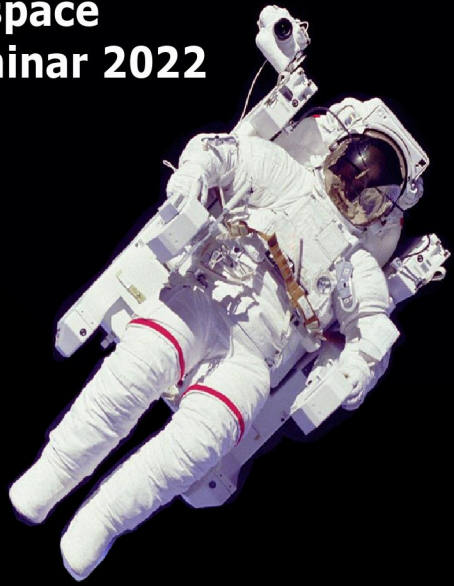
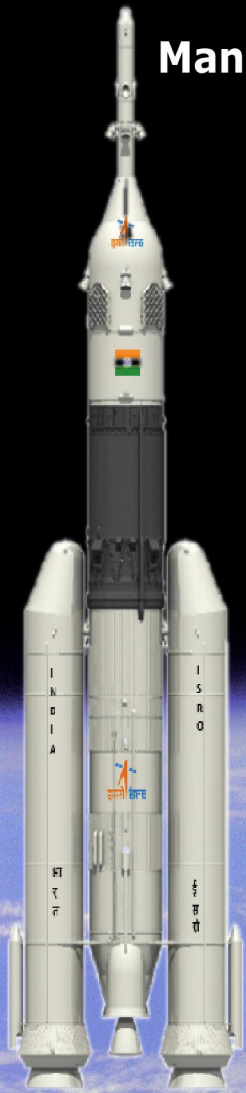


# NAMS 2022

**National Aerospace  
Manufacturing Seminar 2022**



**"Manned Space Mission :  
Challenges in Materials,  
Manufacturing and Certification"**

**20<sup>th</sup> & 21<sup>st</sup> May-2022  
at VSSC, Trivandrum**

*Organised by*  
**Society of Aerospace Manufacturing Engineers  
Thiruvananthapuram**



# THE SOCIETY

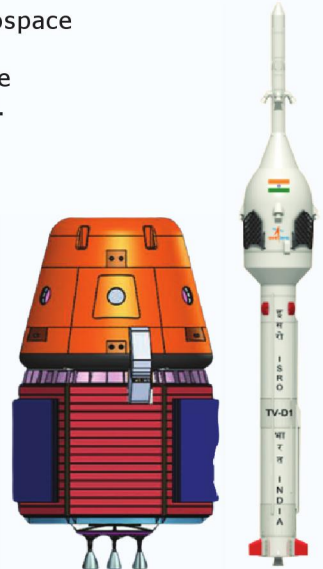
The Society of Aerospace Manufacturing Engineers (SAME) is a premier body representing the family of professional manufacturing engineers in the field of aerospace from R & D Institutions, Academia & Industry in India. The Society is formed with the following objectives:

- To promote scientific development of aerospace manufacturing engineering in all its branches.
- To promote a forum for exchange of ideas, experience and knowledge in aerospace manufacturing.
- To enhance productivity, reliability & quality in aerospace manufacturing.
- To encourage professionals in the area of aerospace manufacturing and to recognize their contributions.



## BACKGROUND

India's manned mission programme approved by Government of India is a point of inflexion in the growth profile of India's Space endeavour, marking a seminal foray into the new age of human space exploration. Towards this goal, the use of advanced materials, manufacturing technologies and quality/certification play a pivotal role. Development of crew module, life support systems, crew escape systems etc. involve many challenges. A broader framework for collaboration between academia, industry and research agencies is essential to meet the mammoth task of accomplishing successful manned missions.



## NATIONAL AEROSPACE MANUFACTURING SEMINAR (NAMS)

Society of Aerospace Manufacturing Engineers (SAME) conducts the NAMS seminar biennially. The next seminar is planned during May-2022 with a theme focused on '**Manned Space Mission : Challenges in Materials, Manufacturing and Certification**'. The seminar aims to provide a common platform to a wide spectrum of technologists, engineers, scientists, academia and industries involved in aerospace manufacturing to share their ideas, experience and goals. The Organizing Committee of NAMS-2022 takes great pleasure in inviting technical papers of original nature on any of the themes identified.



# NAMS-2022 Theme

## “Manned Space Mission : Challenges in Materials, Manufacturing and Certification”

- Standards and Practices for Materials and Manufacturing of Human Rated Missions
- Human Rating of Hardware, Sub-systems and Systems of Launch Vehicle
- Metallic and Composite Materials for Manned Missions- Specifications and Design
- Special Purpose Materials (Glasses, ceramics etc.) for Manned Missions
- Crew Escape Systems
- Environmental Control and Life Support Systems
- Advanced Manufacturing Techniques
- Space Robotics
- Qualification Standards and Procedures, Quality Control Plans for Manned Missions
- Enhanced Design Requirements for Human Rating
- Reliability, Risk Assessment, FMEA, FMECA and Certification of Systems for Manned Missions



### Invited Talks & Technical Sessions

The seminar will feature **Invited Talks on Challenges in Manned Space Missions. Technical sessions are planned for oral presentation of papers by authors.** Contributory papers are invited from all Scientists and Engineers from academia, industry and research institutes. Papers shall entail the state of the art technologies, provide an insight into latest processes, materials and qualification etc. in the area of aerospace manufacturing. The papers shall be oriented toward the theme of the seminar. Full paper not exceeding 6 pages of A4 size with Times New Roman font, font size of 12 (only) shall be submitted. **Best Paper Awards** would be given in each technical session.

Submission of full paper

: On or before 30<sup>th</sup> April-2022.

Intimation of acceptance of paper

: On or before 5<sup>th</sup> May-2022.

Submission of corrected papers

: On or before 10<sup>th</sup> May-2022.

#### Full papers shall be submitted to :

Dr. V. ANIL KUMAR,

Sci/Engr SF, MPA/MME

VSSC/ISRO, Trivandrum-695022

Email: anilkumar\_v@vssc.gov.in, cc: nams.same2022@gmail.com

Ph: 0471-2562484; Mobile: 9447696772



### Souvenir

A souvenir will be published to commemorate the event. This will carry abstracts of invited talks by eminent speakers in the field of Aerospace manufacturing with focus on Manned Space missions. Advertisements are solicited for inclusion in the souvenir. Organizing Secretary, NAMS-2022 may be contacted for advertising. The last date for receipt of advertisements for souvenir is 10<sup>th</sup> May-2022.

### Advertisement Tariff

Outside Backcover :	Rs. 0.75 Lakh
Inside front	
& back cover :	Rs. 0.60 Lakh
Full Page Colour :	Rs.0.50 Lakh
Half Page Colour :	Rs. 0.30 Lakh



# Registration

Those who are interested to participate in the seminar as delegates may kindly fill in the registration form and send it to the Organizing Secretary, NAMS-2022. Alternately registration can be done at [www.s-a-m-e.in](http://www.s-a-m-e.in). Details of the registration fees is given below & payable by local cheque/DD/ online in favour of 'Society of Aerospace Manufacturing Engineers' payable at Thiruvananthapuram. Last date for registration is 15<sup>th</sup> May-2022.

Category	- Delegate fees
Members of SAME	- Rs. 5000/-
Students	- Rs. 3000/-
Non-Members/ Industries/	- Rs. 6000/-
Other organizations	
Overseas Delegates	- US \$ 300/-

## Sponsorship

The society solicits sponsorship for the seminar from R&D Institutes and Industries. Sponsors are requested to contribute Rs. 2.0 Lakhs and Co-sponsors – Rs. 1.0 Lakh. Sponsors and Co-sponsors can nominate two delegates and one delegate each respectively to the seminar. Also both sponsors and co-sponsors would be eligible for one free full page colour advertisement in the souvenir.

## About Thiruvananthapuram

Located at south-western tip of India, Thiruvananthapuram which is also known as Trivandrum is a calm, quiet city is the capital of Kerala. Thiruvananthapuram has a long coastline full of coconut trees and is a much sought after tourist destination. It has grown into a centre of research activities and known worldwide. For sight seeing, there are many palaces, lakes, beaches, backwaters, museums, zoo and safari parks. Sree Padmanabhaswamy temple is very famous and situated in the heart of the city. Kanyakumari is 100km south of Thiruvananthapuram.



### Address for Correspondence

Shri. Sandeep Verma

Organizing Secretary, NAMS-2022

DGM, LSFG/LSFD/EFA, MME

Building No. 8, 70 Acre Area, VSSC

ISRO PO, Trivandrum-695022

Ph: 0471-2562305

Mobile: 9447957548 / 7356357548

Email: [sandeep\\_verma@vssc.gov.in](mailto:sandeep_verma@vssc.gov.in)

[nams.same2022@gmail.com](mailto:nams.same2022@gmail.com)





## **NAMS 2022**

### **National Aerospace Manufacturing Seminar 2022**

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## **REGISTRATION FORM**

Name (Block Letters) :  
Designation :  
Address :

Email :  
Mobile :  
Institution :  
Category :  
Member/Non-member/  
Academic Institution/  
Industry/ Overseas Delegate

Demand draft/ Cheque :  
/Online Payment details

Date.....

Signature.....