Exhibition

An exhibition is organized to demonstrate the products related to explosive detection from various manufacturers. The charges for booking stalls for exhibition are as follows

- 6 m x 3 m area with complimentary full page Advertisement in Souvenir - Rs 85000/-
- 3 m x 3 m area with complimentary full page Advertisement in Souvenir - Rs 60000/-
- 3 m x 3 m area with complimentary half Page Advertisement in Souvenir - Rs 50000/-

Souvenir

A souvenir will be published during the workshop. The tariff for advertisement in Souvenir is as follows

- Back side Cover Page- Rs 40000/-
- Inside Cover Page - Rs 30000/-
- Inside Full Page - Rs 25000/-
- Inside Half Page - Rs 15000/-

Account Details

The account details for transfer of amount for booking stalls and advertisement is available at website www.drdo.gov.in/nwed2020

Accommodation

No accommodation will be provided to the participants. Participants are requested to arrange their own accommodation. Check the website for hotels available near the venue that will provide limited accommodation at concessional rate exclusively for the workshop participants on first come first serve basis.

Website

www.drdo.gov.in/nwed2020

Venue

The 2nd "National Workshop on Explosive Detection" (NWED-2020) is being organised at APJ Abdul Kalam Auditorium, Pashan by High Energy Materials Research Laboratory (HEMRL), Pune. HEMRL is one of the pioneer laboratories involved in research in the area of high explosives, propellants, pyrotechnics and other allied areas of HEMs. Pune, known as the Oxford of the east is a multifaceted and modern city with prestigious educational and research institutions, defence research laboratories and hi-tech facilities. Pune has well furnished hotels of international ranking. The venue of the workshop is situated amidst the scenic surroundings of the lush green hills near Pashan Lake which is a destination for migratory birds.

Convener

Shri C Gururaja Rao
Associate Director
HEMRL

Co-Convener

Shri Bikash Ghose
Group Director
HEMRL

Contact
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2nd National Workshop on Explosive Detection

NWED – 2020

Theme

Stand-off Detection

(Concealed & Open)

1st & 2nd March 2020
at APJ Abdul Kalam Auditorium,
Pashan, Pune

Organised by

High Energy Materials Research Laboratory

www.drdo.gov.in/nwed2020

2nd National Workshop on Explosive Detection

Background

The increase in use of explosives for the destruction of public life and property has compelled the need to detect and identify explosives. Miscreants are using innovative means to create destruction with an element of surprise and sophistication. To counter such threats, innovative materials, sensors and technologies are being explored to bring out user-friendly devices for efficient and effective detection of explosives to make homeland security more credible. Detection of explosive being very important, increasingly relevant and vital topic of research in the current scenario, researchers are working at different geographical locations in the country on different techniques for detection of trace and bulk explosives.

Concealed bulk explosive detection is important to counter the mass damage whereas the explosive identification or detection of traces is important for the analysis of after effect and to foresee the possibility of hidden explosive. The workshop will focus on the current and futuristic scientific & technological advances in the field of trace and bulk explosive detection such as Ultrafast Lasers, Laser Induced Breakdown Spectroscopy (LIBS), Spatially Offset Raman Spectroscopy (SORS), Universal Multi-Angle Raman Spectroscopy (UMARS), Back Scatter Raman Spectroscopy, Surface Enhanced Raman Spectroscopy (SERS), Photo-Acoustic Spectroscopy, Tera-Hertz Spectroscopy, Nuclear and X-ray detection techniques, Novel materials, Sensors, Nano Science & Technology, Electronic nose etc.

NWED-2018

1st National Workshop on Explosive Detection (NWED-2018) was conducted and organized by High Energy Materials Research Laboratory (HEMRL) in Dec 2018. The workshop was attended by more than 240 participants and well represented by various relevant organisations such as BDDS, CME, CISF, CRPF, ACRHEM, IITB, IITD, IITKgp, IISc, LASTEC, Forensic Lab, Maharastra Police, ATS, Telengana Police, BSF etc. With the overwhelming response for the workshop as the platform of exchange of knowledge and frame the roadmap of the country to progress in the area of Explosive Detection, the 2nd National Workshop on Explosive Detection will be conducted in March 2020.

Objectives of NWED-2020

The main objective of the workshop is to bring the community working in the field of explosive detection together and enable them to explore the novel explosive detection technologies and development of newer materials and sensor technologies to meet the challenges for efficient detection of wide range of explosives.

The workshop will mainly focus on various aspects of detection of bulk and trace explosives in concealed or open condition and also on the aspect of the stand-off detection techniques to be used without tampering of the package. The workshop will also bring the technologists together for innovative product development to meet the need of the end users.

Key Technology Areas

The broadly covered technologies, but not limited to, are;

- Chemical methods
- Optical Techniques
- X-Ray based techniques
- Nuclear techniques
- Electro-magnetic imaging
- Electro-magnetic resonance techniques
- Spectroscopic methods (THz, LIBS, Raman etc)
- Multi-modal imaging techniques

Eminent personalities with wide experience in the field of explosive detection from many premier institutions like LASTEC, HEMRL, ACRHEM, IISc, IIT Bombay, IIT Delhi, IIT Kharagpur and other renowned Institutes and Universities will deliver lectures. Speakers from user agencies like BDDS, CRPF, ATS, CISF, etc. will share their experiences in the workshop on applicability of the commercially available explosive detection devices and the need of current age technologies for explosive detection in changed scenarios of threat perceptions. The workshop will be followed by panel discussions on the futuristic need of this country in the area of explosive detection.

Registration

There is no registration fee for attending the workshop. However all participants must register through website only. A confirmation email with registration number will be sent to their registered e-mail ID. Delegates from organizations should register online & e-mail their scanned copy of the nomination letter.