



Workshop on Plasma Spray Coatings of Wondrous Materials & its Applications

February 03-04, 2020
Room No. 407 (NKN), Block 9

Organized by
Dr. Anup Kumar Keshri (Convener)
Department of Metallurgical and Materials Engineering, IIT Patna
In association with
Naval Materials Research laboratory, Ambarnath

Sponsors



**Triotech Advanced
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Website : <https://www.iitp.ac.in/~anup/>

Lecture Series by Eminent Professors/Scientist from Industries



Prof. Kamaraj M
FIWS, FIE, FASM, FIIM
IIT Madras



Dr. Gopi Chandran
Manager, GE Aviation



Dr. Shyam Choudhary
Tata Steel Limited



Dr. Anup Kumar Keshri
IIT Patna

Schedule

February 03, 2020 (Monday)

9:00-9:30 AM	Registration		
9:30-10:00 AM	Inauguration		
10:00-11:00 AM	Lecture-1	Dr. Gopi Chandaran GE Aviation, Bangalore	New approach to material design, processing & high temperature coatings technology
11:00-11:30 AM	Break	High Tea	
11:30-12:30 PM	Lecture-2	Dr. Shyam Choudhary Tata Steel Limited Jamshedpur	Wondrous Materials (Graphene) and its Applications
12:30-1:30 PM	Lecture-3	Dr. Anup Kumar Keshri IIT Patna	Introduction to Plasma Spray Coating
1:30-3:00 PM	Lunch Break		
3:00-4:00 PM	Lab Visit/ Plasma Spraying	Group-01 (Lab Visit) Group-02 (Plasma Spraying)	Coating Fabrication by Plasma Spraying
4:00-4:30 PM	Break	High Tea	
4:30-5:30 PM	Lab Visit/ Plasma Spraying	Group-01 (Plasma Spraying) Group-02 (Lab Visit)	Coating Fabrication by Plasma Spraying
7:00-9:30 PM	Networking Dinner	Angeethi Resturant	

February 04, 2020 (Tuesday)

9:30-10:30 AM	Lecture-1	Prof. Kamaraj M IIT Madras	Surface Engineering
10:30-11:30 AM	Lecture-2	Dr. Anup Kumar Keshri IIT Patna	Dissemination of Results on Plasma sprayed Anti-friction Coatings
11:30-12:00 Noon	Break	High Tea	
12:00-1:00 PM	Lecture-3	Dr. Anup Kumar Keshri IIT Patna	Dissemination of Results on Plasma sprayed Anti-friction Coatings
1:00-2:00 PM	Lunch Break		
2:00-3:00 PM	Coating Characterization	Dr. Anup Kumar Keshri IIT Patna	
3:00-3:30 PM	Valedictory		

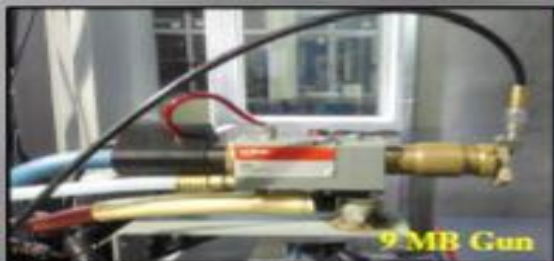


Acoustic Chamber



Acoustic Chamber – Inside View

Tilting Turn Table



9 MB Gun



9 MC controller



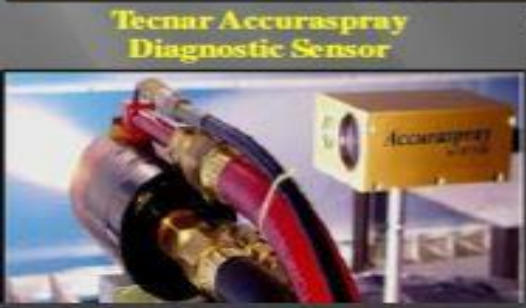
5 MPE Powder Feeder



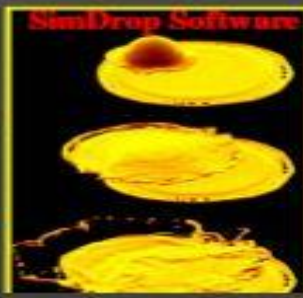
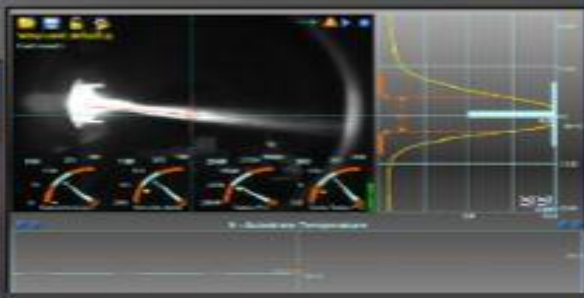
10 MR Power Supply Unit



9 MCD Distribution Unit



Tecnar Accuraspray Diagnostic Sensor



SimDrop Software



Spray Dryer



Planetary Ball Mill



Low Speed Diamond Saw



Grinder & Polisher



High Speed Diamond Saw



Instrumented Microhardness and Scratch Tester



Pin on disc Tribometer