

1st Short Term Training Programm

on

*“Material Characterization and Materials used for
Defence/Aerospace Industrial Applications”
in Hybrid Mode*

08th November 2024 to 12th November 2024

Venue: National Institute of Technology, Srinagar, J&K



रक्षा अनुसंधान एवं विकास संगठन
रक्षा मंत्रालय, भारत सरकार
DEFENCE RESEARCH &
DEVELOPMENT ORGANISATION
Ministry of Defence, Government of India



Organized by:

*Department of Metallurgical & Materials Engineering
National Institute of Technology, Srinagar, J&K*

&

*Department of Mechanical Engineering
National Institute of Technology, Srinagar, J&K*

In Collaboration with

*Defence Research & Development Organisation
Ministry of Defence, Government of India*

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India

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Registration Link

<https://forms.gle/uoR29myoc3F4qbic7>

About the Institute



National Institute of Technology Srinagar, is one of the premier Educational Institutes in the Northern Region of the country. It was established in 1960 and has been one of the eighteen Regional Engineering Colleges sponsored by Govt. of India during the 2nd Plan. The Institute acquired the status of National Institute of Technology with deemed to be University status in August 2003 and attained full autonomy in its Academics.

The Institute is situated at the banks of the world-famous Dal Lake, with the famed Hazratbal Shrine on other side of the campus. The Institute has one of the best technical libraries in J&K State. It has an on-line repository of A.S.C.E, A.S.M.E, A.E.L, J.C.C.C etc. in addition to journals through INDEST-AICTE consortium. It also has a collection of ASTM standards, I.S.I codes, in the C.D-Rom format. Institute has also set up state-of-art Central Research Facility, housing high end equipment for fabrication, characterization of materials and coatings at micro and nano scale level.

About the Short Term Training Programm

Metallurgy & Materials Engineering Department and Mechanical Engineering Department, NIT Srinagar, India, in collaboration with Defence Research & Development Organisation, Ministry of Defence, Government of India is organizing a five-days Short Term Training Programm on, “Material Characterization and Materials used for Defence/Aerospace Industrial Applications”. The initiative is aimed at bringing together the researchers, scientists, technocrats and practicing engineers to discuss and address the issues related to development and characterization of smart materials and adaptive coatings for defence and aerospace industrial applications. The STTP will focus on material characterization and materials used for Defence/Aerospace Industrial Applications.

In addition to this, practical sessions will be held which will provide hands-on experience to the participants on latest equipment in the field of fabrication of CMCs, MMCs, Additive Manufacturing nano-coatings, tribology, nano-tribology and material characterization at micro and nano scale level. Eminent experts from Academia and Industry will deliver keynotes, address/plenary lectures/ expert lectures on below mentioned topics related to space tribology.

- Material Characterization
- Super Alloys
- Surface Engineering
- Tribology
- Nanomaterial Synthesis
- Fatigue
- Surface Modification Processes
- Tribological Testing & Characterization
- Additive Manufacturing

Panel of Key Note Speakers

- Shri. M. D. Upadhyay, DRDO
- Dr. S. K. Pandey, DRDO
- Dr. Nimesh Kumar, Technology Adviser, DRDO HQ
- Dr. Zafir Alam, DRDO
- Dr. Nimesh Kumar, Technology Adviser, DRDO HQ
- Dr. R. J. Gandhan, IIT Madras
- Prof. Satish Kailash, IISc Bangalore
- Prof. (HAG) Rakesh Sehgal, NIT Hamirpur
- Prof. (HAG) M. F. Wani, NIT Srinagar
- Prof. (HAG) G. A. Harmain
- Prof. Sunil Mohan, IITBHU
- Prof. Atikur Rahman, NIT Srinagar
- Prof. Amit Chauhan, UIET Punjab University
- Dr. Vinod Kumar, IIT Indore
- Dr. S. Anand Kumar, IIT Jammu
- Dr. Mohit Pant, NIT Hamirpur
- Dr. Mukund Dutt Sharma, NIT Srinagar

Coordinator

Dr. Mukund Dutt Sharma (NIT Srinagar, India)

Various Committees

1. Publicity and Printing Committee: Prof. (HAG) G.A. Harmain (Chairman) Dr. H. S. Pali Dr. Srinibas Mishra	4. Arrangement Transportation Committee: Dr. Mohd. Hanief (Chairman) Dr. Abhijeet Dey
2. Registration and Program Arrangement Committee: Prof. Atikur Rahman (Chairman) Dr. Mukund Dutt Sharma	5. Catering Committee: Dr. Mukund Dutt Sharma (Chairman) Dr. Noor Zaman Khan
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Registration Fees for Participants		Account Details	
Particulars	Online/Offline		
Industry Delegates	8K/10K INR	Account name:	DIRECTOR NIT
Indian Acad. Delegates	4K/5K INR	Account No.:	0391040510000006
Indian Research Scholars	2K/3K INR	IFSC:	JAKA0RECSGR
Accompanying Person Indian Delegates	1,500 INR	Bank Name:	J&K Bank
		Branch:	REC, Hazratbal
Foreign Academic Delegates	150/250 USD	Important Dates:	
Foreign Research Scholars	75/150 USD	Last date for Registration: 30 th Oct., 2024 Intimation to Sortlisted Participants: 31 st Oct., 2024 Last Date of Deposit of Registration Fee: 28 st Oct. 2024	
Accompanying Person Foreign Delegates	100 USD	Final Selection-list Intimation: 1 st Nov., 2024 Duration of STTP: 08 th – 12 th Nov., 2024	

***Registration Fee Includes KIT and only working lunch for 5 days**

Selection Criteria:

Selections will be made on first-cum-first-serve basis and the confirmed candidates will be notified accordingly. The maximum number of participants will be 56 (Fifty Six).*

**Seats are limited for each group/category.*