

ACADEMIA-INDUSTRY MEET ON DEFENCE COMMUNICATION

An Academia-Industry Meet on Defence Communication is being held at DEAL, Dehradun on 11-12 April 2023, to strengthen the association between DEAL, Academia and Industry. This will pave the way for future technological developments in the field of Military

Communications and Surveillance.

What to Expect

- Opportunity to attend lectures from eminent Professors of prominent Academic Institutions.
- Lectures from our development partners and industry representatives sharing their experiences and future challenges.
- Interactive Sessions with members from DEAL, Academia and Industry.

RSVP today and join us for an informative and productive meet filled with insightful discussions and opportunities for growth. We look forward to your active participation.

Organized by: Defence Electronics Applications Laboratory Dehradun

> in association with The Institution of Electronics and Telecommunication Engineers (IETE, Dehradun Centre)

Registration Details

1. Registration charges for Industry Rs 10,000/- per Delegates. head

2. Registration charges for Industry Rs 1,00,000/-Exhibits (including registration charges for two delegates & 30 minutes presentation*).

3. Last date for registration

31 March 2023

Contact Persons for Registration

1. Sh. Javed Ansari, Scientist-F+91 94129 75322

2. Sh. Nikhil Mittal, Scientist-C +91 94633 56783

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* Presentation opportunity will be given on First-cum-First-Served basis

About Dehradun

Dehradun, the capital city of the Himalayan State of Uttarakhand is located around 250 km from Delhi at an altitude of 695 m. The city has Himalayas to its north, the Shivalik ranges to its south, the sacred Ganges to its east and the Yamuna to its west. Situated in one of the most scenic and tranquil hill regions of India, Dehradun is blessed with moderate climate, with max. and min. temp. of 35° C. and 17° C in April. It is well connected by road,



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AIM-DefCom



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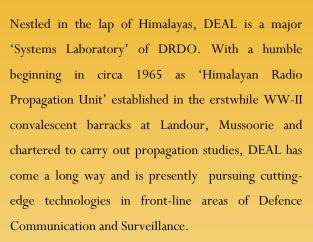
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Date : II-I2 April 2023

Defence Electronics Applications Laboratory

Raipur Road, Dehradun—248001 Uttarakhand, INDIA





DEAL is engaged in the development of Communication and Surveillance Systems right from Very Low Frequency (VLF) to Extremely High Frequency upto THz with the following thrust areas:

- Software Defined Radios (SDR) for Naval, Land & Airborne platforms
- Datalinks for UAVs and Manned Airborne
 platforms
- Manpack & Handheld Satellite Phones
- Troposcatter Communication System
- VLF Communication System





DEAL is enriched with state-of-the-art infrastructure facilities for design and development of communication systems which includes

- High precision mechanical fabrication facility
- CAD/CAM facilities
- EMI/EMC testing
- Environmental testing
- Antenna test facilities (CATR & SNFTR)

Considering the Government's thrust on Aatmanirbhar Bharat in Amrit Kaal, it is imperative to have greater synergy of the R&D ecosystem comprising of Academia, Industry and DRDO for developing the next generation of wireless communication systems for military & homeland security. Accordingly, the Academia Industry Meet (AIM) will provide a common platform for all stakeholders to discuss & deliberate upon the various aspects of the R&D spectrum.





The following areas/topics are thus proposed to be covered:

- * Standardization aspects of Software Defined Radios (SDRs) for greater interoperability
- * Leveraging 5G & 6G technology for military communication
- * Multiband SATCOM/Space based SDR
- * Role of AI & machine learning in military communication
- * Countermeasures for COMSEC
- * Network-centric operations
- * Smart Antennas, Phased Array Antennas
- * Next generation data links for Airborne platforms
- * Below the noise floor modems
- * Shared aperture for communication & EW
- * In-band Full Duplex Communication
- SWaP Optimized Power Amplifier

