



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



**IIRS Academia Meet - 2020**  
**Capacity Building in Emerging Remote Sensing Technologies:  
 Requirements and Opportunities**

March 03, 2020

**Registration:** 08:45 - 09:20 hrs (Venue: IIRS Security Gate)

Programme at a Glance				
09:30 - 10:30 hrs	11:00 - 13:00 hrs	14:00 - 14:30 hrs	14:30 - 16:00 hrs	16:15 - 17:00 hrs
<b>Inaugural Ceremony</b> (Venue: Bhaskara Auditorium)	<b>Plenary Session - 1</b> (Venue: Bhaskara Auditorium)	<b>Exhibition</b> (Venue: In front of Bhaskara Auditorium)	<b>Plenary Session - 2</b> (Venue: Bhaskara Auditorium)	<b>Panel Discussion</b> (Venue: Bhaskara Auditorium)

Tea: 10:30-11:00 hrs, 16:00 - 16:15 hrs, 17:00 - 17:30 hrs (Venue: Adjacent to Bhaskara Auditorium)  
 Lunch: 13:00 - 14:00 hrs (Central Dining Facility)

Inaugural Ceremony (09:30 - 10:30 hrs) (Venue: Bhaskara Auditorium)	
09:30 - 09:35 hrs	Invocation and Lighting of Lamp
09:35 - 09:45 hrs	Welcome & Opening Remarks <i>Dr. Prakash Chauhan</i> Director, IIRS
09:45 - 09:50 hrs	IIRS Outreach Award Ceremony <i>By Chief Guest</i>
09:50 - 10:00 hrs	Address by Guest of Honour <i>Dr. A. Senthil Kumar</i> Director, UN-CSSTEAP
10:00 - 10:10 hrs	Address by Guest of Honour <i>Shri Dipankar Chowdhury, IAS</i> Commissioner, DST & Biotechnology, Govt. of West Bengal
10:10 - 10:25 hrs	Address by Chief Guest <i>Prof. Rakesh Kumar Sharma</i> Vice Chancellor, Graphic Era (Deemed to be University), Dehradun
10:25 - 10:30 hrs	Vote of Thanks <i>Dr. S. K. Srivastav</i> Dean (Academics), IIRS
10:30 hrs	Inauguration of Exhibition by Chief Guest & Group Photograph (Venue: In front of Bhaskara Auditorium) followed by Hi-Tea

Plenary Session - 1 (11:00 - 13:00 hrs) Capacity Building Initiatives & Opportunities in Emerging Remote Sensing Technologies and Applications (Venue: Bhaskara Auditorium)	
<b>Co-Chairs:</b> <i>Prof. M.P.S. Bisht</i> , Director, USAC & <i>Prof. Dharmendra Singh</i> , IIT-Roorkee <b>Rapporteur:</b> <i>Dr. R. S. Chatterjee</i> , IIRS	
11:00 - 11:05 hrs	Opening Remarks <i>Co-Chair(s)</i>
11:05 - 11:25 hrs	Earth Observation and capacity building programmes of ISRO <i>Dr. K. R. Manjunath, EDPO, ISRO HQ</i>
11:25 - 11:40 hrs	Microwave remote sensing data processing & applications <i>Prof. Dharmendra Singh, IIT-Roorkee</i>
11:40 - 11:55 hrs	High-resolution remote sensing & photogrammetry applications <i>Dr. Novaline Jacob, ADRIN</i>
11:55 - 12:10 hrs	Hyperspectral remote sensing data processing & applications <i>Dr. Bimal Bhattacharya, SAC</i>
12:10 - 12:25 hrs	LiDAR data processing and applications <i>Dr. Hina Pande, IIRS</i>
12:25 - 12:40 hrs	Advances in remote sensing data processing <i>Shri Vinod Bothale, NRSC</i>
12:40 - 12:45 hrs	Capacity Building programmes of IIRS <i>Dr. S. K. Srivastav, IIRS</i>
12:45 - 12:50 hrs	Capacity Building programmes of SAC <i>Dr. S. P. Vyas, SAC</i>
12:50 - 12:55 hrs	Capacity Building programmes of IARI <i>Dr. Joydeep Mukherjee, IARI</i>
12:55 - 13:00 hrs	Discussion & Concluding remarks by Co-Chair(s) followed by Lunch

**Exhibition (14:00 - 14:30 hrs)**  
(Venue: In front of Bhaskara Auditorium)

**Plenary Session - 2 (14:30 - 16:00 hrs)**  
**Geodata Processing & Analytics: Opportunities in Geospatial industry**  
(Venue: Bhaskara Auditorium)

**Co-Chairs:** Prof. M. V. Ramana, Head, LAPD/ECSA, NRSC & Shri Ujaval Gandhi, Spatial Thoughts

**Rapporteur:** Dr. Harish Karnatak, IIRS

14:30 - 14:35 hrs	Opening Remarks	Co-Chair(s)
14:35 - 14:50 hrs	Google Earth Engine for planetary scale decision support	Shri Ujaval Gandhi, Spatial Thoughts
14:50 - 15:05 hrs	Advanced geodata analytics	Shri V. S. S. Kiran, Esri India
15:05 - 15:20 hrs	Big geodata management and analytics	Shri Ashish Arora, Hexagon India
15:20 - 15:35 hrs	Emerging remote sensing technologies for crop insurance	Dr. Sudhakar Manda, Skymet Weather Services Pvt. Ltd.
15:35 - 15:50 hrs	Drones for worksite intelligence	Mr. Abhyudaya Saxena, Aarav Unmanned Systems
15:50 - 16:00 hrs	Discussion & concluding remarks by Co-Chair(s) followed by Tea	

**Panel Discussion (16:15 - 17:00 hrs)**  
**Capacity Building in Emerging Remote Sensing Technologies: Requirements & Opportunities**  
(Venue: Bhaskara Auditorium)

**Moderator:** Dr. R.R. Navalgund, Former Vikram Sarabhai Distinguished Professor, ISRO

**Panelists:**

Shri Dipankar Chowdhury, IAS, Commissioner, DST & Biotechnology, Govt. of West Bengal

Dr. A. Senthil Kumar, Director, CSSTEAP

Dr. Vinod Bothale, Dy. Director, NRSC

Prof. M.P.S. Bisht, Director, USAC

Dr. M. Senthamil Selvi, Prof. & Head, Sri Ramakrishna Engg. College, Coimbatore

Shri Ashish Arora, Hexagon India

Dr. Prakash Chauhan, Director, IIRS

16:15 - 16:25 hrs	Summary of Plenary Sessions	Rapporteurs
16:25 - 16:55 hrs	Remarks by Panelists and Open Discussion	
16:55 - 17:00 hrs	Vote of Thanks	Shri C. M. Bhatt, IIRS
17:00 - 17:30 hrs	Tea & Networking	