROOM NO 1	MATERIALS FOR EMERGING APPLICATIONS Dr. Bharat Panigrahi* Dr. Vikram Dabhade** ROOM NO 2	WASTE MANAGEMENT Dr. Maniskumar Jha** ROOM 3
INVITED TALK 5:	INVITED TALK 5 Dr. Gerard Delette CEA-LITEN, France (Online)	INVITED TALK 5 Dr. Tilak Joshi CSIR-AMPRI Bhopal	INVITED TALK 5 Dr. Jhumki Hait NML, Jamshedpur (Online)
14:00 - 14:25	"Various aspects of pressing and sintering in the development of Nd-Fe-B permanent magnets by Powder Metallurgy route"	"A brief prospective towards the transformation of porous metallic materials into metal syntactic foams/composites"	"Potential hydrometallurgical processes to recover base and precious metals from secondaries"
	INVITED TALK 6	INVITED TALK 6	Anas N S (5235) JNARDDC, Nagpur (14:25-14:40)
INVITED TALK 6:	Dr. Ravi Kiran DMRL, Hyderabad "Sintering time and deformation effects on W-Ni-Co based heavy alloys	Dr. R. SUNIL KUMAR NIT, AP "A Review on Processing Routes of ODS	Effect of preheat temperature on compaction of machined AA2024 swarf (chips)
14:25 – 14:55	processed through liquid phase sintering"	Steels for High Temperature Applications".	Rohan Magar (3803) COEP Tech Pune. (14:40-14:55)
			High purity iron from Industrial mill scale waste: a step towards sustainable development
	Krishnamurthy Goggi, <mark>Vaibhav Raibole</mark> Jain COER (3234)	Sayoni Sarkar (2017) IIT Bombay	Shilpa Kalamani Bawkar (9918) CSIR Jamshedpur
14:55-15:10	Impact of sintering on metal organic framework: a review	A comparative evaluation of luminescent ZnO nano powders synthesized by batch, microwave-assisted and continuous flow processes — connec ting the voids	Recovery of copper powder from electronic industry effluent



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15:10 - 15:25	Suman Vadla (2747) NIT Rourkela A comparative study of tungsten-silicon alloys synthesized by powder metallurgy using spark plasma and conventional sintering	Suyog Gaikwad (1001) IIT Roorkee Mechanical Properties and Deformation Mechanism at Elevated Temperatures of IN718 Superalloy Processed by Powder Forging	Pankaj Kumar Choubey (7909) CSIR Jamshedpur Reclamation of cobalt from spent lithium ion batteries using electro- winning process
INVITED TALK 7: 15:25 - 15:55	Sudarshan Palve (6633) COEP Tech Pune (15:25 -15:40) Influence of processing parameters and alloying elements in Astaloy 85Mo (FL- 4405 modified) on their mechanical properties	INVITED TALK 8 Dr. M V Reddy (NMG), Quebec, Montreal, Canada (Online) (15:25 -15:55) "Advances on Materials for energy storage Technology"	SESSION: Hard Metals &Cutting tools. Dr. Vivek Singal Guiomar Riu Perdrix (9776) STEROS GPA INNOVATIVE, S.L (15:25 -15:40) Correlation ween mechanical properties and microstructure on different ground cemented carbides grades under service-like working conditions
	Bhawna Yadav (1246) IIT Hyderabad (15:40 -15:55) Grain size effects on the phase growth kinetics in CoNi/Sn sandwich diffusion couples		Arbind Kumar (9952) C-MET Pune (15:40 -15:55) Novel approach for the Synthesis of Tantalum Niobium Carbide for Structural Application
15:55- 16:20		INVITED TALK 8 Dr. Priyanshu Bajaj m4p material solutions GmbH (15:55 -16:20) "Clean and Reliable Metal Powders – A Statistical Approach"	Guiomar Riu Perdrix (4602) STEROS GPA INNOVATIVE, S.L (15:55 -16:10) Surface integrity evaluation or different post-processing techniques applied on WC-Co cemented carbide produced by Conventional route.
16:20-16:30		Tea Break	
16:30- 17:00		VALEDICTORY CEREMONY	

Note: Please use your abstract Id/ Name to search for your Poster/Oral Session. If you are unable to locate your Abstract Id, your presentation will be scheduled for the poster session on Day 2.

