



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 Delegates. Rs 10,000/- per head
2. Registration charges for Industry Exhibits (including registration charges for two delegates & 30 minutes presentation*). Rs 1,00,000/-
3. Last date for registration 31 March 2023

Contact Persons for Registration

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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, rail and air.



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AIM-DefCom



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Date : 11-12 April 2023

Defence Electronics Applications Laboratory
Raipur Road, Dehradun—248001
Uttarakhand, INDIA

About DEAL



Nestled in the lap of Himalayas, DEAL is a major 'Systems Laboratory' of DRDO. With a humble beginning in circa 1965 as 'Himalayan Radio Propagation Unit' established in the erstwhile WW-II convalescent barracks at Landour, Mussoorie and chartered to carry out propagation studies, DEAL has come a long way and is presently pursuing cutting-edge technologies in front-line areas of Defence Communication and Surveillance.

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

