



World Space Week- 2024

4 October 2024 to 10 October 2024

4th International Conference on Environmental Management
(ICEM 2024)

Focal Theme: "Space for sustainability: Bridging the Gap with Space Technology"

04 (Friday) - 07 (Monday) October, 2024

Hyderabad, INDIA

Organized by

CENTRE FOR ENVIRONMENT-

DST- SATELLITE CENTRE FOR POLICY RESEARCH

University College of Engineering, Science and Technology

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

Hyderabad (Telangana), 500085, India

In Association with

Indian Society of Geomatics (ISG) -Hyderabad Chapter
International Society for Digital Earth – (ISDE) – India Chapter
Australia India Water Centre (AIWC)
Western Sydney University, Australia



*Release of First Circular by
Dr S.P.Somanth, Chairman ISRO, Government of India*



www.icem2024jntuh.org

From ISG Chapter Desk



Dear colleagues,

We extend a warm invitation to you from the Centre for Environment, UCEST at Jawaharlal Nehru Technological University Hyderabad, India. We are delighted to invite you to participate in the 4th International Conference on Environmental Management (ICEM2024), scheduled to take place in Hyderabad, India from October 4th to 07th, 2024.

In celebration of India's First National Space Day in 2024 and World Space Week 2024, the 4th ICEM 2024 is themed "Space for Sustainability: Bridging the Gap with Space Technology." This theme serves as a collective acknowledgment of India's noteworthy achievements and advancements in the field of space exploration.

India's First space achievement adds a unique layer of significance to our discussions, providing an opportunity to reflect on the monumental achievements of our nation in space exploration. It stands as a testament to the visionaries who laid the foundation for India's space program and the dedicated professionals who have turned those visions into reality. Success stories like the Mars Orbiter Mission, Chandrayaan missions, and the deployment of an ever-expanding constellation of satellites have not only garnered global acclaim but have also significantly contributed to the advancement of science and technology.

This International Conference is organized in collaboration with esteemed partners, including the Indian Society of Geomatics (ISG) - Hyderabad Chapter, International Society for Digital Earth (ISDE) – India Chapter, Australia India Water Centre, and Western Sydney University.

As the Conference Secretary, We are honored to witness the convergence of brilliant minds from around the globe, sharing a common passion for space exploration and its potential for sustainable development. The collective efforts during this conference will undoubtedly contribute to the global discourse on leveraging space technology to address the challenges of our ever-changing world.

May this National Space Day mark the beginning of a new era, where the spirit of exploration propels us forward, collaboration knows no bounds, and the limitless possibilities of space inspire us to reach new heights. Welcome to this momentous occasion, and together, let us make this conference a resounding success as we celebrate the First National Space Day of India.

We encourage you to circulate this information among your associates, research communities, and networks. Your efforts are highly appreciated. We eagerly anticipate your presence in Hyderabad, India, for what promises to be a meaningful and enriching conference.

Thank you and looking forward to seeing you in October 2024.

***"Look at the sky. We are not alone. The whole universe is friendly to us and
Conspires only to give the best to those who dream and work."
Dr.APJ Abdul Kalam***

Sincerely yours,

Dr. K. Mruthyunjaya Reddy
ISG Hyd Chapter Chairman
Former Group Director (PPEG) NRSC

Dr.T.Vijaya Lakshmi
ISG Hyd Chapter Secretary &
Conference Secretary- ICEM2024

Conference Themes

The conference program groups together presentations along similar themes to facilitate knowledge sharing and network building.

Topics of interest for submission include, but are not limited to:

- **Earth Observation for Environmental Sustainability:**
 - Mapping Climate Vulnerability and Risk
 - GeoSpatial Tools for Climate Change Adaptation Planning
 - Remote Sensing Applications in Climate Impact Assessment
 - Environmental Monitoring and Management through GeoSpatial Technologies
 - Disaster Risk Reduction and Response
 - Biodiversity and Ecosystem Monitoring
- **Space Technology for Sustainable Agriculture:**
 - Precision Farming with Satellite Data
 - Monitoring and Management of Water Resources
 - Remote Sensing for Crop Health and Yield Prediction
- **Space-Based Solutions for Global Connectivity and Digital Inclusion:**
 - Satellite Internet and Broadband Access
 - Bridging the Digital Divide through Space Technology
 - Innovative Satellite Communication Technologies
- **Space for Sustainable Urban Planning:**
 - Satellite Data in Urban Infrastructure Development
 - Monitoring and Mitigating Urban Heat Islands
 - Smart Cities and Space Technology Integration
- **Satellite-Based Environmental Surveillance:**
 - GeoSpatial Approaches to Pollution Tracking and Control
 - Geo AI for Sustainable Resource Management
- **AI-driven Analysis of Geospatial Data for Resource Optimization:**
 - Geo AI in Precision Agriculture and Water Management
 - Machine Learning for Geospatial Prediction Models
 - Immersive Geospatial Technologies for Public Awareness and Education
- **Digital Twins in Geospatial Technology for Sustainable Development:**
 - Creating Digital Twins for Urban Planning
 - Real-Time Monitoring of Infrastructure through Digital Twins
 - Integrating Digital Twins in Disaster Preparedness and Response
 - GeoSpatial Data Governance and Ethics for Sustainable Development
 - Privacy and Security Concerns in GeoSpatial Data Usage
 - Ethical Considerations in Geo AI and Machine Learning
 - International Collaboration in GeoSpatial Data Sharing for Global Development
- **International Collaboration for Space Sustainability:**
 - Sustainable Space Exploration and Utilization
 - Space Mining and its Environmental Impacts
 - Policy and Governance for Sustainable Space Activities
 - Space Debris Mitigation Strategies
 - International Partnerships for Space Exploration and Protection
 - Geospatial Policy
- **Ocean & Atmospheric Studies:**
 - Coastal Zone Management
 - Ocean Resources
 - Blue Economy
 - Harnessing Tidal Energy
 - Fishery and Environmental Pollution
- **And other topics of interest include:**
 - Environmental Economics
 - Environmental Impact Assessment & Management Systems (EIA & EMS)
 - Air Pollution and Water Pollution Control Technologies
 - Heavy Metal Pollution & Long-term Health Impacts of Pesticides and Agro-chemicals
 - Environmental Impacts on Agriculture and Forestry
 - Waste Disposal and Pollution
 - Waste Management & Landfill Gas
 - Environmental Conservation and Pollution Control
 - Energy Resources and Green Energy Generation Technology
 - Environmental Education Health and Sanitation (EEHS)

Call for Papers

Based on the above listed themes, the conference program will comprise of several scores of Oral and Poster presentations, chaired by internationally recognized, scientists in environmental science and technologies. The title of the themes and topics are provisional, will be revised as necessary or appropriate during the abstract review process.

Papers are invited on the above themes and topics for oral and poster presentation sessions. The details and time schedules for receipt of abstracts, acceptances and final paper receipt are as follows.

Abstracts of about 300 words along with title, author/s complete address including e-mail, and telephone contact numbers may be sent to the conference secretary. Acknowledgement regarding acceptance of abstract will be sent by e-mail.

Camera ready full length papers not exceeding **8** pages including tables, graphs, or figures prepared on Microsoft word, Times Roman , Font Size 10 (not exceeding 4 MB) should be uploaded on to theConference site, on or before **25th September 2024**. The technical committee will edit the text to suit the publication needs.

Registration

It is advised to do advance registration for the conference to avoid last minute hassle. Registration will be limited to the number that the facility can accommodate efficiently. Registration fee covers, a copy of the souvenir, abstracts, admission to all presentations and poster sessions, exhibit area, conference lunch, receptions and refreshment breaks. In addition, each full program registrant will receive a set of proceedings to be published and mailed soon after the conference.

Registration fee particulars for conference

Pre- Conference Workshop

As an effective prelude to ICEM –2024, an innovative, educative and informative workshop is planned, preceding the conference for the benefit of post graduate students and research scholars and other aspirant who are actively involved in environmental related subjects and technologies. Interested attendees are encouraged to apply early, as participation will be limited for the workshops.

*** Registration fee per workshop is INR 2000/-**

Day and Date	International day of observation	Themes and Workshop Title	Coorinator
04- 05 October 2024	4thInternational Conference on Environmental Management	"Space for Sustainability: Bridging the Gap with Space Technology"	Dr.T.Vljaya Lakshmi Asso.Prof & Chairperson Bos Coordinator- DST SPR in GST for ESD & Conference Secretary- 4th ICEM 2024
07 October 2024	Post Conference Workshop	Harnessing Geo AI and Immersive Technologies for Environmental Sustainability	

	Paid before	20th September 2024	Registration Across the desk 2024	
Delegate Registration	INR 4000/-	US \$ 300	INR 5000/-	US \$ 350
Students & Research scholars*	INR 1500/-	US \$ 50	INR 2000/-	US \$ 100

* Student registrants are not entitled to copy of proceedings, and proof must be submitted at the time of registration.

Provisional time schedules:

Last date to submit abstract	:	01 st September 2024.
Notification of paper acceptance	:	10 th September 2024.
Final papers due	:	20 th September 2024.

SPONSORSHIP OPPORTUNITIES

Platinum Sponsor : INR 6,00,000

The Sponsor's name and logo will be prominently displayed at the conference venue on the main backdrop. The company name & logo will be printed in all our promotional material. Free entry to the conference to **Eight** special invitees will be given & sponsors literature will also be inserted in the delegate kit. One presentation slot 10 minutes duration at the conference will be provided. Special listing as Platinum Sponsor of the conference in the conference publication.

Gold Sponsor : INR 4,00,000

The Sponsor's name and logo will be prominently displayed at the conference venue on the main backdrop. The company name & logo will be printed in all our promotional material. Free entry to the conference to **SIX** special invitees will be given & sponsors literature will also be inserted in the delegate kit. One presentation slot 5 minutes duration at the conference will be provided. Special listing as Gold Sponsor of the conference in the conference publication.

Silver Sponsor : INR 2,00,000

The Sponsor's name and logo will be prominently displayed at the conference venue on the main backdrop. The company name & logo will be printed in all our promotional material. Free entry to the conference to **Three** special invitees will be given & sponsors literature will also be inserted in the delegate kit. Special listing as Silver Sponsor of the conference in the conference publication.

Industry Night Reception : INR 1,50,000

The Industry Night Reception facilitates interaction amongst all the delegates, invited speakers, government officials, industry, trade and press, ensuring maximum visibility. The Sponsor's name and logo will be printed on the invitation cards. The sponsor will also get an opportunity to address the gathering at the reception.

Exhibition:

Organizations and agencies associated with environmental related activities including designers, fabricators and supply of equipment, are invited to exhibit gamut of their activities, products and equipment during the conference. Exhibitors are requested to seize the opportunity to demonstrate the coveted information to the galaxy of academic and professional audience, who urge to obtain the equipment or seek services at industrial, institutional and government locations around the world.

The Exhibition stall particulars are given below.

Stall accommodation	: 4 .0 m X 4.0 m
Tariff	: INR 50,000/- includes two participants.

Souvenir:

A Souvenir will be brought out synchronizing with the time of conference highlighting the themes, lectures, key note addresses of invited experts and relevant information about environmental management technologies. A copy is given to all registered participants. To supplement the printing charges of the souvenir, it is proposed to invite leading professionals to advertise their profiles in the souvenir. The advertisement tariff is given below.

Advertisement Tariff:

Back Cover	:	INR 30,000 /-.
Inside Back Cover	:	INR 25,000 /-.
Full Page	:	INR 15,000 /-.

Post Conference Field Trips

Post conference field trips are planned in and around Hyderabad, known as the “Pearl City” which will give an opportunity for socializing and interacting with delegates of the conference on topics of their mutual interest. Delegates are encouraged to apply early as participation will be limited for field trips.

Field Trip 1	Nagarjuna Sagar (one day)	INR 2500/-	US\$ 100
Field Trip 2	Srisailem (Two day)	INR 4000/-	US\$ 150
Field Trip 3	Hyderabad City Tour (one day)	INR 1000/-.	US\$ 75

Travel / Reception and Accommodation

The conference will be held at JNT University Hyderabad (JNTUH)– 500085., Telangana., India. For delegates Hotel rooms can be reserved by the Conference Secretariat at the City’s best Luxury /middle level hotels as per their requisition. Once the requisition is given in the registration form, advance pre-paid bookings will be entertained by conference secretariat. A list of hotels, tourist bungalows and other accommodation facilities with tariff will be posted on the web site.

Mode of Payment:

All payment in connection with ICEM-2024 can be made by any one of the following method.

- Either by Demand Draft or Cheque in favor of: Conference Secretary- ICEM2024 , payable at State Bank of India JNTUH Campus Branch, Hyderabad, India on all nationalized / scheduled banks.
- Bank Wire Transfer:

Pay to	Conference Secretary- ICEM2024
For Credit	Dr.T.Vijaya Lakshmi
Beneficiary Bank & Branch	State Bank of India, JNTUH Campus Branch, Hyderabad, India.
Beneficiary Account Name	Conference Secretary- ICEM2024
Beneficiary Account Number	42689866155
IFSC Code	SBIN0021008

- Spot, across the desk registration can be done either with Cheque, Demand Draft, and master/ visa card or by cash.

Conference Correspondence:

<u>Conference Secretary (ICEM 2024):</u> Dr.T.Vijaya Lakshmi Asso.Prof & Chairperson Board of studies- EST Coordinator- DST SPR Centre for Environment, UCEST JNT University Hyderabad (JNTUH) Kukatpally, Hyderabad, Telangana PIN: 500085 India e-mail: tatiparti@jntuh.ac.in Phone: +91-9440896661/ 9704696661	<u>Technical Coordinator (ICEM 2024):</u> Dr.A.Vamshi Krishna Reddy Assistant Professor© Centre for Environment, UCEST, JNTUH Phone: +91-9701121470 <u>Technical Assistant:</u> Mr. M.Rameshbabu, M.Tech Centre for Environment, UCEST, JNTUH Phone: +91-9704045663
--	---

Conference Web site

All the information, particulars, application forms, down-loads for registration etc can be accessed by visiting the conference web-site. The conference web site: www.icem2024jntuh.org

Scientific and Organizing Committee

4th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL MANAGEMENT	
Chairman	Dr.K. NARASIMHA REDDY Vice Chancellor, JNT University Hyderabad, India
Co-Chairman	Dr.K.Vijay Kumar Reddy, Rector, JNTUH, India
	Dr.K.Venkateshwar Rao, Registrar, JNTUH, India
Advisory Committee- ICEM, 2024	
Dr.Prakash Chauhan, Director NRSC and President ISG, India	
Mr.KSPV Pavan Kumar IFS, Spcl Secretary, Dept of IT, Govt of Assam, India	
Dr.M.Anji Reddy, Vice Chancellor AKU, AP, India	
Dr.G.V.Narasimha Reddy, Principal, UCEST, JNTUH, India	
Dr.Sanjay Ghosh, IITR	
Dr.Basant Maheswari, WSU Australia	
Sk.Md.Zaffar sadiq Mohamed Ghouse, Executive Director- Strategic Consulting & International Relations, Spatial Vision Australia	
Mr.K.S.Venkata Giri CII GBC India	
Prof Beniamino Murugante, Italy	
Dr.C.Krishna Reddy Former chairman SEAC Govt of India	
Scientific & Organizing Committee- ICEM, 2024	
Dr. Shohreh Azizi, UNESCO UNISA –Africa Chair, University of SA, South Africa	
Dr. Guiseppa Borruso, University of Trieste, Italy	
Dr. Dharma Hagera, WSU, Australia	

Dr. Komali Kantamaneni, Co-Director–UN (United Nations)-SPIDER-RSO–UK Regional Support Office, UK
Dr. W M Dimuthu Nilmini Wijeyarante, University of Kelaniya, Srilanka
Abdelgadir Abuelgasim, Rabdan Academy UAE
Dr.Dharma Hagare, Western Sydney University Australia
Dr.Moutaz Dalati, General Director of Azurite,Syria
Dr.Belal, Syria
Dr.Arup Kumar, IITG, India
Dr.VK.Verma, PSRAC, Punjab
Dr.N Ramarao, IIST, Tiruvananthapuram,India
Dr.PK Garg,IIT Gawhati, India
Dr.K.Sreenivas Raju, IRS, Anna University , India
Dr.K.A Radha Krishna, MIT, Mysore India
Col.Dr.PVGS Jayaram, India
Dr.Ganapati, VIT, Vellore, India
Ms. J Sumathi, TSPCB, Telangana India
Dr.P.Sreedevi, DRR, Hyderabad, India
Dr.Eng.CVS Kiran, R&D, Skyroot Aerospace
Mr. M.Seshagiri Rao, MD Tricadd Ltd
Mr. Sreedhar M, ESRI
Mr. Bhaskar K, Adapto Geoinformatics
Dr.I.C Das, Scientist G and Group Director, Geoscience Group NRSC India
Dr.P.Manju Sree, NRSc India
Dr.Girish Pujar, NRSC India
Dr.Poonam Sharma, SBS College, University of Delhi, India
Dr.N.Sreenivas, INCOIS
Sri.G.V. Reddy, Team Labs
Mr.Harsha Vardahn, OGC, India
Dr.P.Kesava Rao, NIRD
Dr.V.Hima Bindu, Head, CEN, IST, JNTUH, India
Dr.Vijaya Kumari, CSE, JNTUH India
Dr.Kamakshi Prasad, UCEST, JNTUH, India
Dr.Archana Giri, Associate Professor, UCESTH, JNTUH
Dr.Anitha Sheela, JNTUH India
Dr.Srinivasulu UCEST, JNTUH
Dr.Anitha Sheela, JNTUH India
Dr.OBV Ramanaiah, CSE, UCEST, JNTUH, India
Dr.Shilpa Chakra, CNST, UCEST, JNTUH India
Dr.Uma Asso.prof UCEST JNTUH
Dr.L.Saida Asso.Prof UCEST, JNTUH



4th International Conference on Environmental Management
(Oct, 04th to Oct 05th 2024)
Centre for Environment, University College of Engineering, Science and Technology
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad, (Telangana) India.

Registration form- 4 ICEM 2024

First Name	
Middle Name	
Last Name	
Designation	
Gender (M/ F)	
Affiliation / Address	
City	
State	
Country	
Pin code	
Phone (Country code – area code –number)	
Passport Details (for Foreign Delegates)	
Pass port No	
Date of Issue / Expiry	
Place of Issue	
Are you submitting / reading paper	Yes No
Paper title	
Oral / poster presentation	
Conference participant / delegate / guest, pl give details :	Yes No
First Name	
Middle Name	
Last Name	
Address for correspondence with Phone number	
	Signature

4th International Conference on Environmental Management 2024 (4 ICEM 2024)
Proforma to be completed by authors while submitting the abstract - 4 ICEM 2024 (Oct
04th to Oct 05th 2024)

1. Title of the proposed paper:

.....

2. Specify the ICEM conference code /theme:

.....

3. Specify the sub-topic (or the general aspect) to:

Which the paper relates

.....

Signature

Name (block letters).....

Address for Correspondence.....

.....

Country.....

Country Code.....

Telephone (Office).....

(Residence).....

Mobile.....

Fax.....

E-mail.....

4th International Conference on Environmental Management
(Oct, 04th to Oct 05th 2024)
Centre for Environment, University College of Engineering, Science and Technology
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad, (Telangana) India

Accommodation and Reception Request Form

- Your request will be considered once you confirm your participation by submitting duly filled in registration form along with registration fee.

Personal Particulars

First Name		
Middle Name		
Last Name		
Designation		
Gender (M/F)		
Affiliation / Address		
City		
State		
Country		
Pin code		
Phone (Country code – area code –number)		
Fax		
E-mail		
Accommodation Request		
Hotel Type	Type of Room	Tariff / Day
Luxury	Single / Double	Rs 6000- 9000/- US \$ 200
Economy	Single / Double	Rs 3000- 4500/- US \$ 100
Guest House	Sharing Basis	Rs 1500- 2000/- US \$ 50
Reception Request form	Arrival	Departure
Mode of Travel(Pl indicate)	Air /Train / Bus	Air /Train / Bus
Date / Time		
Signature		

Notes



For Further information Contact:

Dr.T.Vijaya Lakshmi

Associate Professor &

Conference Secretary- 4th ICEM 2024

Chairperson Bos,

Coordinator- DST-SPR,

Centre for Environment, UCEST

JNT University, Hyderabad.

Telangana. 500085

Email: ntuicem2024@gmail.com | tatiparti@jntuh.ac.in

Phone: +91 9440896661 | +91 9704045663