



**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 Dolezal from the Technical University of Vienna, 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. Dolezal founded the ISPRS in Vienna on 4th July 1910

## Role of ISPRS

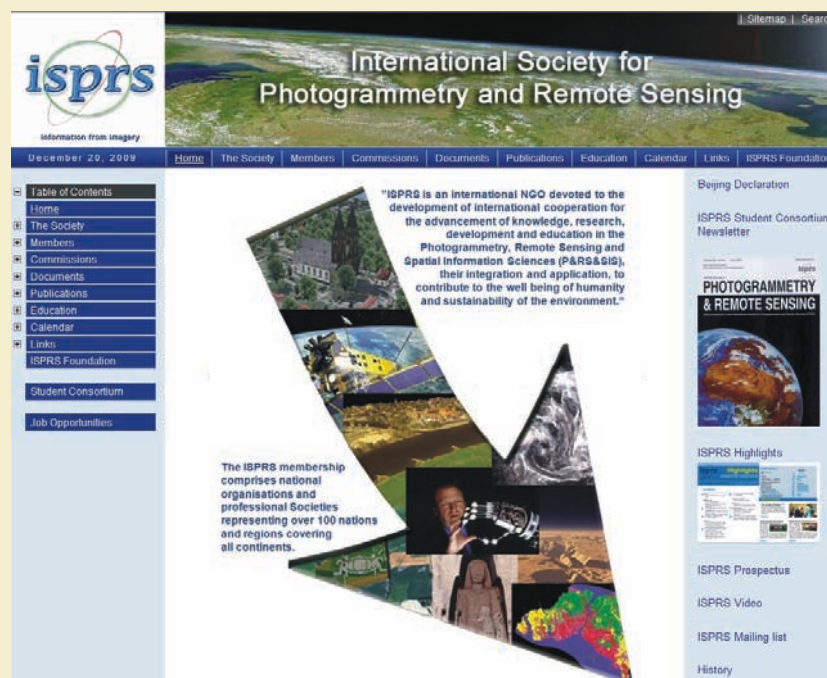
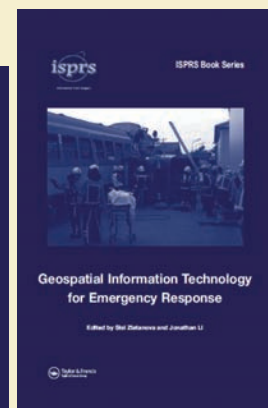
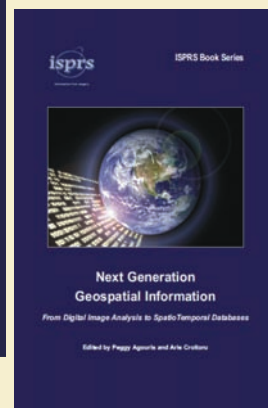
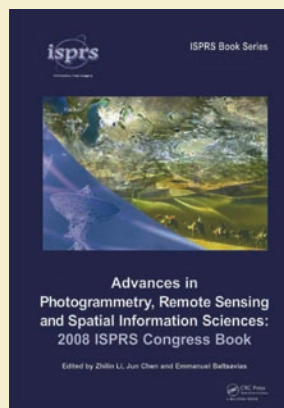
The principal activities of ISPRS are:

1. Stimulating the formation of national or regional Societies of Photogrammetry and Remote Sensing.
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 Photogrammetry, Remote Sensing and Spatial Information Sciences.
5. Encouraging the publication and exchange of scientific papers and journals dealing with photogrammetry and remote sensing.
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 of Science (ICSU) and the International Organisation for Standardisation (ISO).

## How does ISPRS Communicate?

Publications of ISPRS are in five categories:

1. The **International Archives of Photogrammetry and Remote Sensing and Spatial Information Sciences** contain the proceedings and the scientific and technical presentations of each Congress, edited and distributed by the Member organisation responsible for the Congress. The scientific and technical presentations at Technical Commission Symposia are also published by the sponsoring Member as volumes of the Archives.
2. The **ISPRS Journal of Photogrammetry and Remote Sensing** is the official publication of the Society. It contains scientific and technical articles reviews in the fields of Photogrammetry, Remote Sensing and Spatial Information Sciences, and as such, endeavors to be a primary channel of communication on the scientific activities of ISPRS, for specialists in all countries working in the many disciplines applying photogrammetry, remote sensing and spatial information sciences.
3. The **ISPRS Highlights** is the official e-bulletin of the Society. It contains such items as the ISPRS Annual Reports, general news of ISPRS activities, event reports of ISPRS sponsored conferences, officers lists, keynote speeches, book, project and technology reviews, minutes of Council and Technical Commission meetings, and calls for papers etc. The ISPRS Highlights has been converted to e-Highlights and distributed by e-mail.
4. Special circulars and announcements are used to provide information on Congresses, Symposia and other activities of ISPRS.
5. The ISPRS Web site at [www.isprs.org](http://www.isprs.org) which contains a large part of the material from the above information source.



# information from imagery

## Technical Commissions

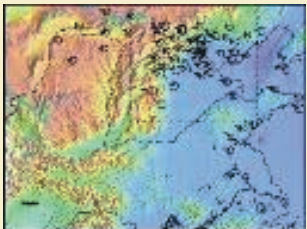
The technical commissions are responsible for the scientific activities of ISPRS and cover all aspects of ISPRS science. Each Commission has several working groups which are responsible for particular topics within the Commissions' areas of responsibility. Full details can be found in: [http://www.isprs.org/technical\\_commissions/default.aspx](http://www.isprs.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

### Commission I - Image Data Acquisition - Sensors and Platforms



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



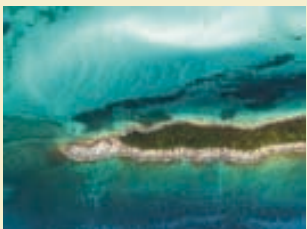
Fundamentals of spatial database design, spatial analysis, spatial querying, spatial reasoning, spatial and temporal modeling; system integration and modeling aspects for data and geoinformation processing; interoperability of heterogeneous spatial information systems; visualization of spatial data; 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 - Geodatabases and Digital Mapping



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 Sensing: 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 and Outreach



Promotion of education and training at fundamental, advanced and professional levels; promotion of technology transfer, considering account 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 characteristics 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 build 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 pay 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 organisations 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?

The principal elements for directing and managing the Society are the General Assembly, the Council, and the Congress.

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.

## Membership of ISPRS

### **Ordinary Members**

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

### **Associate Members**

An organisation which represents a community of photogrammetrists, remote sensing experts and/or spatial information system 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 and/or remote sensing organisations established for the purpose of considering issues of common interest, promoting regional cooperation, convening regional conferences etc.

### **Sustaining Members**

Individuals, organisations, institutions, or agencies who manufacture or distribute instruments, equipment or supplies, who operate or provide services in the fields of photogrammetry and/or remote sensing, or who are engaged in research and/or education and who contribute to the financial support of the Society.

### **Honorary Members**

Individuals whose efforts in photogrammetry and remote sensing are exceptionally distinguished and who are duly nominated and elected.

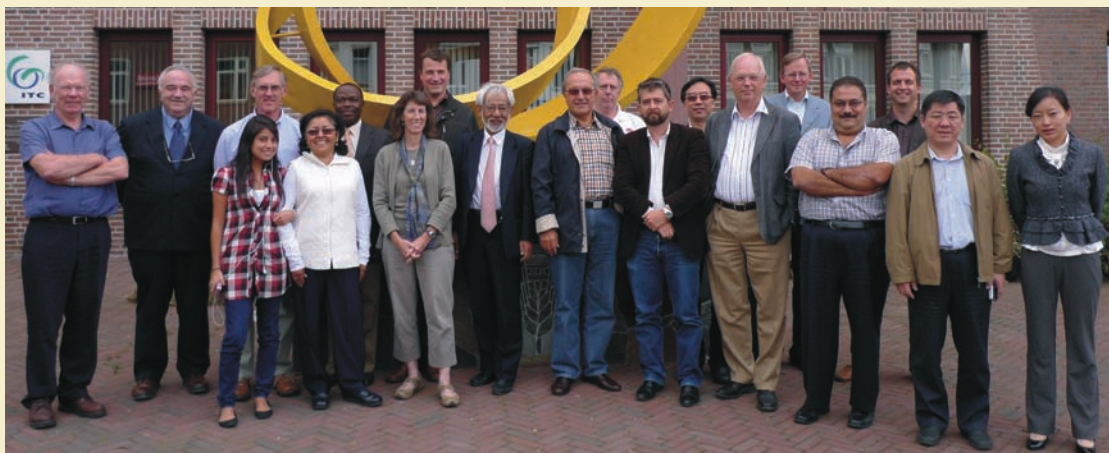
### **Fellows**

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

Other than Honorary and Sustaining Members, and Fellows, individuals are not eligible to become members of ISPRS. An individual usually participates 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)

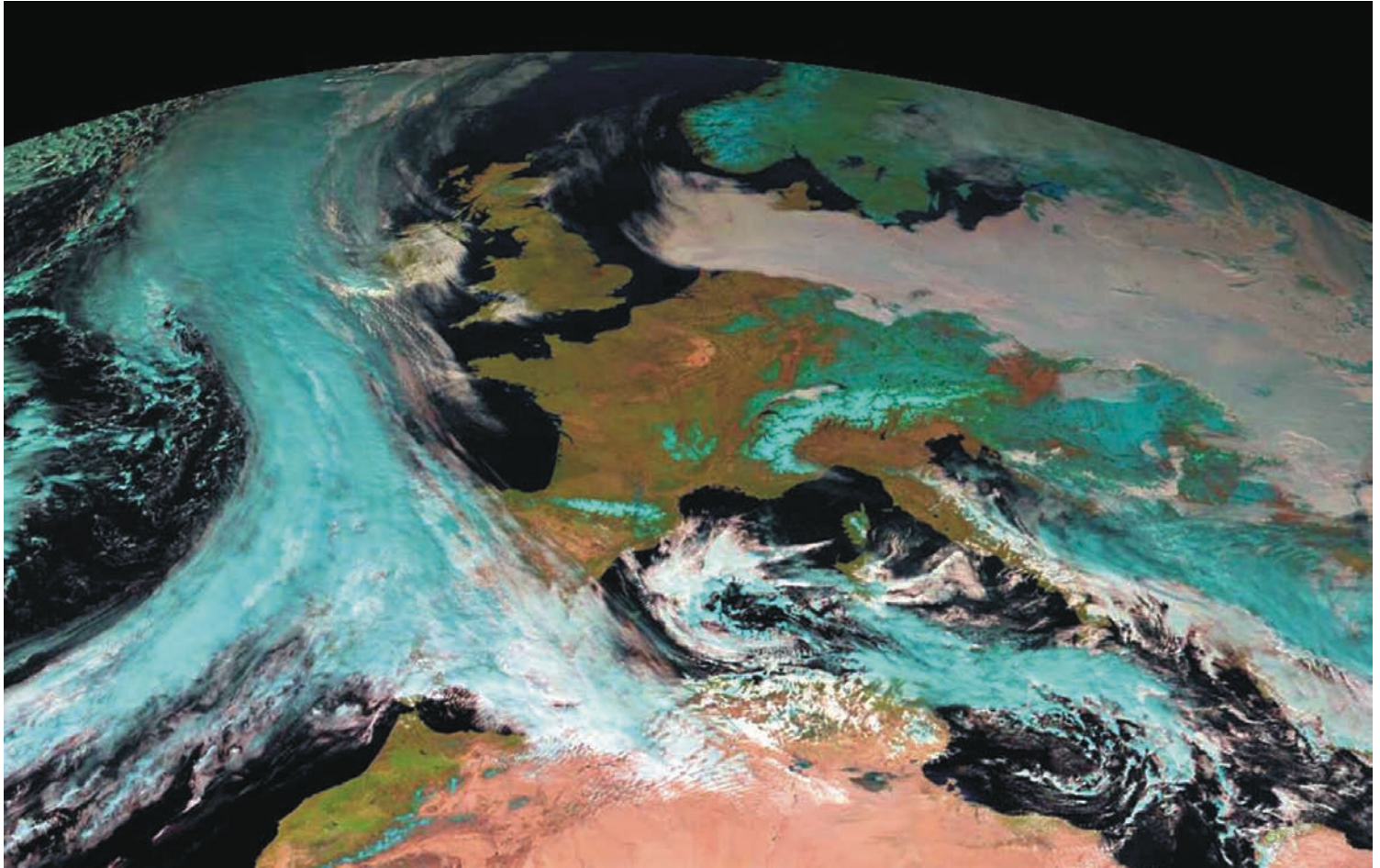
## The ISPRS Foundation

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 will provide grants for a range of purposes that will 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 will be 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 Bulletin eHighlights 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 2008-2012**

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