



Webinar on



Advanced Materials and Technology for Defense: Present Status and Future Needs

5-6 Dec 2020



Dr. A K. Srivastava
Director CSIR-AMPRI
Welcome Address



Prof. S. Lele
Former Distinguish Professor &
Director, IT-BHU, Chairman
Research Council, CSIR-AMPRI
Chief guest



Dr. I. Chottoraj
Director CSIR-NML
Welcome Address

ORGANIZERS:

Convener: **Dr. D. P. Mondal**, Chief Scientist, **CSIR-AMPRI**

Co-Convener: **Dr. G. Gupta**, Pr. Scientist, **Mr. Venkat A.N.CH**, Sr. Scientist **CSIR-AMPRI**

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Program on 5th Dec 2020

Inaugural Session: 9:45 AM- 10:40 AM			
1	Dr. D.P. Mondal, Chief scientist, CSIR-AMPRI and convener, webinar	Introduction about webinar	9:45-9:55
2	Dr A. K. Srivastava, Director, CSIR-AMPRI and 4M Sub-vertical "Materials for Defense"	Welcome Address	9:55-10:10
3	Dr. I. Chottoraj, Director, CSIR-NML, and 4M theme Director	About CSIR-4M theme	10:10-10:20
4	Professor Shrikant Lele, Former Distinguished Professor & Director, IT, BHU, Chairman Research Council, CSIR-AMPRI, Chief Guest of the Function,	Address by Chief Guest	10:20-10:40

Session-I: 10:40 AM to 1:10 PM "Armour and Naval Grade Steel"			
Session Chair person: Dr I. Chottoraj, Director CSIR-NML			
1	Dr. V. Rao, Director, ARDE, Pune	Key note Address-I	10:40-11:10
2	Dr. D. K. Dubey, Director, DRDE	Key Note Address-II	11:10-11:40
3	Dr. Basu, Scientist G, NMRL	Invited Lecture-I (Welding	11:40-12:10

		for Naval Grade Steels)	
4	Dr. Subrata Mukherjee, R & D, Tata steel Ltd.	Invited Lecture-II (High strength Steel)	12:10-12:30
5	Dr. S. Ghosh Choudhury, Chief Scientist, CSIR-NML	CSIR Lecture-I (Armour and Naval steel)	12:30-12:55
6	Mr. Nimai Chandra Gorai, AcSIR-Fellow	CSIR Lecture-II (Ultra high Strength Martensite Steel for hot forming and roll forming Applications)	12:55-1:10

Session-II: 2:00 PM to 4:45 PM “Missile and Propulsion systems”			
Session Chair person: Dr. V. Rao, Director, ARDE, Pune			
1	Dr S Uma Mahaeswara Reddy, Director, MTRDC	Key Note Lecture-III	2:00-2:30
2	Dr. Parthasarathi Hans, Scientist G, GTRE	Key Note Lecture-IV (Next Generation Materials & Technologies: Aero-engine Perspective)	2:30-3:30
3	Dr. I Shrikant, Scientist F, ASL, DRDO	Key Note Lecture-V (Composite Materials for Missiles)	3:00-3:30
4	Dr Rahul Harse, Scientist F, R&DE (E), Pune	Invited Lecture-III (Composites materials and processes)	3:30-3:55
5	Dr. Deepayan Sanyal, Chief Scientist G, CSIR-CGCRI	CSIR Lecture-III (Advanced ceramics and Speciality fibre for Defence)	3:55-4:20
6	Dr. M. Debata, Principal Scientist, CSIR-IMMT	CSIR Lecture-IV (Advanced Materials for Missile and Propulsion system)	4:20-4:45

Program on 6th December 2020

Session-III: 10:00 AM to 12:25 PM “Materials for Armored Vehicle”			
Session Chair person: Dr A. K. Srivastava, Director, CSIR-AMPRI			
1	Shri S Sinha, Director, VRDE	Key note Lecture –VI (Advanced Materials : A combat vehicle Perspective)	10:00-10:30
2	Dr. Ravindra Kumar, Director, DLJ	Key note Lecture – VII (Functional Materials for Passive Counter Measures)	10:30-11:00
3	Dr. Gaurav Gupta. Pr. Scientist, CSIR-AMPRI	CSIR Lecture-V (Multilayered personal and vehicle armor)	11:00-11:20
4	Dr. D. P. Mondal, Chief Scientist, CSIR-AMPRI	CSIR Lecture-VI (hybrid foam for blast resistance)	11:20-11:40

		application)	
5	Dr. M. Ravi, Chief Scientist, CSIR-NIIST	CSIR Lecture-VII (Light Weight Alloys and Composite for Defence Applications)	11:40-12:05
6	Dr. K. L. Sahoo, Sr. Principal Scientist, CSIR-NML	CSIR Lecture-VIII (Al-Li alloys for aerospace Applications)	12:05-12:25

Session-IV: 12:30 PM to 1:45 PM Panel discussion and Valedictory			
1	Panel Discussion	Dr P. Hans (GTRE), Dr. V. Rao (ARDE), Dr Basu (NMRL), Dr Ravindra Kumar (DLI), Dr. I Chottoraj, (NML), Dr. A.K Srivastava (AMPRI), Dr S. Mukherjee (Tata steel), Dr S Uma Reddy (MTRDC), Shri Gopal Jha (L&T Defence), Shri S Sinha (VRDE), Shri V. Balamurugan (CVRDE)	12:30-1:30
2	Concluding Remarks	Dr. D.P. Mondal, Chief scientist, CSIR-AMPRI and convener, webinar	1:30-1:40
3	Vote of Thanks	Dr. Gaurav Gupta. Pr. Scientist, CSIR-AMPRI and Co-convener, webinar	1:40-1:45