

# 2<sup>nd</sup> INTERNATIONAL CONFERENCE ON UNMANNED AERIAL SYSTEMS IN GEOMATICS - 2021

02-04 April 2021, India

## Conference *Schedule*

Day 1 (April 2nd)		Parallel Session
Inaugural Ceremony and Inauguration of Exhibition	9:30 AM to 10:45 AM	
<b>Break</b>	<b>10:45 AM to 11:10 AM</b>	
Keynote Lecture by Dr. Yongjun Zhang, Dean of School of Remote Sensing and Information Engineering, Wuhan University, China	11:10 AM to 11:40 AM	
Keynote Lecture by Dr. Biswajeet Pradhan, Director, CAMGIS, University of Technology Sydney, Australia	11:45 AM to 12:30 PM	
<b>Break</b>	<b>12:30 PM to 2:00 PM</b>	

Special Session on <b>UAV applications in water resources</b> Chaired by Dr. Sanjay Jain	2:00 PM to 3:45 PM	
<b>Break</b>	<b>3:45 PM to 4:00 PM</b>	
<b>Plenary Session on Theme "UAVs for Environment"</b>	4:15 PM to 6:15 PM	Technical Session I
<b>Day 2 (April 3rd)</b>		<b>Parallel Session</b>
Keynote Lecture by Dr. Goutam Chattopadhyay, Senior Scientist, NASA Jet Propulsion Laboratory, California, USA	9:00 AM to 10: 00 AM	
<b>Plenary Session on Regulations and Requirements</b>	10:00 AM to 12:00 Noon	
	10:00 AM to 12:00 Noon	<b>Technical Paper Session II</b>
<b>George Everest UASG Lecture</b> by D.N. Pathak, Director Survey (Air) & Delhi GDC Survey of India	12:10 Noon to 1:00 PM	
<b>Break</b>	<b>11:45 AM to 12:00 Noon</b>	
<b>Plenary Session on UAV Algorithms and Analytics</b>	2:00 PM to 3:30 PM	
	2:00 PM to 4:00 PM	<b>Technical Paper Session III</b>
<b>Break</b>	<b>3:45 PM to 4:15 PM</b>	
Keynote Lecture by Dr. Dheeraj Kumar, Professor Geomatics Engineering, Indian Institute of Technology, Dhanbad, India	4:15 PM to 5:15 PM	
Keynote Lecture by Dr. Ayman F. Habib, Co-Director CE- CAUSE, Purdue University, Indiana, USA	5:30 PM to 6:30 PM	
Keynote Lecture by Dr. Mozhdeh Shahbazi	6:30 PM to 7:00 PM	
<b>Day 3 (April 4th)</b>		<b>Parallel Session</b>
Special Session by Dr. Kamal Jain over UAV Photogrammetry	9:00 AM to 09: 30 AM	

"Raveneye Geospatial Private Limited : An emerging start-up in Geospatial Arena"	9:30 AM to 10:00 AM	
UAV for e-Governance in India by Vishnu Chandra, Deputy Director General & Head of Group (Geo-Spatial Technology and Services Division), MeitY, Govt. of India	10:00 AM to 10:45 AM	
<b>Break</b>	<b>10:45 AM to 11:00 AM</b>	
	11:00 AM to 1:00 PM	<b>Technical Paper Session IV</b>
Special Lecture on <b>UAVs in Architecture and Planning</b>	12:00 Noon to 1:00 PM	
<b>Break</b>	<b>1:00 PM to 2:00 PM</b>	
	2:00 PM to 3:00 PM	Keynote Lecture by Dr. Sisi Zlatanova, President ISPRS TCIV, Spatial Information Science Head GRID, UNSW, Sydney, Australia
Plenary Session on <b>UAV Application and Practices</b>	2:00 PM to 4:00 PM	
<b>Break</b>	<b>4:00 PM to 4:15 PM</b>	
Valedictory Ceremony, Awards Distribution, Vote of Thanks	4:30 PM to 5:30 PM	

## Plenary Speaker

<b>UAVs for Environment</b>
<b>Lance R. Brady, Chief, National UAS Project Office, US Geological Survey, USA</b>
<b>Rabi. N Sahoo, Principal Scientist, Division of Agricultural Physics, Indian Agricultural Research Institute, New Delhi (IARI), India</b>
<b>Ram Avtar, Faculty of Environmental Earth Science, Hokkaido University, Japan</b>
<b>Anupam Anand, Evaluation Officer, Independent Evaluation Office, Global Environment Facility, USA</b>

**Bryan Mark, Professor, and State Climatologist, Department of Geography & Byrd Polar and Climate Research Center, Ohio State University, USA**

**László Bertalan, Assistant Lecturer at Department of Physical Geography of Physical Geography and Geoinformatics, University of Debrecen, Hungary**

**Vinod Kumar, Founder & CEO, Senseacre Labs LLP**

### **UAV Regulations and Requirements**

**Dr. M.k. Munshi, Chair Person Open Geospatial Consortium (OGC) India Forum, India**

**Amber Dubey, Joint Secretary, Ministry of Civil Aviation, Government of India, India**

**Col (Ret) Stephen P. Luxion, Executive Director, ASSURE FAA Center of Excellence for UAS, USA**

**Dr. P.S. Acharya, Head & CEO, NSDI Division, Department**

**Mrs. Sonet Kock, Founder and Managing Director of AviComply (Pty) Ltd**

### **UAV Analytics and Algorithm**

**Dr. Dharmendra Singh, Professor ECE & Head, Department of Computer Science and Engineering, Indian Institute of Technology Roorkee**

**Dr. S.N. Omkar, Chief Research Scientist, Unmanned Aerial Vehicle Lab, Indian Institute of Sciences, Bangalore, India**

### **UAV Application and Practices**

**Prakash Chauhan, Director, Indian Institute of Remote Sensing – Indian Space Research Organisation (ISRO), India**

**Mr. Amit Kumar Sinha, CEO Information Technology Development Agency, Uttarakhand, India**

**Dr. Lokesh Sinha, Director, Defence Geoinformatics Research Establishment - DRDO, Chandigarh, India**

**Dr. Narayan Panigrahi, Group Director, Centre for Artificial Intelligence & Robotics, DRDO, India**

**Mr. P.L.N. Raju, Director, North Eastern Space Application Centre- ISRO, India**

**Dr. Mila Koeva, Assistant Professor, Faculty of Geo-Information Science and Earth Observation (ITC), University of Twente, Netherlands**

**Major General Manoj Kumar Bindal, Executive Director, National Institute of Disaster Management, Ministry of Home Affairs, Gol, India**

**Rajeev Kumar Vishnoi, Director (Technical), THDC India Limited, India**

### **UAV in Architecture and Planning**

**Shikha Jain, DRONAH, India**

**Ajay Khare, Professor, Deptt. of Conservation, School of Planning and Architecture, Bhopal, India**

**Kailasa Rao, Professor, Department of Architecture, School of Planning and Architecture, Vijayawada**

### **UAV applications in water resources**

**Sanjay Kumar Jain, Scientist 'G', National Institute of Hydrology Roorkee, Roorkee, India**

**Raaj Ramasankaran, Associate Professor, Department of Civil Engineering, Indian Institute of Technology Bombay**

**Skthivel Beemaraja, Independent Consultant in the field of Hydrology, India**