



Indian Institute of Remote Sensing
Indian Space Research Organisation
Department of Space, Govt. of India
Dehradun

iirs

IIRS Academia Meet - 2024
Remote Sensing of Earth and Beyond @2047
March 18-19, 2024

Programme at a Glance

Date	Time (hrs.)	Session/ Activity	Venue
March 18, 2024	09:00 - 09:30	Registration	Foyer, Bhaskara Auditorium
	09:30 - 10:25	Inaugural Ceremony	Bhaskara Auditorium
	10:25 - 11:00	<i>Hi-Tea</i>	Near Bhaskara Auditorium
	11:00 - 13:00	Session-1: Advances in Remote Sensing	Bhaskara Auditorium
	13:00 - 14:00	<i>Lunch break</i>	GJ Hostel/ CDF
	14:00 - 15:40	Session-2: Advances in Geospatial Intelligence	Bhaskara Auditorium
	15:40 - 16:00	<i>Tea break</i>	Near Bhaskara Auditorium
	16:00 - 16:45	Exhibition	Aryabhata Lecture Theatre
	16:45 - 18:00	Panel Discussion-1: Stakeholders' Meet	Bhaskara Auditorium
	19:00 - 20:30	<i>Cultural Evening</i>	Bhaskara Auditorium
20:30 - 21:30	<i>Dinner</i>	GJ Hostel	
March 19, 2024	09:15 - 10:55	Session-3: Space & Planetary Sciences	Bhaskara Auditorium
	10:55 - 11:15	<i>Tea break</i>	Near Bhaskara Auditorium
	11:15 - 12:55	Session-4: Sustainability and Disaster Resilience	Bhaskara Auditorium
	12:55 - 14:00	<i>Lunch break</i>	GJ Hostel/ CDF
	14:00 - 16:05	Session-5: Innovations in Geospatial Training & Education	Bhaskara Auditorium
	16:05 - 16:15	<i>Tea break</i>	Near Bhaskara Auditorium
	16:15 - 17:35	Panel Discussion-2: Opportunities Emerging from 'New Space': Industries and Start-ups	Bhaskara Auditorium
	17:35 - 18:00	Closing Ceremony	Bhaskara Auditorium
20:30 - 21:30	<i>Dinner</i>	GJ Hostel	

GJ Hostel/ CDF: 3rd Floor, Golden Jubilee Hostel/ Central Dining Facility

Inaugural Ceremony

Venue: Bhaskara Auditorium

Time: 09:30 - 10:25 hrs.

09:30 – 09:35 hrs.	Invocation and Lighting of Lamp	
09:35 – 09:40 hrs.	Welcome & Opening Remarks	Dr. R.P. Singh, Director, IIRS
09:40 – 09:45 hrs.	Release of NWH Album	Chief Guest and Guest of Honour
09:45 – 09:50 hrs.	Release of IIRS Science Portal	
09:50 – 09:55 hrs.	Release of CONTACT News letter	
09:55 – 10:00 hrs.	DLP Awards	
10:00 – 10:10 hrs.	Address by Guest of Honour	Dr. Prakash Chauhan, Guest of Honour
10:10 – 10:20 hrs.	Address by Chief Guest	Sh. Shantanu Bhatawdekar, Chief Guest
10:20 – 10:25 hrs.	Vote of Thanks	Dr. Pramod Kumar, Dean, IIRS

Closing Ceremony

Venue: Bhaskara Auditorium

Time: 17:35 - 18:00 hrs.

17:35 – 17:45 hrs.	Poster Awards	Sh. Shantanu Bhatawdekar, Scientific Secretary, ISRO
17:45 – 17:55 hrs.	Release of IIRS Publications	Dr. V.K. Dadhwal, NIAS, Bengaluru
17:55 – 18:00 hrs.	Vote of Thanks	Dr. Hari Shanker, GH, PPEG, IIRS

Day - 1 (March 18, 2024)

Session-1:		
Advances in Remote Sensing		
<i>Venue: Bhaskara Auditorium</i>		<i>Time: 11:00 - 13:00 hrs.</i>
Chair: Sh. Shantanu Bhatawdekar		
Time (hrs.)	Speaker	Theme
11:00-11:30	Sh. Nilesh M. Desai, Director, SAC, Ahmedabad	Emerging Technologies in Microwave Remote Sensing (Online)
11:30-12:00	Sh. Shantanu Bhatawdekar, Scientific Secretary, ISRO	Earth Observation Systems: Future Directions
12:00-12:30	Dr. Prakash Chauhan, Director, NRSC, Hyderabad	Highlights of Indian Space Science Exploration Programs
12:30-13:00	Dr. Jitesh Lalwani, Founder & CEO, Artificial Brain	Quantum Computing for Earth Observation

Session-2:		
Advances in Geospatial Intelligence		
<i>Venue: Bhaskara Auditorium</i>		<i>Time: 14:00 - 15:40 hrs.</i>
Chair: Dr. Prakash Chauhan		
Time (hrs.)	Speaker	Theme
14:00-14:25	Prof. dr. ir. Claudio Persello, Assoc. Prof., ITC-EOS, Univ. of Twente	Machine Learning for Geospatial Applications (Online)
14:25-14:50	Prof. Kamal Jain, Professor, IIT, Roorkee	UAV Remote Sensing: Applications & Future Trends
14:50-15:15	Dr. Novaline Jacob, Dy. Director, ADRIN, Secunderabad	Next Generation Geo-intelligence for National Security
15:15-15:40	Dr. Yogesh K. Singh, Assoc. Director, ES&EG, C-DAC, Pune	Role of High Performance Computing in Geospatial Domain: Present and Future (Online)

Panel Discussion-1		
Stakeholders' Meet to Understand the Future Training Requirements		
<i>Venue: Bhaskara Auditorium</i>		<i>Time: 16:45 - 18:00 hrs.</i>
Moderator: Dr. S. K. Srivastav		
Time (hrs.)	Speaker	Affiliation
16:45-17:00	Moderator	Opening Remarks
17:00-17:10	Sh. Bhagwati Prasad Pandey, IAS (Retd.), DG	Dr. R. S. Tolia, Uttarakhand Academy of Admn. (ATI), Nainital (Online)
17:10-17:20	Sh. Safi Ahsan Rizvi, IPS, Advisor (Mitigation)	National Disaster Management Authority (NDMA), New Delhi
17:20-17:30	Dr. Shubha Pandey, Scientist 'E'	Department of Science & Technology (DST), New Delhi
17:30-17:40	Dr. Pawan Kumar, Town & Country Planner	TCPO, Ministry of Housing and Urban Affairs (MoHUA), New Delhi
17:40-17:50	Sh. Amit Chand, Deputy Commandant, BSF	Central Armed Police Forces, Ministry of Home Affairs, New Delhi
17:50-18:00	Moderator	Closing Remarks

Day - 2 (March 19, 2024)

Session-3: Space & Planetary Sciences		
<i>Venue: Bhaskara Auditorium</i>		<i>Time: 09:15 - 10:55 hrs.</i>
Chair: Dr. R.P. Singh and Brig. Y.K. Ahuja		
Time (hrs.)	Speaker	Theme
09:15 - 09:40	Dr. Shantanu Rastogi, Head, Department of Physics & Dean, Deen Dayal Upadhyay University, Gorakhpur	Future of Astrophysics and Astrochemistry in the Interstellar Medium
09:40 - 10:05	Prof. Varun Sheel, Head, Planetary Science Division, PRL, Ahmedabad	Role of Dust and Photochemistry in Martian Climate
10:05 - 10:30	Dr. P. Senthil Kumar, Principal Scientist, National Geophysical Research Institute, Hyderabad	Planetary Tectonics and Seismicity
10:30 - 10:55	Dr. Rajesh V.J., Professor, Dept. of Earth and Space Science, IIST, Thiruvananthapuram	Significance of Terrestrial Analogues in Planetary Exploration

Session-4: Sustainability and Disaster Resilience		
<i>Venue: Bhaskara Auditorium</i>		<i>Time: 11:15 - 12:55 hrs.</i>
Chairs: Dr. V.K. Dadhwal and Dr. Krishna S. Vats		
Time (hrs.)	Speaker	Theme
11:15 - 11:40	Dr. V.K. Dadhwal, Indira Gandhi Chair Professor of Env. Sciences, NIAS, Bengaluru	Research Gaps in EO based Studies on Sustainability and Disaster Resilience
11:40 - 12:05	Dr. Krishna S. Vats, Member, NDMA	EO for Sustainability and Disaster Resilience
12:05 - 12:30	Dr. Shirish Ravan, Formerly at UNOOSA, Vienna	Enhancing Critical Contributions of EO to National & International Sustainability Initiatives: Opportunities & Challenges
12:30 - 12:55	Dr. Arijit Roy, Head, DMS, IIRS	Advances in EO based DRR: Indian Perspectives

Session-5: Innovations in Geospatial Training & Education		
<i>Venue: Bhaskara Auditorium</i>		<i>Time: 14:00 - 16:05 hrs.</i>
Chairs: Prof. Kamal Kishore Pant and Dr. S.H. Upadhyay		
Time (hrs.)	Speaker	Theme
14:00-14:25	Prof. Kamal Kishore Pant, Director, IIT, Roorkee	New Education Policy: Shaping the Higher Education in India
14:25-14:50	Prof.dr. J.I. Blanford (Justine), Univ. of Twente, The Netherlands	Geospatial education - Building Spatial Thinkers and Serving Humanity
14:50-15:15	Prof. G. Murali Krishna, Dept. of Geo-Engineering, Andhra Univ., Visakhapatnam	AI in Education: Revolutionizing Learning for the Digital Age
15:15-15:40	Col. S.K. Sarkar, Commander, FGS, CME, Pune	Importance of Geospatial Data in National Security
15:40-16:05	Dr. Shivangi Somvanshi, Director, Geospatial Knowledge Infrastructure, New Delhi	Geospatial Policy as a Driving Force to Accelerate Geospatial Training and Education in India

Panel Discussion-2 Opportunities Emerging from 'New Space': Industries and Start-ups		
<i>Venue: Bhaskara Auditorium</i>		<i>Time: 16:15 - 17:35 hrs.</i>
Moderator: Dr. Brijesh Kumar Soni, Deputy Director, PD, IN-SPACE		
Time (hrs.)	Speaker	Theme
16:15-16:25	Moderator	Enabling a New Space Paradigm: Opportunities for Industries and Start-ups
16:25-16:35	Dr. Abhishek Chauhan, iDEX	Recent Innovations in Geospatial Tech. for Defence Sector
16:35-16:45	Sh. Pramod Kaushik, President, AGI	Geospatial Technologies: Opportunities for Industries and Start-ups (Online)
16:45-16:55	Dr. Neeta Trivedi, Inferigence Quotient (Online)	Remote Sensing, Imaging Platforms and its Associated Applications: New Opportunities
16:55-17:05	Sh. Kuldeep Kumar, Vice President, HDFC ERGO	Prospects of using Geospatial Technologies in Insurance Sector (Online)
17:05-17:15	Sh. Radha Krishna Kavuluru, Dhruva Space	Recent Innovations by New Age Space Companies
17:15-17:25	Dr. Rahul Raj, Pixxel India Ltd.	Upcoming Remote Sensing based Sensors: Opportunities Emerging from 'New Space'
17:25-17:35	Dr. Suvrat Kaushik, GarudaUAV Soft Solutions Pvt. Ltd.	UAV Remote Sensing and its Associated Downstream Applications: Recent Innovations