

# HEMSI STUDENTS' SYMPOSIUM - HS<sup>2</sup>

(A Launch Pad to foster wings of Fire to the thoughts of young ignited minds)



## HEMSI

High Energy Materials Society of India (HEMSI) is a non-profit professional body founded in 1983 with Head Quarters at HEMRL, Pune. Its objective is to promote, propagate & encourage basic and applied research in the whole gamut of High Energy Materials (HEMs) including Propellants, High Explosives & Pyrotechnics all over the world. The society provides a unique platform to discuss, share, exchange, interact and realize these objectives by organizing international conferences. HEMSI, Sriharikota-Chennai Chapter takes care of the HEMSI activities in this region.

SATISH DHAWAN SPACE CENTRE SHAR (SDSC-SHAR ISRO), SRIHARIKOTA

SDSC-SHAR is the spaceport of India. SDSC has state of the art facilities for producing heavier class solid propellant rocket boosters and testing them on the ground. There are two operational Launch Pads, viz., First Launch Pad (FLP) and Second Launch Pad (SLP), equipped with integration, liquid storage and servicing facilities. Mission Control Centre & Launch Control Centre are equipped with sophisticated instrumentation, tracking and real time systems / facilities. All the Satellite Launch Vehicles of ISRO are being launched from Sriharikota.

Indian Institute of Technology - Madras (IIT-M), Chennai

IIT-M, a premier Institute for Science, Engineering and Technology is nestled in the lush green surroundings of the Guindy National Park. It has the privilege of being one among the very few academic institutions in the country to nurture and carry out various research including HEMs. IIT-Madras (IIT-M) is the venue for HEMSI Students' Symposium.

## Organisers

HEMSI, SHAR-Chennai Chapter in association with SDSC-SHAR and IIT-M is organising International High Energy Materials Conference & Exhibit (HEMCE-2019) on the theme of "Exploring the innate inclusive potentials of High Energy Materials". As part of HEMCE 2019, there is "HEMSI Students' Symposium - HS<sup>2</sup>" to ignite the young minds and make them to share their creative thoughts among them in the presence of legends participating in this conference. This symposium will be handled by eminent experts. It would be a great opportunity for students who can coin their thoughts into a presentable form.

In addition to enriching knowledge of participating students, it will be a platform to present their thoughts. This will be a rare opportunity for both students and faculties.



**IGNITE**

**PROPEL**

**And REACH  
The UNREACHED**



Inauguration : 18-12-2019 - Visit to Sriharikota : 19-12-2019

Proposals can be sent to [hemsisympo@gmail.com](mailto:hemsisympo@gmail.com)



Venue IIT - Madras



Visit to Sriharikota



## HEMSI STUDENTS' SYMPOSIUM HS<sup>2</sup>

HEMSI Students' Symposium is organised to involve students from various educational institutes pursuing graduation in Science / Engineering / Technology.

A team consisting of two undergraduate students and guiding teaching faculty can send a proposal on the themes given below

### THEMES

1. Inputs, Challenges & Perspectives for Gaganyaan
2. Innovative Ideas for future Space / Defence Systems
3. Green Energy and Future Propulsion Systems for Rockets / Missiles
4. Future of Space Exploration

- \* Participating College / University shall submit any number of innovative proposals. The proposals shall be duly forwarded by Head / Principal of the college / University.
- \* The proposal shall be given in an Extended Abstract format describing concept, idea & approach in two pages (maximum).
- \* Best innovative proposals will be shortlisted based on the reviews by an Expert panel of ISRO / IIT / DRDO for presenting in the symposium.
- \* Such proposals shall be presented in the Symposium, being held on 18 Dec. at IIT-M, Chennai.
- \* The presentation shall be covered with in 10 minutes through slides not exceeding 15 numbers.
- \* Innovative Ideas / Presentations will be awarded in the Symposium.
- \* Teams using downloaded or copied proposals will be disqualified.
- \* Participants shall attend the symposium on their own. Limited accommodation is available for out station students at Student's Hostel of IIT-M on "First come First Serve basis".
- \* Special arrangements are also made to provide accommodation at affordable cost in the hotels/lodges nearby to the Venue on payable basis. Details of Hotels & Cost shall be made available in HEMCE 2019 website.
- \* Students and colleges are welcome to participate in the symposium as delegates (non-presenters) also.

#### BANK DETAILS

Account name : HEMCE 2019  
Account number : 2722101016495  
IFSC code : CNRB0002722  
Bank name : Canara bank ,IIT Madras

#### REGISTRATION FEES

Rs. 5950 per proposal for a team of three members  
Rs. 2450 for each delegate (non-presenters)  
(Fees inclusive of trip to Sriharikota)  
Last date for submission of proposal - 5<sup>th</sup> Dec. 2019

#### IIT-M Co-Ordinators

Mr. Rohit Iyengar - 8867764468  
Mr. Phanindra Reddy - 7036897977  
Mr. Ajith Joseph - 7012555178

Shri. V. Ranganathan,  
Chairman, Organizing committee

#### SDSC-SHAR Co-ordinators

Dr. S. Selvakumar  
08623-223013 / 09440151854  
Shri. K.V.Suresh babu  
08623-223287 / 09440011379  
Shri. D. Gokul  
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