

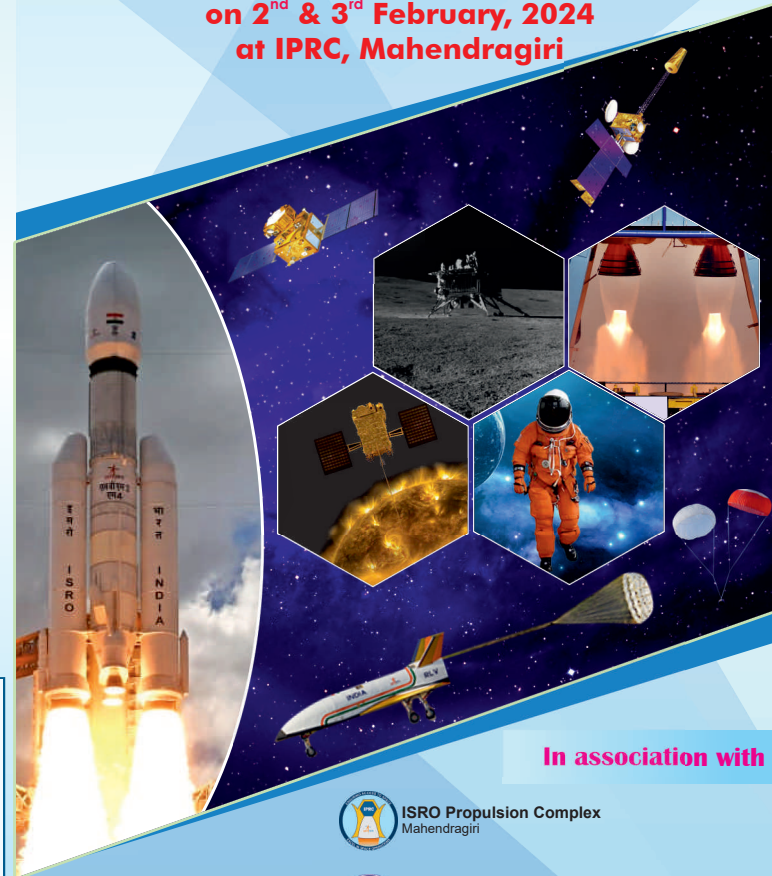


# Indian Society of Systems for Science & Engineering Kanniyakumari Chapter Organises

**INAC-06**

## National Conference on Innovative Design & Engineering in Aerospace Systems - (IDEAS 2024)

on 2<sup>nd</sup> & 3<sup>rd</sup> February, 2024 at IPRC, Mahendragiri



In association with



### LOCAL ORGANISING COMMITTEE

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Shri. J. Sivakumar, President, ISSE, Kanniyakumari chapter

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  - Dr. A Lenin Fred, Mar Ephraem College of Engineering & Technology
  - Dr. R Rajesh, Rohini College of Engineering
  - Dr. P Selvakumar, PSN College of Engineering & Technology

**Convenor:**  
Smt. B. Lebonah, Secretary, ISSE-KK, IPRC

### Focal Points

<p><b>Smt. B Lebonah</b> Secretary, ISSE-KKC lebonah_daniel@iprc.gov.in Phone: 04637-281847 Mobile: 7598687736</p>	<p><b>Shri K Velmurugan</b> Treasurer, ISSE-KKC kvmurugan@iprc.gov.in Phone: 04637-281898 Mobile: 9489925898</p>
<p><a href="mailto:inac.ideas2024@gmail.com">inac.ideas2024@gmail.com</a> <a href="http://www.issekk.in">www.issekk.in</a></p>	

### PATRONS

- Shri. S. Somanath**  
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- Dr. Samir V Kamat**  
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- Dr. B. N. Suresh**  
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- Dr. S. Sidhardhan, Principal, Govt. College of Engineering, Tirunelveli
- Shri. J. Sivakumar, Dy. Director, IPRC & President, ISSE, KKC

### Dates to remember

Commencement of registration	1 <sup>st</sup> November, 2023
Last date for Extended Abstract Submission	24 <sup>th</sup> November, 2023
Acceptance notification	10 <sup>th</sup> December, 2023
Submission of full paper	24 <sup>th</sup> December, 2023
Final Announcement	5 <sup>th</sup> January, 2024
Last date for Delegate registration	12 <sup>th</sup> January, 2024

## About IDEAS-2024

Conference on Innovative Design & Engineering in Aerospace systems is organised by ISSE-KK chapter in association with ISRO Propulsion Complex, Mahendragiri. This conference seeks to create an interactive forum between the professionals in the field of aerospace and the academia to discuss the state of the art technologies, assess the future opportunities and the contributions towards recent technological challenges. The two-day conference comprises keynote address, invited talks by eminent scientists, poster presentation, paper presentation by professionals, research scholars and academia. Aero expo - an exhibition is also planned at the venue for stimulating the young minds.

## Key Topics

- Systems for human rated launch vehicle
- Mass space transportation systems
- Futuristic propulsion technologies
- Aerodynamics and fluid mechanics
- Mathematical modeling and virtual testing
- Ground testing of aerospace systems
- Advances in propellant handling
- Structures and materials for aerospace
- Advanced manufacturing techniques for aerospace
- Deep space exploration and colonisation
- Systems for outer space sustainability
- Safety and reliability of aerospace systems
- Robotics, Artificial Intelligence and Data science
- Cyber security and quantum communication
- Space systems and its applications to common man
- Project management in aerospace sectors

## Call for Papers

Extended abstracts of contributed papers are invited from students, research scholars and professionals in the focused areas. Authors are requested to send the extended abstracts including problem definition, methods, results and discussion, conclusion with graphical representations, if any in Microsoft Word, not more than TWO pages in single column format, 'Calibri' font, size 12 and single line spacing (template provided in [www.issekk.in](http://www.issekk.in)) to the email id: [papers.ideas2024@gmail.com](mailto:papers.ideas2024@gmail.com) on or before 24<sup>th</sup> November, 2023.

## About Indian Society of Systems for Science & Engineering (ISSE)

Indian Society of Systems for Science and Engineering (ISSE) is a professional body for interdisciplinary collaboration of Systems Science and Engineering. ISSE is unique among the systems oriented institutions having the objective of bringing together scholars and practitioners from academic, business and R&D organisations for promoting the systems concept.

The society was started in 2010 at Vikram Sarabhai Space Centre (VSSC), ISRO with its Headquarters at Thiruvananthapuram and was formally registered under the Travancore Cochin Literary Scientific and Charitable Societies Registration Act -1995.

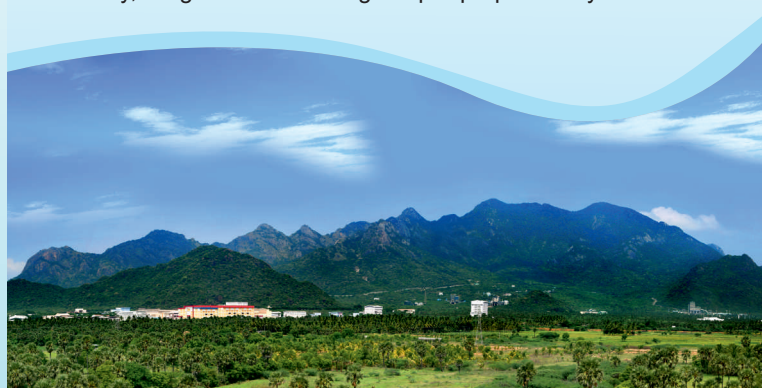
ISSE has 13 chapters across the country which are located at Thiruvananthapuram, Kochi, Bangalore, Manipal, Hyderabad, Bhubaneswar, Ahmedabad, Amaravati, Chandigarh, Sriharikota-Chennai, Trichy, Coimbatore and Kanniyakumari.

## About ISSE-Kanniyakumari Chapter

Indian Society of Systems for Science and Engineering (ISSE) Kanniyakumari Chapter was inaugurated on 3rd December, 2020. ISSE-KK spears ahead with various outreach programmes to encourage contributions by the student community.

## About Venue

ISRO Propulsion Complex (IPRC) Mahendragiri, is located near Kanniyakumari at Mahendragiri hills, Tirunelveli District, Tamil Nadu. The role of IPRC is to carry out research for the development of liquid propulsion systems both for Satellites and Satellite Launch Vehicles. IPRC is equipped with state of the art facilities for the assembly, integration and testing of liquid propulsion systems.



## About Registration

All participants shall register for the conference. For paper and poster presentation, a minimum of one among the authors per paper must register for the conference. For Registration and other details, please visit [www.issekk.in](http://www.issekk.in)  
**Registration Fee details as follows:**  
Students : ₹ 1000/-  
Academic faculty and research scholars: ₹ 2000/-  
Other delegates: ₹ 5000/-

## Sponsorship

Type	Amount	Privileges
Platinum	₹5 Lakh + GST	Business presentation (10 minutes) +5 participants + Exhibition area + Full Page advertisement in souvenir
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