

Kannada Golden Jubilee Celebrations



Kannada Samskritika Sangha (Regd.)



**Council of Scientific & Industrial Research
National Aerospace Laboratories
and
4th Paradigm Institute
Bengaluru**

National Kannada Science Conference = 2024

**“Science & Technologies for
Aerospace, Defence and Societal Applications”**

November 28, 2024

As part of KANAADA (Annual Science Magazine) Golden Jubilee celebrations, CSIR-NAL's Kannada Samskrithika Sangha (KSS) & CSIR-4PI are jointly organizing the National Kannada Science Conference-2024 (NKSC-2024) on **Science and Technologies in Aerospace, Defence and Societal Applications** on 28th November 2024.

The main aim of this conference is to provide a platform for students, researchers and scientific professionals to present their research progress and innovations in Kannada language, to a scholarly audience. This would also catalyse mutual scientific interactions and possible collaborations.

CSIR- National Aerospace Laboratories

CSIR-NAL is a high-technology oriented institution focusing on advanced disciplines in aerospace. It has several advanced test facilities, and many of them are recognized as National Facilities. The major contributions of CSIR-NAL to Aerospace, Defence and Civilian sectors include production of LCA sub-components, Testing support for ISRO's satellites and launch vehicles, design and development of civilian aircraft apart from development of 2-seater all-composite trainer aircraft HANSA and the Light Transport Aircraft SARAS. NAL is also making significant progress in the current research areas such as Drone technologies, Radomes, Stealth technologies, High Altitude Platforms (HAPS), multi-functional coatings, Shape memory materials, smart sensors, small gas turbine engines, propellers etc.,

CSIR-4th Paradigma Institute

CSIR-4PI is the youngest institute of CSIR focusing on data centric research to solve problems of societal and strategic importance. Its mission is to pioneer data-driven interdisciplinary research through state-of-the-art data science ecosystem and impactful industrial partnerships.

The institute is strategically positioned to cater to the computational and data science needs of all CSIR institutes.

The institute hosts the unique CSIR HPC, AI & ML Platform (CHAMP). The Bigdata research team focuses on strategic areas like cyber security and privacy. Interdisciplinary data science team focuses on research in Earth Science, Agriculture, Healthcare etc. through Synthesis of Modelling, Measurements and Data Analytics.

Kannada Samskritika Sangha (KSS) and KANAADA

The KSS had a humble beginning in the year 1971 when a few Kannada enthusiasts started the Sangha with a magazine library and cultural activities for its members. Later, the Sangha gained momentum when several scientists of NAL came forward to write scientific articles in Kannada language so as to reach out to the students and public in rural areas and motivate them. As a next step, the KSS invited annual scientific essays written in Kannada language from students and public by organizing science essay competitions. The prize-winning articles were published ever since along with NAL articles in the Annual Kannada Science Magazine, KANAADA, starting from the year 1975. It is a matter of pride that KSS has been consistently publishing KANAADA for the past 49 years and has gained widespread popularity in Karnataka. The year 2024-25 is a Golden Jubilee Year for KANAADA. As a value-addition to these celebrations, KSS has organized this **National Kannada Science Conference-2024** to commemorate its glorious 50 years of existence. This conference is one more step further for the growth and greater outreach of Kannada language for the propagation of science and technology.

Conference Themes

- Aerodynamics
- Structural Engineering

- Material Science and Technologies
- Propulsion Technologies
- Simulation Techniques
- Aerospace Electronics
- Micro Air Vehicle & Unmanned aerial vehicles
- Manufacturing Technologies
- Interdisciplinary Data Science
- Stealth Technologies
- Science and Technologies for Society
- Self-Reliant Technologies

Any other relevant theme based articles would also be considered

Patrons of the conference

- **Dr. N Kalai Selvi**
Director General, CSIR & Secretary DSIR
- **Dr. S Somnath**, Chairman, ISRO
- **Shri Jitendra J Jadhav**, Director, ADA
- **Dr. A S Kiran Kumar**, Former Chairman, ISRO
- **Dr. V Sameer Kamat**, Secretary and Chairman, DRDO
- **Dr. Purushottama Bilimale**, Chairman, Kannada Pradhikara

Advisory Committee

- **Dr. K Ramesha**, Director, CSIR-CECRI
- **Dr T M Kotresh**, Director, DEBEL, DRDO
- **Dr. Nagahanumaiah**, Director, CMTI
- **Prof. Jagadeesh G**, IISc
- **Dr. B H M Darukeshu**, Associate Director, ISRO
- **Dr. N Someshwara**, Doctor & Writer
- **Dr. Prahlad Rama Rao**, Former VC, DIAT

- **Shri Madhusoodana C D**, GM(R&D), BHEL
- **Dr. Vidyadhar Mudkavi**, Head (Retd.), CSIR-4PI
- **Dr. G.N Dayananda**, Outstanding Scientist (Retd.), CSIR-NAL
- **Dr. R Ramachandra Rao**, Sr. Principal Scientist, CSIR-NAL

Organizing Committee

- Chief Patron : **Dr. Abhay A Pashilkar**, Director, CSIR-NAL
- Honorary President : **Dr. Sridevi Jade**, Director, CSIR-4PI
- President : **Dr. C M Ananda**, Head, ALD, CSIR-NAL
- President (KSS) : **Dr. C.M Manjunatha**, Head, SID, CSIR-NAL
- Secretary (KSS) : **Dr. S T Aruna**, Head, DTS, CSIR-NAL
- Convenor : **Smt. Shobhavathy M T**, PRD, CSIR-NAL
- Co-convenor : **Dr. Kavitha V Rao**, ACD, CSIR-NAL
- Event Manager : **Dr. Raghavendra R**, ICAS, CSIR-NAL

Technical Committee

- Dr. S T Aruna
- Dr. N Chandra
- Dr. Sandhya Rao
- Dr. Sadananda Kulkarni
- Smt. A. Revathi
- Smt. S Kshama
- Smt. Akshatha H T
- Smt. Navaneetha S
- Smt. Swetha
- Shri Dattatraya S Kulkarni
- Smt. Nirmala Bai

Registration Fees :

Professionals : ₹ 2000/-

Students / Public : ₹ 750/-

Participation in the conference is strictly confined to registered members only.

Guidelines for preparation of Abstract & Full paper

Title font size : Nudi / Unicode 16 ; Authors' names, affiliations and full address with e-mail ID and Phone no.: Nudi / Unicode / Arial 12.

For preparing the Abstract, font size is 14, Kannada Nudi / Unicode software based ; line-spacing : 2 ; Abstract should be within 1 page.

e-mail ID for Submission of Abstract :
nalkannadasangha@gmail.com

Authors of selected articles need to register by payment of registration fees and submission of application online via the KSS website (<http://www.nal.res.in/kss.html>)

Each author can present only one article in the conference. The presentation must be in Kannada language only. Each presenter will be provided 10 +2 minutes for making the presentation.

Important Dates

Last date for submission of

Title + Abstract of the article : 10/09/2024

Last date for announcement of Article Acceptance : 15/09/2024

Last date for receipt of Full paper : 30/10/2024

Address for Communication

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Bank Details

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