

25th-26th May, 2026

Day 1

Registration: 13:30 - 14:30 Hrs.

Venue: Yashpal Auditorium


Inaugural Function: 14:30 - 15:40 Hrs.

Venue: Yashpal Auditorium

 **15:40 - 16:00 Hrs.**

Venue: Ground Floor, Yashpal Auditorium

16:00 - 16:45	Introduction of Keynote Speaker by: Shri M.K. Sundaresan, Head, PSFD/SDEG/STR/VSSC	Venue: Yashpal Auditorium
	<p><i>Keynote Talk:</i> “Advances in Non-Conventional Finite Elements for Wave Propagation in Structural Health Monitoring”</p> <p><i>Speaker:</i> Dr. Santosh Kapuria, R. C. Malhotra Chair Professor, Department of Applied Mechanics, IIT Delhi</p>	
16:45 - 17:25	<p><i>Invited Talk:</i> “Finite Element Analysis of novel Robotic Grippers & Gripper-sensors: A Journey with FEAST software”</p> <p><i>Speaker:</i> Dr. Debanik Roy, Professor, Homi Bhabha National Institute, Department of Atomic Energy</p>	

 **17:25 - 17:40 Hrs.**


Venue: Ground Floor, Yashpal Auditorium

Cultural Program: 17:45 - 18:45 Hrs.

Venue: Yashpal Auditorium

 **19:00 Hrs. onwards**

Day 2

 **09:15 - 09:30 Hrs.**

Venue: Ground Floor, Yashpal Auditorium

09:30 - 09:55	Presentation on FEAST 2026 capabilities by VSSC	Venue: Yashpal Auditorium
09:55 - 10:25	<p><i>Invited Talk:</i> “Product Development Left Shift – A Reality”</p> <p><i>Speaker:</i> Shri Mahesh Patwardhan, Dy. Director, Automotive Research Association of India</p>	

10:25 - 10:55	<i>Invited Talk:</i> “Finite Element Analysis in missile applications: A few case studies” <i>Speaker:</i> Shri Shaik Ismail, Scientist 'G' & Head, Aerospace Structures Division, DRDL, Hyderabad	Venue: Yashpal Auditorium
10:55 - 11:25	<i>Invited Talk:</i> “Application of FEM based software in studying liquid metal MHD phenomenon” <i>Speaker:</i> Shri Srikanta Sahu, Scientific Officer-F, Fusion Blanket Division, Institute for Plasma Research, Gandhinagar	
11:25 - 11:45	Business Presentation by M/s BosonQ Psi	
 11:45 - 12:00 Hrs. Venue: Ground Floor, Yashpal Auditorium		
Parallel Session-1A 12:00 - 13:30 Hrs. (Venue: Seminar Hall, Vikram Hall) Session Chair: Shri Arup Kumar Hait (SAC) Co-Chair: Dr. Vinayaravi R. (LPSC)		
Structural Analysis of Start Fuel Ampoule Using FEAST Software	Lokesh Rishabh (VSSC)	
Design of 3D printed Gas bottle made of Ti and Experimental validation	Ayyappadas P (VSSC)	
Computational Modeling and Experimental Verification of the Pitch Motor Compartment Structure (PMCS) for a Crew Escape System	Anilkumar VP (VSSC)	
Design and Experimental Validation of the Pendulum Beam Transduction Architecture for an Indigenously Developed Inclinometer using FEAST®	Vinayak P Varma (VSSC)	
Bolt Load Monitoring through Strain Gauge Instrumentation	Manu Sagar KV (VSSC)	
Simulation of Lock-in Shearography through Transient Thermo-structural Analysis in FEAST®	Darshan Gohel (VSSC)	
Thermo-structural assessment of a high temperature operating pressure vessel using FEAST	Mehreen Sana (VSSC)	
Parallel Session-1B 12:00 - 13:30 Hrs. (Venue: Horse Shoe Room, Vikram Hall) Session Chair: Shri Sundar B. (VSSC) Co-Chair: Shri Sammir S. Sakhare (SAC)		
Harmonic Response Analysis of Fluid Lines in Liquid Rocket Engine Applications and Experimental Validation	Vivek S (LPSC)	

Dynamic analysis of spacecraft thruster using FEAST		Alexander Joseph (LPSC)
Structural Design and Analysis of a Launch Vehicle Nose Cone Using FEAST Software		Mali Somanath (VSSC)
Enhancing Aeroelastic FE Model Fidelity: A FEAST-Based Approach to Dynamic Characteristic Tuning		Sukran (VSSC)
Semi-active vibration control of Payloads using FEAST		Paras Nehra (VSSC)
Modal Analysis of a Cryogenic Stage Pressurization Module using FEAST with in-Flight Validation		Unnikrishnan KR (LPSC)
Modal Analysis of Human Head Neck System		Kottresh KM (VSSC)
 13:30 - 14:30 Hrs. Venue: Ground Floor, Yashpal Auditorium		
14:30 - 15:00	<i>Invited Talk:</i> “Basics of FEM for Structural Applications” <i>Speaker:</i> Dr. Chandrashekhkar, Scientist/Engineer-SG, SSD/ESSA, SAC Ahmedabad	Venue: Yashpal Auditorium
15:00 - 15:30	<i>Invited Talk:</i> “Advanced Topics in Finite Element Methods (FEM)” <i>Speaker:</i> Dr. Abhinav Jha, Assistant Professor, Department of Mathematics, IIT Gandhinagar	
Parallel Session-2A 15:30 - 17:00 Hrs. (Venue: Seminar Hall, Vikram Hall) Session Chair: Dr. R. Suresh (VSSC) Co-Chair: Shri Rakesh R. Bhavsar (SAC)		
Thermal modeling and management of a robotic arm		Divyansh Prakash (VSSC)
Thermal modeling, analysis and management for high power ceramic packaged semiconductor device		Deepu Roy (VSSC)
Component level Thermal Analysis of Avionic Package		Nanda Kumar (VSSC)
Thermal Analysis of Reusable Vehicle FADS interface for thermal test conditions		Axsa Reji (VSSC)
Accelerated solution to Heat transfer problems based on Reduced Order Modeling using FEAST (ANTARES Solver)		Atharva Kulkarni (VSSC)

Inverse Estimation of Heat Flux Using Temperature Measurements	Divyansh Prakash (VSSC)
Parallel Session-2B 15:30 - 17:00 Hrs. (Venue: Horse Shoe Room, Vikram Hall) Session Chair: Shri Neeraj Mathur (SAC) Co-Chair: Shri Shanavas A.H. (VSSC)	
Simulation of bicrystal deformation including grain boundary effects: A comparison between continuum and micromechanical finite element models	Sagar Chandra (BARC)
CFRP conical shell projection for using angle deviation in structural stress analysis and Optimization of prepreg laminates	Prakash J (URSC)
FEAST based Co-Simulation Framework for Active Dynamic Response Control	Srishti Gupta (VSSC)
Load estimation for a new generation Core-alone launch vehicle while on Launch pad using FEAST and MATLAB	Akash SS (VSSC)
Health prediction of solid motor nozzle elements for the transportation shock	Narendra Nath (VSSC)
Implementation of 2D scattering module in FEAST software	Manoj Joseph (VSSC)
Structural Analysis of BAS-01 Structure for Mass Optimization	Priya Gupta (VSSC)
Design, Analysis and Realization of a 2-Stage Simplex Type-1 Tensegrity Tower	Dominic Joseph (VSSC)
 17:00 - 17:10 Hrs. Venue: Ground Floor, Yashpal Auditorium	
Panel Discussion: 17:10 - 17:40 Hrs. Venue: Yashpal Auditorium Chair: Dr. V. Ashok, Prof. Satish Dhawan Professor, VSSC Co-Chair: Dr. A.K. Asraff, Prof. Satish Dhawan Professor, VSSC	
Best Paper Awards Distribution: 17:40 - 17:45 Hrs. Venue: Yashpal Auditorium	