

## REGISTRATION FEE

Participants	Before September 15, 2018		After September 15, 2018	
	India	Foreign	India	Foreign
Regular Delegate	INR 10000	USD 300	INR 11000	USD 320
ISRS Life Members	INR 8000	USD 200	INR 9000	USD 250
Full time Students/ seniors	INR 5000	USD 150	INR 5500	USD 160
Per day Registration	INR 3000	USD 100	INR 3300	USD 110
Accompanying Person	INR 5000	USD 100	INR 5500	USD 110
Tutorial only (Regular Delegate)	INR 3000	USD 60	INR 3500	USD 75
Tutorial only (Students)	INR 1500	USD 30	INR 1750	USD 35

**Note:** Registration is mandatory for the paper submission and preferably paid by 15<sup>th</sup> of September, 2018. Also there is no registration cancellation refund.

## ISPRS TC V Officers

A Senthil Kumar, President, ISPRS TC V, India  
 P.L.N. Raju, Vice President, ISPRS TC V, India  
 S.P. Aggarwal, Secretary, ISPRS TC V, India  
 Anjana Vyas, Chair WG V/I, India  
 Igor Musikhin, Chair, WG V/II, Russia  
 Sultan Kocaman, Chair WG V/III, Turkey  
 Ansgar Brunn, Chair WG V/IV, Germany  
 Krzysztof Sterenczak, Chair WG V/V, Poland  
 Ana I. Prados, Chair, WG V/VI, USA  
 Vladimir A. Seredovich, Chair WG V/VII, Russia  
 Chao-Hung Lin, Chair WG V/VIII, Taiwan  
 Peter Tian-Yuan Shih, Co-Chair WG V/I, Taiwan  
 Grazia Tucci, Co-Chair WG V/I, Italy  
 Maria Grazia D'Urso, Co-Chair WG V/II, Italy  
 Magsad Gojmanov, Co-Chair WG V/III, Azerbaijan  
 Sameer Saran, Co-Chair WG V/III India  
 Zhipeng Gui, Co-Chair WG V/IV, China  
 Berk Anbaroglu, Co-Chair WG V/IV, Turkey  
 Ivan Detchev, Co-Chair WG V/V, Canada  
 Cemal Özgür Kivilcim, Co-Chair WG V/V, Turkey  
 S.K. Srivastav, Co-Chair, WG V/VI, India  
 Hilce Ferreira, Co-Chair, WG V/VI, Brazil  
 Gottfried Konecny Co-Chair WG V/VII, Germany  
 Karel Vach, Co-Chair WG V/VII, Czech Republic  
 Helena Mitasova, Co-Chair WG V/VIII, USA  
 Lalu Muhamad Jaelani, Co-Chair WG V/VIII, Indonesia

## SYMPOSIUM VENUE

The symposium venue is planned at Indian institute of Remote Sensing, Indian Space Research Organization, Dehradun. It is about 25 kms from Dehradun airport and 5 Kms away from railway station. Nearby hotels and service apartments will be blocked for the delegates of the symposium with reasonable tariff. Details will be uploaded shortly at symposium website: <http://tc5-symposium2018.isrs-india.org>

## THE CITY OF DEHRADUN

Dehradun is the capital city of Uttarakhand, a state in the northern part of India. It is in Doon Valley and situated on the foothills of the Himalayas nestled between the river Ganges on the east and the river Yamuna on the west. The city is famous for its picturesque landscape and slightly milder climate and provides a gateway to the surrounding region. It is well connected and in proximity to Himalayan tourist destinations such as Mussoorie, and Auli.



The city hosts training institutions of national importance and hub of education in the entire country. The tourist destinations can be divided into four or five areas: nature, sports, sanctuary, museums and institutions. The nearby hill stations are well known for their natural environment, temples for its faith dimensions, sanctuary for animal and bird lovers. Hill stations include Mussoorie, Sahastradhara, Chakrata, and Dakpathar. The weather at Dehradun during the symposium will be very pleasant.

## ABOUT ORGANIZERS

Indian Society of Remote Sensing (ISRS) established in 1969, is the largest Remote Sensing professional society with 5000 +members. It has 26 Chapters and brings out peer reviewed journal publications monthly with Springer. ISRS is now Category 8 Ordinary Member of International Society of Photogrammetry and Remote Sensing (ISPRS).

Indian Institute of Remote Sensing, a unit of Indian Space Research Organisation (ISRO) is a premier institute for research, training and education in the field of Remote

Sensing, Geoinformatics and GPS Technology for Natural Resources, Environmental and Disaster Management which was established in the year 1966.

ISPRS ([www.isprs.org](http://www.isprs.org)), ISRS ([www.isrs-india.org](http://www.isrs-india.org)) and IIRS ([www.iirs.gov.in](http://www.iirs.gov.in)) websites may be referred for further details.

## TRAVEL GRANT BY ISPRS FOUNDATION

The ISPRS Foundation provide travel Grants to enable young authors, distinguished speakers, and officially designated Delegates, especially from developing countries, to participate in ISPRS sponsored events and in forums promoting international cooperation, advancements and benefits of the P&RS&SI sciences. Generic travel grant application form is available in following website ([http://www.isprs.org/foundation/PDF/Generic\\_application\\_form\\_for\\_travel\\_grants\\_2017.pdf](http://www.isprs.org/foundation/PDF/Generic_application_form_for_travel_grants_2017.pdf))

## NOTICE TO PARTICIPANTS

It shall be the responsibility of the participants to ensure themselves with appropriate insurance cover. Neither ISRS nor ISPRS shall be responsible for any damage caused to participants while attending the Symposium.

## SYMPOSIUM WEBSITE

<http://tc5-symposium2018.isrs-india.org>

## SYMPOSIUM ORGANISING CONTACTS

### A. Senthil Kumar

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### Sameer Saran, Organizing Secretary,

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# ISPRS TC V MID-TERM INTERNATIONAL SYMPOSIUM GEOSPATIAL TECHNOLOGY – PIXEL TO PEOPLE

DEHRADUN, INDIA  
NOVEMBER 20 - 23, 2018

Organized by:

ISPRS Technical Commission V  
Indian Society of Remote Sensing



Hosted by:

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

## SYMPOSIUM AND TECHNICAL SESSIONS

**International Society for Photogrammetry and Remote Sensing (ISPRS) Technical Commission V Mid-term International Symposium on “Education and Outreach” Theme-Geospatial technology – Pixel to People** will be held in **Dehradun, India, during November 20 - 23, 2018**. The symposium will include plenary sessions, technical sessions, pre-symposium tutorials, social activities, side meetings, exhibitions, etc.

The mid- term International Symposium will provide a inter-disciplinary platform for experts, scholars and practitioners to present the latest developments and applications, discuss cutting-edge technologies, exchange research ideas, and promote international collaboration in the field of remote sensing. The Symposium will brainstorm particularly on education and outreach. Around **150-200 participants** from around the world are expected to join in this international academic event.

Contributors are invited to submit abstracts and papers on all Technical Sessions within the fields of Geospatial Science & Technology, including (but not limited to)

### WG V/1: Multi-level education and training

- Learning pedagogy innovations in Geoinformatics
- Curriculum development at National and International level and education modules
- Best practices for multi-level education and training
- MOOCs & Online Content Delivery Mechanism
- Learning through simulation and gaming
- Contest of CATCON innovative software tools by young professionals

### WG V/2: Promotion of International Collaborative Education

- Joint and collaborative Cross-border Education programs and Services
- Best practices of International Joint Education Programs
- New educational theories, methodologies and advanced technologies through new curricula development

### WG V/3: Regional Collaboration in Citizen Science using Geospatial Technology

- Citizen Science approaches in geoinformatics
- Geo-processing tools and technologies in citizen science
- Data quality assurance and data verification
- Integration of Web 2.0 / mobile technologies
- Data, metadata and ownership
- Data fusion and mashup algorithms
- Geo-gamification
- Open data, standards, interoperability and FOSS4G
- Collaborative citizen science projects at regional level

### WG V/4: Web-based Resource Sharing

- Web-based resources in geoinformatics
- Online platform for discovery, sharing and geoprocessing
- Open source software for resource sharing
- Geoportals and Geoplatforms for resource sharing
- Open data and open source material
- Innovative tools like social networking, GeoRSS feeds etc.

### WG V/5: Promotion of the Profession to Young People

- Advances in Photogrammetry, Remote Sensing and Spatial Information Science for students and young researchers
- Promotion of international cooperation and social cohesion among the youth
- Promote innovative research among young researchers
- Open data accessibility
- International mobility of students and young researchers through multi-level Networking initiatives
- Platforms for broader and more efficient involvement of youth into ISPRS activities

### WG V/6: Distance learning- Education and Training Services

- Tools and Techniques in distance learning
- E-learning
- Capacity building activities at different levels
- Open data services
- Geo-platforms for capacity building

### WG V/7: Innovative Technologies in Training Civil Engineer and Architects

- Innovative Geospatial technologies in Civil, Town Planning and Architecture
- DEM for construction design
- Building Information Modeling (BIM) and 3D City Models
- Environmental Impact Assessment
- Geospatial technology for smart city design and planning
- Geospatial Technology for structure inventory and certification

### WG V/8: Promotion of Open Source on Geospatial Technology

- Open source platforms for learning
- Free and Open Source software for Geospatial Application (FOSS4G)
- OGC and open standards
- FOSS4G for g-governance
- Open source for big data analytics

- Open APIs
- Customized solution using FOSS4G

## PROPOSED SESSIONS

### Innovative approaches in education and outreach for natural resources management

- Agriculture and Soils
- Forestry and Environment
- Geology and mineral resources
- Marine and coastal
- Water Resources and Cryosphere

### Innovative approaches in education and outreach for Atmosphere, Ocean, Weather and Climate

- Atmospheric parameter retrieval and modeling
- Weather monitoring and modeling
- Ocean applications
- Climate Change and its impact

### Innovative approaches in education and outreach for disaster monitoring, damage assessment and risk reduction

- Hydro-meteorological
- Geological
- Environmental

### Innovative approaches in education and outreach for infrastructure and development planning

- Infrastructure mapping and development planning
- Urban and regional planning and smart city planning
- Rural development planning

### Capacity building in emerging trends

- Advanced EO sensors and data processing: Optical, Thermal, Microwave & Lidar
- Data acquisition and cloud computing
- UAV data processing and applications
- Big data analytics
- Cultural heritage mapping and monitoring
- Health GIS services
- Social media mining and social networking analytics
- Data mining and machine learning algorithms

### Capacity building for Utilization of bio-resource national databases

- Web resource sharing on bio-resource database
- Modeling tools and approaches in distributed environment

- Citizen centric approach for end-user data collection and species identification
- Linkage of species datasets with online thematic services

## IMPORTANT DATES

Important dates for Papers of **Archives** - based on abstract review and **Annals** - based on double-blinded peer-review will be as follows:

### ISPRS Archives

- Deadline for submission of abstracts : June 1, 2018
- Notification to authors of acceptance of abstracts: August 15, 2018
- Deadline for submission of camera ready manuscript of full papers: September 30, 2018

### ISPRS Annals

- Deadline for submission of full papers: June 1, 2018
- Notification to authors of acceptance of paper: August 31, 2018
- Deadline for submission of camera ready manuscript of full papers: September 30, 2018

## AWARDS

ISPRS TC V will confer “Best Author Award” and “Best Poster Award” to encourage young authors who are less than 35 years of age and are first authors of a high quality paper presented in oral and poster sessions respectively.

## INDUSTRY PARTICIPATION

Opportunity will be provided to the industry for their participation and to showcase the latest developments in tools and services during the symposium.

## EXHIBITION

Exhibition space will be provided for the scientific Departments / Institutions / Mapping Organizations etc. to showcase their research outputs / organization activities / products and services.

## INTERACTIVE SESSIONS

Interactive parallel sessions will be arranged for scientific presentations as part of the symposium

## PRE-SYMPOSIUM TUTORIALS

ISPRS TC V will be organizing 3 pre-symposium tutorials on the following topics:

- Big Data Analytics
- Ground based 3D Modeling (Close Range Photogrammetry & TLS)
- Citizen Science for Agricultural Productivity