

Society For Shock Wave Research (India)

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Souvenir

A souvenir will be published comprising of abstracts and advertisements. All industry partners are invited to advertise their products and give impetus to the seminar.

Advertisement rates are as under

Front Cover Inside	:	₹ 50,000
Back cover Outside	:	₹ 50,000
Back cover inside	:	₹ 40,000
Full page	:	₹ 25,000
Half page	:	₹ 10,000

Exhibition

It is proposed to have an exhibition of industrial products and models made by student/researcher. Exhibition fee Rs 20000 per cubical (Approx area 2.5m x 2.5m and height 2.4 m. 2 chairs, 1 table and electric supply will be provided).

Payment Details

The registration fee and advertisement/exhibition charges can be deposited directly to a/c no. 37030950725 at SBI, Sec-30, Chandigarh or by demand draft in favour of "The Chairman, NSSW-2018" payable at Chandigarh.



CHANDIGARH

The City Beautiful

Chandigarh, the dream city of India's first Prime Minister, Pt. Jawahar Lal Nehru, was planned by the famous French architect Le Corbusier. Picturesquely located at the foothills of Shivaliks, it is known as one of the finest examples in urban planning and architecture in the twentieth century in modern India. A harmonious blend of buildings, trees and other landscape elements, with the beautiful backdrop of the Shivalik hills, earned Chandigarh the name 'The City Beautiful'. Chandigarh is situated 250km north of New Delhi and is well connected by road, train and air.

Climate: Chandigarh weather in February is pleasant, generally dry and the temperature in between 10°C to 25°C.

Places to Visit:

- Beautiful gardens (Leisure Valley, Bougainvillea Park, Zakir Rose Garden, Shanti Kunj, Hibiscus Garden, Botanical Garden, Topiary Garden and Terraced Garden and World Famous Rock Garden)
- Sukhana Lake
- Moghul Garden at Pinjore (20 km)
- Mussoorie 160 km, linked via road
- Shimla 100 km, linked via Road and Heritage Train
- Kasauli 60 km, linked via Road
- Manali 300 km, linked via Road
- Dharamshala 250 km, linked via Road



VENUE: Manthan Auditorium, TBRL Ranges Ramgarh

Contacts

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NSSW 2018

5th NATIONAL SYMPOSIUM ON SHOCK WAVES

February 28th to March 2nd, 2018



– Organized by –

SOCIETY FOR SHOCK WAVE RESEARCH (INDIA)

– In collaboration with –

**HIGH ENERGY MATERIALS SOCIETY OF INDIA
CHANDIGARH-DELHI CHAPTER**

– at –

**Terminal Ballistics Research Laboratory
Sector 30, Chandigarh, INDIA**

Society For Shock Wave Research (India)

The society was formulated by Department of Aerospace Engineering Indian Institute of Science, Bengaluru, India to create awareness about shock wave science and its applications in different fields. The society is conducting bi annual national symposium and has conducted four national symposia on shock wave so far. The interaction and deliberations in these symposia has given way to many partnerships among the academia, R&D organizations and industries.

High Energy Materials Society of India (HEMSI)

High Energy Materials Society of India (HEMSI) was founded in the year 1983 to provide a forum for interaction among the scientists and researchers working in the field of high energy materials and related technologies in research laboratories of DRDO, DAE, ISRO, academic institutes and industries of the country. HEMSI having made a modest beginning at Pune, now boasts of having five more Chapters at Thiruvananthapuram, Chennai, Hyderabad, Chandigarh-Delhi and Jagdalpur in addition to its parent chapter at Pune. HEMSI made its presence felt throughout the country and the world over by arranging 8 National and 10 International conferences. Society is organizing 11th international conference at HEMRL, Pune on Nov 23-25, 2017. Deliberations in the conferences always lead to the generation of road map for future work in the field of pyrotechnics, propellants, high explosives and related fields. The endeavour of the society is to bridge the technology gap between the developed countries and India through participation of the international scientists and experts in the said conferences.

TBRL - VENUE FOR THE WORKSHOP

TBRL was established in 1961 as one of armament research laboratories, under the Department of Defence Research & Development with an aim to provide facilities for applied research and technology development in the fields of high explosives, detonics, shock & blast, lethality, impact & penetration and performance evaluation of warheads & other armament systems. The laboratory has the headquarter at Sector 30, Chandigarh and its technical area known as TBRL Ranges at village Ramgarh, District Panchkula, Haryana. The TBRL Ranges are divided into a number of technical zones / trial areas which have been designed and spaced so as to allow conduct of experimental trials independent of each other. Each technical zone has been equipped with highly specialized instruments and diagnostics facilities, which generate critical inputs for the design and development of warheads and other armament systems. The main feature of the trial areas is that the instruments are kept in the strong RCC bunkers and explosive or ammunition are detonated in the open. This gives flexibility in operation and permits explosion of high calibre warheads, ammunition and large explosive charges with adequate safety measures. Over the last 50 years the laboratory has evolved from a test and evaluation centre to an institute with expertise and competence in technology development, simulation, design and development of different explosive devices and related systems for armament applications. The symposium will be organized in Manthan Auditorium at TBRL Ranges about 22 km from Chandigarh on Chandigarh- Yamuna Nagar Highway (NH 73).

Topics

1. Shock Generation Devices & Techniques
2. Diagnostics and High Speed Instrumentation
3. Modeling and Simulation of Detonation, Shock & Hypersonic Flow
4. Underwater Shock Waves and Tsunami
5. Ballistics and Shock Waves
6. Shock Waves in Condensed Media
7. Shock Waves in Porous, Composite and Geological Media
8. Detonation and Shock Induced Chemistry
9. Shock Tubes and High Temperature Chemical Kinematics
10. Blast/ Shock Mitigation
11. Medical and Biological Applications

Call For Papers

Authors are invited to submit papers for the symposium. Selection will be on the basis of quality of abstract. Best paper awards instituted by Society for Shock Waves Research will be given to best papers by students working in the area of Shock Wave research. Abstract submission should include title of paper, authors name, affiliation, keywords. The MS word format to be used along with pdf version for clarity of symbols used. The abstracts should be mailed to nssw2018@gmail.com

Important Dates

- First announcement – 31st July 2017
- Submission of abstracts – 30th September 2017
- Notification of acceptance – 31st October 2017
- Full Paper submission – 31st December 2017
- Registration – 31st January 2018

Registration Fee

- Delegates from scientific / academic institutes - ₹ 5000/-
- Students - ₹ 1500/-
- Members of SSWR/ HEMSI - ₹ 4000/-



PATRON

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Chairman, DRDO and Secretary, Department of Defence R&D

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