

CHIEF PATRONS

Dr. Sukant K. Mohapatra

Founder & President, NIST University

Prof. Priyadarsan Patra

Vice Chancellor, NIST University

Brig. (Dr.) L C Patnaik

Ex Chairman, OPSC

GENERAL CHAIR

Dr. P Rajesh Kumar, NIST University

Col MK Yadav, AADC

G Ramesh, ISRO

PROGRAM CHAIR

Dr. Manas R. Patra, NIST University

Major Himanshu Chaudhary, AADC

Prof. Shaik Rafi Ahamed, IIT Guwahati

FINANCE CHAIR

Dr. Bishnukar Nayak, NIST University

PUBLICATION CHAIR

Dr. Ratikanta Nayak, NIST University

Lt Col Deepak Kumar Sahu, AADC

PUBLICITY CHAIR

Dr. Brojo K Mishra, Professor, NIST University

TUTORIAL CHAIR

Dr. Sandipan Mallik, NIST University

ORGANIZATION CHAIR

Dr. Sasmita Padhy, NIST University

Dr. Preeti R. Sahu, NIST University

SESSION CHAIR

Brig Jagdeep Chauhan, AADC

Brig NJ Bhattacharji, AADC

ADVISORY COMMITTEE

Dr. Fawzi Behmann, Telnet Management Consulting

Dr. Sudhir Dixit, Basic Internet Foundation, USA

K Srinivasan, IIT Madras

Anshuman Roy, Founder & CEO, Rhombus Power, USA

Kanmani Buddhi, BMS College of Engineering

Dr. Lakshminarayana Merugu, DRDO

TECHNICAL PROGRAM COMMITTEE

B. S. Panda, IIT Delhi

Venkatesh Choppella, IIIT Hyderabad

P. Vikram, IIT Tirupati

Ashutosh Dutta, Johns Hopkins University, USA

Suseel Kousic Gogineni, Walmart, USA

Milan Kumar Pal, ITR, DRDO, Chandipur

Sanjay Sarkar, MyGov India, Kolkata

Jitendra K. Samriya, IIIT Sonapat, Haryana

Anand Rath, Bangalore

Utpal Roy, Visva Bharati University

Sunil Gupta, Jaipur National University

M. Laakhmi Narayan, Hyderabad

P. Sai Ram, RVR&JC, Guntur

P. Radha Krishna, Professor, NIT Warangal

Siba K. Udgata, Professor, University of Hyderabad

Satchidananda Dehuri, Fakir Mohan University

B. Srinivas, IIT Mandi

Samrat L. Sabat, University of Hyderabad

Tridib Ranjan Sarma, Tezpur University

Sathish Krishna Anumula, IBM Corporation, Hyderabad

Ram Ratan, DRDO, Delhi

Sujata Dash, Nagaland University

Manjushree Nayak, Amity University, Raipur

Minati Mishra, FM University

M. Chinaiah, BVRIT, Hyderabad

B. Lokeshwar Rao, HITAM, Hyderabad

D. P. Mahapatra, Professor, NIT Rourkela

Alok Singh, Professor, University of Hyderabad

Saroj Kumar Meher, ISI Bangalore

Karthik Kambhampati, USA

Naresh Chhabra, Indian Navy, New Delhi

Priya Gupta, Jawaharlal Nehru University, New Delhi

Pradeep Kumar Bhale, IIIT Kancheepuram

Bhupendra Pratap Singh, Cyber Crime Prevention Centre, Delhi

Sarat K. Sahoo, PMEC, Berhampur

Sourav Kumar Bhoi, PMEC, Berhampur

B. Sanjeev Reddy, BVRIT, Hyderabad

A. Gita Devi, PVPSIT, Vijayawada

Sudhir Ranjan Pattnaik, NIST University

Sanjaya Kumar Panda, NIT Warangal

Mrutyunjaya Panda, Utkal University

Jitendra Rout, NIT Raipur

Niladri Roy, ITR, DRDO, Chandipur

Shivraj Waghmare, CDAC, Mohali

Om Prakash Singh, IIIT Bhagalpur

Dharmateja Priyadarshi Uddandaraao, Amazon, Seattle

Tushar Kanti Bera, NIT Durgapur

Bonomali Khuntia, Berhampur University

Sandipan Mallik, NIST University

Amit Kumar, Thapar Institute, Patiala

Debasis Mahapatra, Assistant Professor, PMEC Berhampur

Dhruba Charan Panda, Berhampur University

Brojo K Mishra, NIST University

Kanmani Buddhi, BMSCE, Hyderabad

M. Ganeswar Rao, SVECW, Bhimavaram

B. Suryaprasad, PVPSIT, Vijayawada

Rajesh Patjoshi, NIST University



IEEE Sponsored

International Conference

on

Air Defense and Security (ICADS-26)

(Conference with Record# 69450)

February 12th -13th, 2026



Organised by

NIST University, Berhampur

In Association with

Army Air Defence College, Gopalpur

Media Partner: NIST PR Cell

Connect With Us: @NISTUniversity

ABOUT BERHAMPUR, ODISHA:

Berhampur, often called the “Silk City” of Odisha, is a vibrant commercial and cultural hub located in the Ganjam district of southern Odisha. Known for its famous Berhampur silk sarees, rich traditions, and bustling markets, the city blends heritage with modern development. It serves as an important educational center, housing several renowned institutions and fostering a strong academic atmosphere. Situated close to the scenic Gopalpur-on-Sea and surrounded by lush landscapes, Berhampur offers a unique coastal charm. The city is also known for its diverse cuisine, festivals, and friendly communities, making it one of the most lively and welcoming cities in the region.

ABOUT NIST UNIVERSITY:

NIST University (www.nist.edu), Institute Park, Berhampur, Odisha, is a premier research institute in the country today. Nestled in the green hills of Pallur, it is spread over 65 acres of lush green campus with world-class academic infrastructure, Center of Research Excellence (CREs) and Global Innovation Centers (GICs), halls of residence, sports complex and other facilities. NIST currently offers various undergraduate, graduate, and Ph.D. programs in Engineering, Science, and Management and is expected to expand into other disciplines. NIST has research collaborations with universities around the globe and a strong industry-academia partnership with multiple industries in different sectors. NIST has been ranked highly in the country by multiple ranking organizations, including Govt. of India.

ABOUT AADC:

The Army Air Defence College (AADC), established in 1989 in Gopalpur, Odisha, is the premier training institute of the Indian Army's Corps of Army Air Defence. It provides advanced training on systems like Akash and MRSAM. With a coastal campus featuring live firing ranges, simulators, and radar labs, AADC trains personnel from the Army, Navy, Air Force, paramilitary, and allied nations. It plays a vital role in preparing Agniveers and officers, enhancing India's air defence capabilities and modernization. The institution stands as a symbol of excellence in military education and strategic training

ABOUT THE CONFERENCE:

The International Conference on Air Defense and Security (ICADS-26) aims to be a premier interdisciplinary forum for researchers, technologists, industry professionals, entrepreneurs, and policymakers to present and exchange cutting-edge advances, challenges, and solutions in the evolving landscape of defense and security. The theme is “Intelligent Defense: Securing the Future with AI, Cyber Resilience, and Next-Gen Warfare.”

The inaugural edition of ICADS will be held from **12th-13th February, 2026**, at NIST University, bringing together stakeholders from academia, government, policy makers, and industry to foster collaboration, inform policy, and accelerate innovation.

We invite original, unpublished research contributions that advance the theory, design, implementation, or application of technologies and systems across all dimensions of defense and security. Submissions may address foundational science, applied research, emerging technologies, operational frameworks, or user-centric perspectives. Accepted Papers will be published by IEEE Xplore (Approved with Record# 69450)

CONFERENCE TOPICS:

Track 1: Strategic Environment and Geopolitical Shifts

- Evolution of warfare: from conventional to hybrid and algorithmic models
- Strategic deterrence and geopolitical alignments
- Defense diplomacy and multilateral security frameworks
- Civil-military coordination in national emergencies

Track 2: Technological Innovations & Future Security

- Artificial Intelligence and machine learning in defense applications
- 5G Connectivity for Next-Gen Defence
- Autonomous systems: drones, robotics, and unmanned platforms (aerial, ground, underwater)
- Supersonic and hypersonic weapon systems
- Smart sensor networks and battlefield intelligence
- Quantum technologies in defense systems
- Electronic warfare and electromagnetic spectrum dominance

Track 3: Human Factors and Policies

- Psychological resilience in modern warfare
- National and global defense policies in the 21st century
- Simulation, AR/VR, and gamified defense training
- Human-machine teaming in combat
- Leadership in high-stress, uncertain environments

Track 4: Cyber and Information Warfare

- Cybersecurity strategies and threat intelligence
- Offensive and defensive cyber operations
- Social media manipulation and psychological operations
- Data-driven decision support and information superiority
- Cognitive warfare and narrative shaping

Track 5: Specialized Defense Domains

- Space security and counter-space operations
- Maritime domain awareness and naval innovations
- Underwater warfare and surveillance systems
- Integrated air and missile defense systems
- Tactical edge computing and real-time analytics

Track 6: Sustainability, Ethics, and Future Readiness

- Defense sustainability and energy resilience
- Ethics of autonomous weapons and AI use in combat
- Disaster response and humanitarian assistance
- Future soldier technologies and wearable systems

IMPORTANT DATES:

Full Paper & Tutorial Submission: 30th November 2025

Author Notification: 15th December 2025

Camera-ready Copies: 30th December 2025

Registration: 15th January 2026

Conference: 12–13th February 2026

REGISTRATION DETAILS:

Visit our official website to explore detailed information about the upcoming conference, including themes, speakers, schedules, and participation guidelines.

<https://www.nist.edu/conference/icads-26>

REGISTRATION FEE:

| Category | International (USD) | Indian (INR) | After Deadline |
|--|---------------------|--------------|----------------|
| Academician | 250 | 6000 | 7000 |
| Industry Participant | 250 | 8000 | 9000 |
| Students (PhD/Masters) | 150 | 4000 | 5000 |
| Students (BTech/Bachelors) | 100 | 3000 | 4000 |
| Attendees / Listener (Without paper presentation/publication) | 100 | 2000 | 2000 |

*IEEE members are eligible for a 10% reduction in registration fees.

ADDITIONAL FEES:

| Service | International (USD) | Indian (INR) |
|--|---------------------|--------------|
| Certificate for each co-author | 50 | 1000 |
| Extra Proceeding Charges per Proceeding | 100 | 1000 |
| Lunch for accompanying person (Other than Co-authors, without Conference KIT) | 100 | 1000 |
| Co-author (Conf Lunch + Conference KIT) | 150 | 1000 |

BANK ACCOUNT DETAILS:

Account Name: ICADS | Account No: 120037274664

Bank Name: Canara Bank | Branch Name: NIST University (7648)

IFSC Code: CNRB0007648 | MICR Code: 761015010