



*Seminar  
on  
Advanced Materials and Technology for Defence Aeronautical Systems -  
Present and Future*

*Co-Hosted by*

*Aeronautics Research & Development Board (AR&DB), DRDO, New Delhi  
&  
Indian Institute of Technology Bhilai, Raipur*

*[27th March 2023, 0900 Hrs]*

## Schedule

09:00 - 09:20 Registration & Tea

### Inaugural Session

09:20 - 09:30 Welcome and Inaugural Address

: Prof. Rajiv Prakash, Director, IIT Bhilai

09:30 - 09:40 Brief about ARP

: Prof. A M Pradeep, Chairman, ARP, AR&DB

09:40 - 10:20 Keynote Lecture on

: Dr. Mayank Dwivedi, Director, DMSRDE

"Advanced materials for defence applications"

### Technical Sessions :

Sessions Chair : Dr. Mayank Dwivedi, Director, DMSRDE

10:20 - 10:50 "Advanced Polymers and Nano-composites: Processing and Applications"

: Prof. Rajiv Prakash, Director, IIT Bhilai

10:50 - 11:20 "Air-Intakes of Reusable Launch Vehicles and High Speed Aircrafts"

: Prof. Sanjay Mittal, IIT Kanpur

11:20 - 11:50 "Turbomachinery for aerospace: current trends and the future"

: Prof. A M Pradeep, Chairman, ARP, AR&DB

11:50 - 12:20 "Computational Electromagnetics with material modeling in low observable aircraft design - a perspective"

: Prof. Avijit Chatterjee, IIT Bombay

12:20 - 12:50 "Research Opportunities with AR&DB"

: Dr. S K Pandey, Sc. 'F', DRDO (HQ)

12:50 - 13:00 Questions from faculty and research scholars regarding project submission to AR&DB

13:00 - Vote of Thanks

: Dr Ashish Dubey, Sc. 'F', DMSRDE, Kanpur

13:10- 14:00 Lunch

14:00- 15:00 Panel Meeting

15:10 Visit to IIT Bhilai Labs and Departments

### Organizing Committee:

#### IIT Bhilai:

1. Dr. Soumya Gangopadhyay, Associate Professor & Head, ME
2. Dr. Rahul Jain, Assistant Professor, ME

#### AR&DB ARP:

1. Prof. A M Pradeep, Chairman, ARP, AR&DB
2. Dr. Mayank Dwivedi, Director, DMSRDE
3. Dr. S K Pandey Sc. 'F' DRDO (HQ)
4. Dr Ashish Dubey, Sc. 'F', DMSRDE, Kanpur

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