



**THE INTERNATIONAL  
SOCIETY FOR  
PHOTOGRAMMETRY  
AND REMOTE  
SENSING**



**information from imagery**

**The ISPRS Profile**

## What is ISPRS?

The International Society for Photogrammetry and Remote Sensing is a non-governmental organisation devoted to the development of international cooperation for the advancement of photogrammetry, remote sensing and spatial information sciences and their applications. The Society operates without any discrimination on grounds of race, religion, nationality, or political philosophy. Established in 1910 by Professor Eduard Doležal from the Vienna University of Technology, Austria, ISPRS is the oldest international umbrella organisation in its fields, which may be summarized as addressing "information from imagery."

Except for interruptions during World Wars I and II, the Society has carried on its activities continuously since its foundation. These activities culminate every four years at the International Congress on Photogrammetry and Remote Sensing. The Congress includes the presentation of scientific and technical papers, technical tours, scientific and commercial exhibits, meetings to conduct the business of the Society, and a social programme.



*Prof. Eduard Doležal  
founded the ISPRS in  
Vienna on 4th July 1910*

## How does ISPRS Communicate?

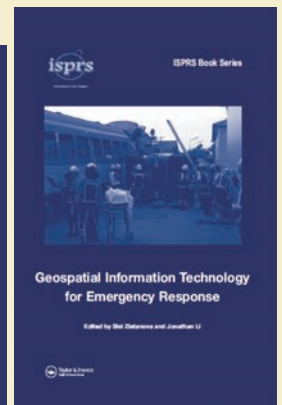
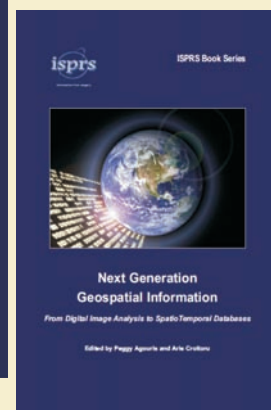
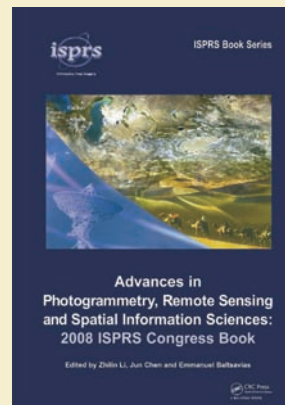
Publications of ISPRS are in seven categories:

1. The **International Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences** contain selected peer-reviewed scientific contributions of ISPRS Congresses, Symposia and a number of Conferences and Workshops. The series was newly established in 2012.
2. The **International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences** contain the proceedings and the scientific and technical presentations of all ISPRS Congresses, Symposia and selected Conferences and Workshops.
3. The **ISPRS Journal of Photogrammetry and Remote Sensing** is the official peer-reviewed publication of the Society on photogrammetry and remote sensing. It is published twelve times per year and contains scientific and technical articles and reviews.
4. The **ISPRS International Journal of Geo-Information**, an international scientific open access journal on geo-information, is the official peer-reviewed publication of the Society on geo-information. It is published online every three months.
5. The **ISPRS eBulletin** is the official bulletin of the Society, published and distributed electronically about every two months. It contains such items as current news, membership information, references to the ISPRS Annual Reports, reports from ISPRS activities, keynote speeches, book, project and technology reviews, and minutes of Council and Technical Commission meetings.
6. The **ISPRS Book Series** includes high quality refereed papers from ISPRS Congresses, Symposia or Workshops, to provide information to a wider international audience.
7. The **ISPRS web site [www.isprs.org](http://www.isprs.org)** contains a large part of the material from the above information sources.

## Role of ISPRS

The principal activities of ISPRS are:

1. Stimulating the formation of national or regional Societies of the Photogrammetry, Remote Sensing and Spatial Information Sciences.
2. Initiating and coordinating research in photogrammetry and remote sensing and spatial information sciences.
3. Holding international Symposia and Congresses at regular intervals.
4. Ensuring worldwide circulation of the records of discussion and the results of research by publication of the International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences.
5. Encouraging the publication and exchange of scientific papers and journals dealing with the photogrammetry, remote sensing and spatial information sciences.
6. Represent the interests of ISPRS members and promote the science of Photogrammetry, Remote sensing and Spatial Information Sciences at international fora such as Committees and organisations of the United Nations, The Group on Earth Observations (GEO), The International Council for Science (ICSU) and the International Organisation for Standardisation (ISO).



A screenshot of the ISPRS website homepage. The header features the ISPRS logo and the text 'International Society for Photogrammetry and Remote Sensing'. Below the header is a navigation menu with links to Home, The Society, Members, Commissions, Documents, Publications, Education, Calendar, Links, and ISPRS Foundation. The main content area includes a 'Table of Contents' sidebar, a central banner with a satellite image and the text 'The ISPRS membership comprises national organisations and professional Societies representing over 100 nations and regions covering all continents.', and a right sidebar with links to Beijing Declaration, ISPRS Student Consortium Newsletter, PHOTOGRAMMETRY &amp; REMOTE SENSING, ISPRS Highlights, ISPRS Prospectus, ISPRS Video, ISPRS Mailing list, and History.

# information from imagery

## Technical Commissions

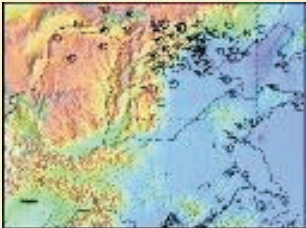
The technical commissions are responsible for the scientific activities of ISPRS and cover all aspects of ISPRS science. Each Commission has several working groups which are responsible for particular topics within the Commissions' areas of responsibility. Full details can be found in: [http://www.isprs.org/technical\\_commissions/default.aspx](http://www.isprs.org/technical_commissions/default.aspx)

### **Commission I - Sensors and Platforms for Remote Sensing**



Design and realization of digital aerial and spaceborne missions for Earth observation including design and calibration of sensors and integration of imaging and non-imaging sensors with other relevant systems; integrated platform guidance, navigation, positioning and orientation; issues relating to transmission, recording and processing data and transfer standards.

### **Commission II - Theory and Concepts of Spatial Information Science**



Fundamentals of spatial database design, spatial analysis, spatial querying, spatial reasoning, spatial and temporal modeling; system integration and modeling aspects for data and geoinformation processing; interoperability of heterogeneous spatial information systems; visualization of spatial data; spatial data quality and spatial model quality.

### **Commission III - Photogrammetric Computer Vision and Image Analysis**



Algorithms for geometric analysis of image data regardless of scale; automated feature and attribute extraction techniques and methodologies from multi-sensor, multi-resolution, multi-spectral, hyperspectral, and multi-temporal imagery; image understanding for object detection, recognition, identification and reconstruction; DEM generation; sensor pose determination.

### **Commission IV - Geospatial Databases and Location Based Services**



Development, access and management of spatio-temporal databases; Spatial data infrastructures; distributed archives and access to remote data sources, including metadata and digital data standards; web based data systems; data capture and updating; database generation for digital topographic and thematic mapping from large scale urban to global scales; extraterrestrial mapping and spatial information systems;

### **Commission V - Close-Range Imaging, Analysis and Applications**



Systems and algorithms for real-time imaging, mobile mapping and video processing; photogrammetric vision metrology technologies laser scanning for 3-D representation of objects and scenes; photogrammetric techniques and vision metrology systems in industrial, biomedical engineering and human motion studies; techniques for architectural, archaeological and cultural heritage applications.

### **Commission VI - Education, Technology Transfer and Capacity Development**



Promotion of education and training at fundamental, advanced and professional levels; promotion of technology transfer, considering regional needs and resources; computer-assisted teaching training and distance learning; Innovative techniques for information dissemination on the Internet; promotion of youth forum and innovative outreach activities.

### **Commission VII - Thematic Processing, Modeling and Analysis of Remotely Sensed Data**



Relationship between spectral, radiometric and temporal properties of objects and surfaces; image classification and analysis methodologies; analysis of data for extraction of attribute information; validation of data and information; radiometric correction; multi-source data fusion and integration techniques; global databases and determination of indicators of change for global modelling, monitoring and sustainable development.

### **Commission VIII - Remote Sensing Applications and Policies**



Applications of remotely sensed data to studies of the natural and built environments; monitoring and management of land and water resources; land use, human impact and ecosystem analyses; disaster monitoring, mitigation and damage assessment; satellite and aerial remote sensing policies; cooperation with international environmental programmes and strategies; earth observation activities to support sustainable development.

## How is ISPRS Financed?

ISPRS is supported financially from four main sources:

1. **Subscriptions:** Each *Ordinary and Associate Member* organisation pays an annual subscription on a scale broadly related to the number of photogrammetric, remote sensing and spatial information specialists which it represents.
  - *Regional Members* pay a fixed annual subscription fee.
  - *Sustaining Members* pay an annual subscription fee according to the number of employees in their organisation defined by the four categories.
2. The **Congress** is financed by the Member organisation of the host country from registration and exhibition fees.
3. Each **Technical Commission** is financed by its sponsoring Member.
4. A service fee is assessed to the Congress and Symposia for administrative support.

The financial affairs of the Society are monitored by a Financial Commission elected by the General Assembly.

## How does ISPRS Operate?

1. The **General Assembly** determines the general policy of the Society and is the supreme authority for all decisions. Each Member organisation appoints one delegate (with two advisers) to attend the meetings of the General Assembly held during Congresses.
2. The **Council** is elected by the General Assembly and conducts the normal administrative affairs of the Society in the interval between meetings of the General Assembly in accordance with the Statutes and Bylaws, and the directives of the General Assembly and the Congress. A meeting of the Council is convened at least once each year.
3. The **Congress** consists of all the photogrammetrists, remote sensing and spatial information specialists present who are affiliated with a Member organisation and others who have been invited. The Congress convenes every four years. The Congress site is selected by the General Assembly from proposals made by Members. Arrangements for all activities at the Congress are the responsibility of the Congress Director who is nominated by the Member which hosts the Congress.
4. What is the **Student Consortium**?  
The ISPRS Student Consortium (SC), founded in 2004, represents students and young professionals who share the same interest in photogrammetry, remote sensing and spatial information sciences. The ISPRS Student Consortium is an important connection between students and ISPRS professional activities. It provides a platform for exchange of information and organizes student-specific events either independently (e.g. summer schools) or within larger ISPRS events. More information may be found on <http://www.isprs-sc.org>

## Membership of ISPRS

### Ordinary Members

A country, or a region thereof which has an independent budget, and represents the whole community of photogrammetrists, remote sensing and spatial information experts in the country or region, may join the Society through a single Member organisation which usually is the National Society for the Photogrammetry, Remote Sensing and Spatial Information Sciences.

### Associate Members

An organisation which represents a community of photogrammetrists, remote sensing experts and/or spatial information experts in a country, and which has a strong interest in participating in the Society's affairs, and which is not represented by the Ordinary Member organisation of the country.

### Regional Members

A multi-national association of photogrammetry, remote sensing and/or spatial information organisations established for the purpose of considering issues of common interest, promoting regional cooperation, convening regional conferences etc.

### Honorary Members

Individuals, whose efforts in photogrammetry, remote sensing and the spatial information sciences are exceptionally distinguished and who are duly nominated and elected.

### Fellows

In recognition of sustained, excellent service to the ISPRS and its aims, an individual may be elected as a Fellow of the Society.

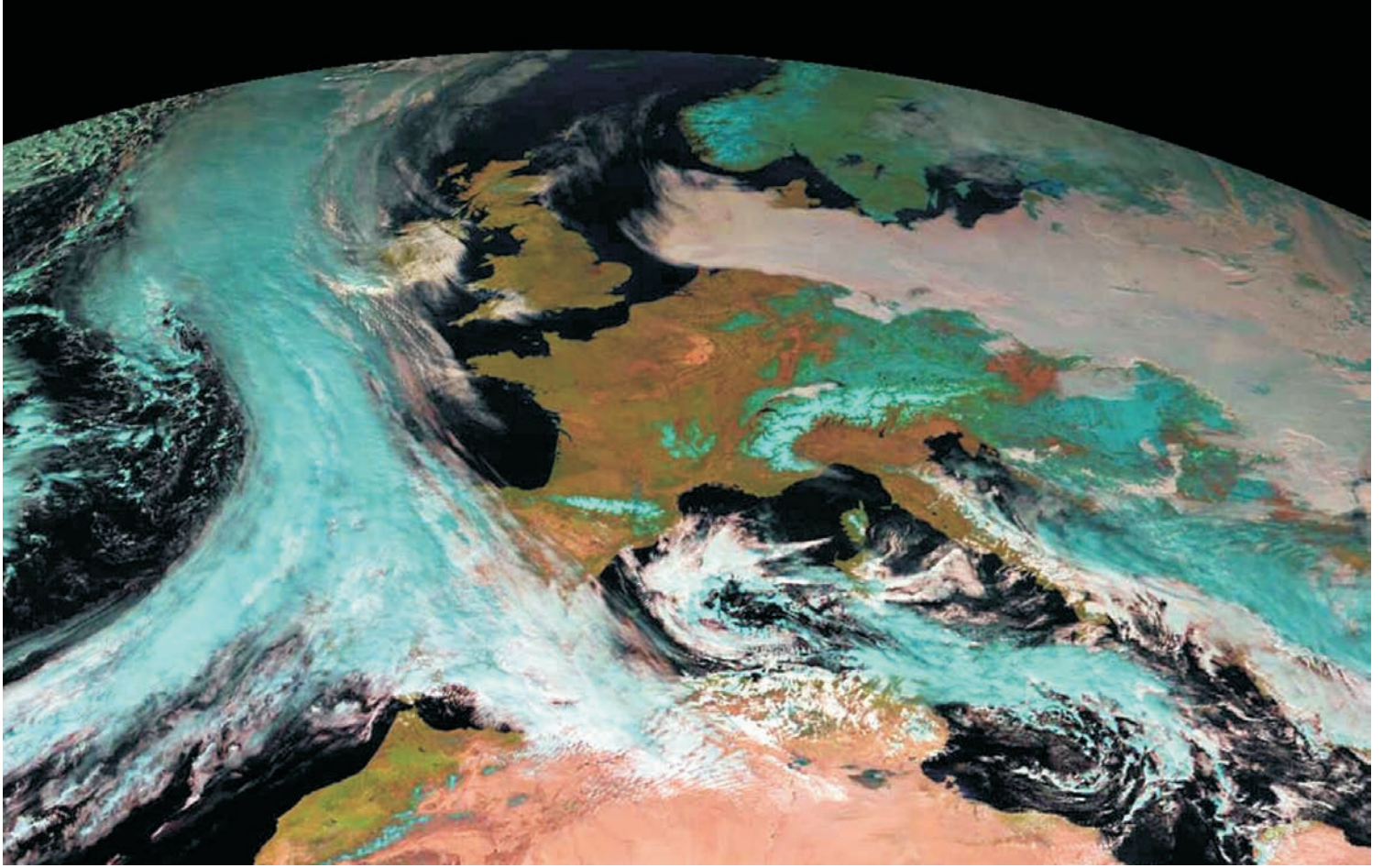
Individuals usually participate in the activities of the Society through affiliation with one of the Member organisations. Individuals interested in contributing to the scientific and technical activities of the Society are encouraged to join one of the Working Groups which operate under the leadership of the eight Technical Commissions. For more information on ISPRS go to the ISPRS website [www.isprs.org](http://www.isprs.org)

## The ISPRS Foundation

The ISPRS Foundation Inc. is a not-for-profit scientific and educational entity managed by a Board of Trustees for, but independent of, the International Society for Photogrammetry and Remote Sensing (ISPRS). The Foundation provides grants for a range of purposes that assist individuals from emerging markets who wish to further their knowledge, skills and experience in the sciences and technologies associated with the disciplines embodied by the ISPRS. Typical activities that are supported by The ISPRS Foundation are awareness education, distance learning, fellowships, scholarships, scientific initiatives, exchange programmes, international workshops, travel grants, and internships.



**Photogrammetry and Remote Sensing is the art, science, and technology of obtaining reliable information, from noncontact imaging and other sensor systems, about the Earth and its environment, and other physical objects and processes through recording, measuring, analysing and representation.**



### **Benefits of being a member of ISPRS**

- ▶ ISPRS is the international voice of 'photogrammetry, remote sensing and spatial information sciences.
- ▶ Representation in international organisations such as the United Nations, ICSU, GEO and CEOS.
- ▶ Free electronic subscription to the peer-reviewed ISPRS Journal of Photogrammetry and Remote Sensing.
- ▶ Access to an international scientific network through ISPRS Technical Commissions and Working Groups.
- ▶ ISPRS eBulletin with full information on all ISPRS organised meetings.
- ▶ Access to online publications and other resources on the ISPRS website.
- ▶ Reduced rates for books in the ISPRS Book Series.
- ▶ Free copy of ISPRS occasional publications such as the ISPRS video and ISPRS prospectus.
- ▶ Free panel for displaying National activities at ISPRS Congress.
- ▶ Reduced rates for a booth in the exhibition.
- ▶ The right to nominate individuals for ISPRS Awards.
- ▶ The right to host Technical Commissions and the ISPRS Congress.
- ▶ Information on activities of other societies and in some cases reduced rates.
- ▶ Individuals from member developing countries are given preference for funding from ISPRS Foundation for travel grants to ISPRS Congresses and Symposia.

**Spatial Information Science is the art, science, and technology of obtaining reliable spatial, spectral and temporal relationships between physical objects, and of processes for integration with other data for analysis, portrayal and representation, independently of scale.**



## **ISPRS Headquarters:**

The Headquarters of ISPRS are at the address of the Secretary General:

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For more information on ISPRS go to the  
ISPRS website: <http://www.isprs.org>



## **ISPRS Council 2012-2016**

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**XXIII ISPRS Congress: Prague, July 12-19, 2016**  
<http://www.isprs-2016-prague.com>

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