

ABOUT INSARM

The Indian National Society for Aerospace & Related Mechanisms (INSARM) was inaugurated by Dr. APJ Abdul Kalam in 1999 with the prime objective of promoting R&D activities in aerospace and related mechanisms. INSARM has got chapters at Agra, Thiruvananthapuram, Bengaluru, Pune and Hyderabad.

ABOUT ASL

Advanced Systems Laboratory is a premier laboratory of DRDO, which is an important centre of the missile cluster. RCI & DRDL are the other centres of this cluster, which along with ASL, are working on comprehensive technologies related to missile programmes. ASL has been working on many long range systems technologies like advanced composite technologies and high performance propulsion systems. The laboratory has core competence in the area of system design and analysis, pyrotechnics, aerospace mechanisms, non-destructive testing, integration and quality assurance. The laboratory has demonstrated its scientific, technological and programme management capabilities in executing programmes of national eminence.

ABOUT BITS PILANI

BITS Pilani, a multi-locational deemed to be a University, conducts degree programmes at all the three tiers of higher education. BITS has campuses at Pilani, Goa, Hyderabad & Dubai, and is engaged in teaching, research in engineering, sciences and humanities. Hyderabad campus of BITS Pilani started its operations in 2008 with undergraduate, postgraduate and PhD Programmes. Surrounded by natural flora and fauna, this campus is located near Hakimpet Airforce Station, 25 kms from Secunderabad railway station. Spread over 200 acres, this campus has state-of-the-art infrastructure with spacious labs, advanced classrooms, lecture theatres and network infrastructure.

ABOUT HYDERABAD

Hyderabad, the city of Pearls is the joint capital of Telangana and Andhra Pradesh. Incidentally, Telangana region was famous for the production of Wootz steel during the Kakatiya dynasty (1083-1323 AD). It is the fifth largest city in India. The city boasts of a rich history spanning more than 400 years. It is also a tourist's paradise with numerous must-see historical monuments such as Golconda Fort, Charminar (erstwhile city centre), Chowmahalla Palace, QutubShahi Tombs etc. The other places of interest to visit are Salar Jung Museum (a place to see swords made of Damascus steel), Birla Temple (a modern beauty made of white marble), Lumbini Park (famous for laser show in the evenings), Ramoji Film City, Shilparamam (arts and crafts village) etc. The weather in the month of November is generally pleasant.



Patrons

Dr. G Satheesh Reddy
Secretary, DDR&D & Chairman, DRDO

Dr. K Sivan
Chairman, ISRO & Secretary, DOS

National Advisory Committee

Chairman: Sri MSR Prasad, Director, DRDL & ASL

Members

Dr. KM Rajan, Director, ARDE
Sri MVKV Prasad, Director ADE
Dr. BHVS Narayana Murthy, Director, RCI
Dr. MRM Babu, Programme Director
Sri KPS Murthy, Director, HEMRL
Dr. Girish S Deodhare, Director, ADA
Sri AK Saxena, Director, ADRDE
Sri V Udaya Bhaskar, CMD, BDL
Dr. Dinesh Kumar Likhi, CMD, MIDHANI
Sri S Somanath, Director, VSSC
Dr. V Narayanan, Director, LPSC
Sri P Kunhikrishnan, Director, SDSC SHAR
Dr. M Annadurai, Director, ISAC
Sri Tapan Misra, Director, SAC

Sri S Pandian, Director, IPRC
Sri D Sam Dayala Dev, Director, IISU
Sr. Prof. G Sundar, Director, BITS Pilani, Hyd
Prof. Niranjana Swain, BITS Pilani, Hyd
Sri Jitendra J Jadhav, Director, NAL
Dr. BSS Chandran, DRDL
Dr. DR Yadav, DRDL
Dr. RK Gupta, ASL
Sri KA Keshava Murthy, URSC
Dr. S Unnikrishnan Nair, VSSC
Dr. VG Sekaran
Sri S Vara Prasada Rao
Sri MK Abdul Majeed
Sri KG Pillai

Member Secretary : Dr. V Venkateswara Rao, Director, CAS

Local Organizing Committee

Dr. V Venkateswara Rao - Chairman
Sri BV Papa Rao - Co-Chairman
Sri A Joseph
Sri KS Vara Prasad
Sri PVG Brahmanandam
Dr. S Karunanidhi
Sri S Gopinath
Sri L Sobhan Kumar
Sri G Ramaguru
Sri N Siva Subramanyam
Sri S Venugopal
Dr. Y Srinivasa Rao
Prof. Sanket Goel, BITS Pilani, Hyd
Prof. Amit Kumar Gupta, BITS Pilani, Hyd
Prof. S S Deshmukh, BITS Pilani, Hyd
Prof. BVVSN Prabhakar Rao, BITS Pilani, Hyd
Dr. M Manickavasagam
Dr. Ch V Ram Mohan

Sri R Venugopal
Sri YV Ratna Prasad
Sri AP Vardhan
Sri PSRS Sastry
Sri T Narsimha Rao
Sri Deepak Agarwal
Sri M Raghvendra Rao
Sri Ch Vijaya Saradhi
Sri SK Sharma
Sri M. Rajagopal Reddy
Sri Ajay Kumar Singh
Sri Ch Surya Kiran
Sri N Suresh Babu
Sri TV Choudary, PEL
Sri D Laxman
Sri Pulak Haldar
Lt Col Seshagiri Rao
Dr. R Srinivasan - Member Secretary

CONTACT ADDRESS

Member Secretary, ARMS2018, ASL, DRDO, Kanchanbagh, Hyderabad 500058
arms18@asllab.in Tel: 040-24583631 Fax: 040-24341407
Dr. R. Srinivasan - 9490956857 N. Suresh Babu - 9885882725



11th National Conference and Exhibition on Aerospace & Defence Related Mechanisms

November 16-17, 2018
Hyderabad, Telangana

ADVANCES AND CHALLENGES IN
AEROSPACE AND DEFENCE RELATED
MECHANISMS

Venue :
BITS Pilani
Hyderabad Campus



<https://arms18.asllab.in>



Aerospace & Defence Related Mechanisms Conference

INTRODUCTION

INSARM has been organising national conferences on Aerospace & Defence Related Mechanisms (ARMS) biennially. Ten conferences have been organised by various chapters and the tenth conference was held at Thiruvananthapuram in 2016. The eleventh conference is being organised at Hyderabad in 2018. Many government agencies, industries, R&D Labs and academic institutions of India are participating in this conference.

OBJECTIVES

To focus on the recent advances related to design, development, fabrication, testing and analysis as well as future concepts of various aerospace and defence related mechanisms. To foster information exchange among mechanisms engineers on the design, analysis, testing, production and operational experience of aerospace and defence mechanisms. This conference provides opportunity as well as platform to present and build a network among engineers & scientists working in similar areas.

Important Date

Receipt of full paper : 28th Sep 2018
Intimation of acceptance of paper : 15th Oct 2018
Last date for registration : 02nd Nov 2018

TECHNICAL PAPERS

Call for Papers

Authors are invited to submit original papers for the conference. Selection will be based on an extended abstract (500 to 800 words). Abstract submission details are available on the conference website. Abstract can be also sent to arms18@asllab.in.

Topics

The conference topics will be generally on mechanisms for missiles, launch vehicles, satellites, aircraft, interplanetary mission, strategic, scientific and commercial applications.

Areas of specific interest are

- Mechanisms in Launch vehicles / Missiles/ Aircrafts / Helicopters / Satellites / UAVs / Underwater systems.
- Design, Analysis, Modelling, Simulation and Systems of Aerospace Mechanisms.
- MEMs devices, Smart Mechanisms.
- War head, Armaments, Fuses and Safe arm mechanism.
- Aerospace mechanisms for the future.
- Automation in Defence equipment and Aerospace Industry.
- Reliability and life cycle study of mechanisms.
- Robotics, space docking, Berthing and Rover mechanism.
- Ejection systems for Missiles and Launch vehicles, Crew modules, Parachute & Stabilization systems.
- Positioning, Pointing, Reuse recovery mechanisms.
- Tribology for Aerospace applications.

Proceedings of the conference will be published and available in digital form.
Best papers will be recommended for publication in Defence Science Journal (DRDO)

REGISTRATION

The conference programme containing details of the registration procedures is available on the website. Participants can register as delegates by sending an e-mail to arms18@asllab.in.

REGISTRATION FEES

General participants	₹ 5000/-
Members of INSARM	₹ 3000/-
Student participants	₹ 1000/-

ACCOMMODATION

Out station participant's accommodation will be arranged at Leonia Resorts near the conference venue as per the eligibility on payment basis. Limited accommodation will be reserved for students at concessional rates at BITS hostel in order to promote aerospace mechanisms education within academia. Transport and accommodation request may be sent to ta_arms18@asllab.in

EXHIBITION

An Exhibition of newly developed Mechanisms and related products is being planned as part of the conference. Exhibits of Mechanisms, working models, laminated photos, products and posters will be accepted. Those interested are requested to send the list of items to be exhibited and space requirement. Industries are invited to participate with products as well as software related to Mechanisms.

Exhibition Fee: ₹ 50,000/- per cubicle of size 3.5m length, 1.5m width and 2.4 m height. Complementary registration - 2 no.

SOUVENIR

A Souvenir will be brought out on this occasion. You are requested to advertise your products and give impetus to the conference.

ADVERTISEMENT RATES

	Rates	Complementary Registration
Back cover outside	₹ 50,000/-	2
Front cover inside	₹ 40,000/-	1
Back cover inside	₹ 40,000/-	1
Full page colour	₹ 25,000/-	-
Half page colour	₹ 15,000/-	-

SPONSORSHIP

Associated industries and institutions are requested to support ARMS 2018 by sponsoring the conference events. Privileges for sponsors are available on the website.

SPONSORSHIP TARIFFS

	Rates	Complementary Registration	Presentation Time
Platinum	₹ 3 Lakhs	6	10 Minutes
Gold	₹ 2 Lakhs	4	5 Minutes
Silver	₹ 1 Lakh	2	2 Minutes

PAYMENTS

Payments can be made through online transfer or by crossed demand draft in favour of "ARMS2018" payable at Hyderabad.

A/c Name : ARMS 2018
A/c No : 37717234126
Branch : State Bank of India, DRDL Branch, Hyderabad
IFSC code : SBIN0010309