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Statutes

STATUTE I - *Name and Mission*

The International Society for Photogrammetry and Remote Sensing (hereinafter referred to as the Society) which was founded in Vienna, Austria in 1910 as 'Internationale Gesellschaft für Photogrammetrie', is a non-governmental international organization, devoted to the development of international cooperation for the advancement of knowledge, research, development, education and training in the photogrammetry, remote sensing and spatial information sciences, their integration and applications, to contribute to the well-being of humanity and the sustainability of the environment.

STATUTE II - *Definitions*

Photogrammetry is the science and technology of extracting reliable three-dimensional geometric and thematic information, often over time, of objects and scenes from image and range data.

Remote sensing is the science and technology of capturing, processing and analysing imagery, in conjunction with other physical data of the Earth and the planets, from sensors in space, in the air and on the ground.

Spatial Information Science is concerned with the modelling, storage, processing, retrieval, application and communication of information with a spatial reference.

STATUTE III - *Qualifications*

The Society pursues its aims without any discrimination on grounds of politics, nationality, religion, race, or gender.

STATUTE IV - *Activities*

To achieve its aims, the Society shall:

- a. facilitate excellence in research and development and the proper use of appropriate technology in the photogrammetry, remote sensing and spatial information sciences, as well as the development of standards;
- b. initiate and coordinate research in the fields of the photogrammetry, remote sensing and spatial information sciences by creating Technical Commissions and Working Groups concerned with pertinent aspects of the photogrammetry, remote sensing and spatial information sciences;
- c. convene international Congresses, symposia and other meetings, with lectures, communications, discussions, and as appropriate, tutorials, exhibitions, technical visits, and social events;
- d. ensure wide international circulation of the results of research and the records of discussion by the publication of The International

Archives and Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, which shall form the record of Congresses and Symposia, and other scientific meetings of the Society;

- e. publish and circulate international journals, a bulletin, and other communications relevant to the interest of the Society and the community at large;
- f. stimulate the formation of national and regional Societies of the photogrammetry, remote sensing and spatial information sciences and promote exchanges between such Societies;
- g. encourage interaction of the Society and its members with the community at large, including the publication and exchange of scientific papers and journals by, and among, its national and regional Societies;
- h. encourage recognition and administer awards to honour the achievements of individuals or groups.
- i. represent the photogrammetry, remote sensing and spatial information sciences in relevant international forums;
- j. promote and facilitate education, training, and technology transfer of the photogrammetry, remote sensing and spatial information sciences;
- k. promote other appropriate actions to enhance the Society's mission.

STATUTE V - *Cooperation with Other International Organizations*

The Society should cooperate with:

- a. international and regional institutions or organizations concerned with photogrammetry, remote sensing, computer vision, spatial information sciences, land survey, geodesy, cartography, and other relevant disciplines;
- b. inter-governmental bodies of the United Nations and other relevant, international policy-making organizations.

STATUTE VI - *Membership*

The types of membership in the Society are:

- Ordinary Members
 - Associate Members
 - Regional Members
 - Sustaining Members
 - Honorary Members
 - Fellows
 - Individual Members
1. An **Ordinary Member** shall be the single organization of a country, or a geographic region thereof having an independent budget,

which should represent the whole community of photogrammetry, remote sensing and spatial information specialists in the country or region.

a. An Ordinary Member shall be responsible to the Society for the proper discharge of all the duties of membership including specifically:

- participating in the scientific work of the Society, including active participation in Working Groups and Commissions;
- prompt payment of Membership subscription fee;
- actively participating in the decisions of the General Assembly;
- striving to provide equitable national representation for all photogrammetric, remote sensing and spatial information specialists in its country or region;
- serving as national focal point for distribution of ISPRS information to their members;
- submitting periodic reports and news for publication in the Society's bulletin;
- demonstrating active representation of the whole of their membership in their country or region;
- encouraging interdisciplinary cooperation in scientific and technologic activities, and establishing links with relevant groups;
- forming journals and registering them with the Secretary General.

b. Normally the Ordinary Member organization of a country shall be a national, formally constituted, representational Society. In the absence of such a Society the Ordinary Member may be:

- an association of societies each having the advancement of the photogrammetry, remote sensing and spatial information sciences among its principal objectives;
- the principal Scientific Academy of a country or its National Research Council;
- or failing these, any other institution or association of institutions whether governmental or non-governmental concerned with the sciences of photogrammetry, remote sensing and spatial information.
- Different categories of Ordinary Members shall be established to reflect the use of the photogrammetry, remote sensing and spatial information sciences, and the number of specialists in the organization.

2. An **Associate Member** shall be an organization which represents a community of photogrammetrists and/or remote sensing specialists and/or spatial information specialists 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 organization of the country. An Associate Member shall be responsible to the Society for the proper discharge of all the duties of membership including specifically:

- participating in the scientific work of the Society, including active participation in Working Groups and Commissions;
- prompt payment of Membership subscription fee;
- promoting ISPRS activities;
- participating in the discussions of the General Assembly;
- serving as a focal point for distribution of ISPRS information to their members;
- submitting periodic reports and news for publication in the Society's bulletin;
- stimulating the establishment of appropriate means of communication.

3. A **Regional Member** shall be a multi-national association of photogrammetry and/or remote sensing and/or spatial information science organizations established for the purpose of considering questions of common interest, promoting regional cooperation, convening regional conferences, etc.

4. **Sustaining Members** contribute to the financial support of the Society and shall be individuals, organizations, institutions, or agencies who provide hardware, software, systems and/or services, in the fields of photogrammetry and/or remote sensing and/or spatial information, and/or who are engaged in research and/or education and training.

5. **Honorary Members**. In recognition of distinguished services to the ISPRS and its aims, an individual may be elected an Honorary Member of the Society.

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

7. **Individual Members** are persons with a qualification or studying for a qualification in the fields of photogrammetry and/or remote sensing and/or spatial information, who wish to be involved with the activities and mission of the Society.

STATUTE VII - Organization and Administration

The direction and management of the Society, including the conduct of its technical and scientific program, shall be undertaken through the following compo-

nents: The Congress, the General Assembly, the Council, the Financial Commission, the Technical Commissions and the Committees of the Society.

STATUTE VIII - Officers

1. The Officers of the Society shall be the President of the Society, the other Members of the Council and the Presidents and Vice-Presidents of Technical Commissions.
2. The Officers shall serve from the termination of the Congress at which they are elected or appointed until the completion of the next ensuing Congress.

STATUTE IX - Congress

1. The Congress shall consist of all photogrammetry, remote sensing and spatial information specialists in attendance.
2. The Congress shall normally meet every four years.
3. The Congress shall be convened in plenary session at least twice during the course of each Congress.

STATUTE X - General Assembly

1. The General Assembly shall be the supreme authority of the Society for all decisions. It shall determine the general policy of the Society.
2. The General Assembly shall consist of the Delegates appointed by the Ordinary Members to represent them, each Ordinary Member being represented by one Delegate.
3. Delegates, Members of Council, Members of the Financial Commission, Honorary Members of the Society, the Regional Representatives, one Representative of the Associate Members, the Regional Members and the Sustaining Members, the Chairpersons of the permanent Committees, and two Advisors per Delegate shall have the right to attend the meetings of the General Assembly.

STATUTE XI - Council

1. The Council shall consist of six individuals:
 - The President of the Society and (in alphabetical order)
 - The Director of the Congress
 - The First Vice-President
 - The Second Vice-President
 - The Secretary General
 - The Treasurer
2. The General Assembly may appoint up to three Regional Representatives, from separate regions, to assist Council to coordinate activities in regions not already represented on the Council. The Regional Representatives shall be invited to attend Council Meetings as appropriate.
3. The Council shall conduct the affairs of the Society in the interval between meetings of the General Assembly in accordance with the Statutes and By-

laws and with the decisions and directives of the General Assembly and of Congress.

4. The Council shall be answerable to the General Assembly for management of Society affairs and shall guide the conduct of the General Assembly.
5. The Council shall assist the President to coordinate and guide the activities of the Technical Commissions.
6. Between meetings of the General Assembly the Council may consult Members by correspondence or otherwise.
7. The responsibilities of the members of Council are defined in the Bylaws.

STATUTE XII - Headquarters

The headquarters of the Society shall be designated by the Council.

STATUTE XIII - Technical Commissions

1. The scientific work of the Society shall be the responsibility of its Technical Commissions and shall be guided by Resolutions approved by the General Assembly.
2. Responsibility for the work of each Technical Commission during the interval between two successive Congresses shall be entrusted by the General Assembly to one of the Ordinary Members or to a number of Ordinary Members who have agreed to collaborate.
3. The work of each Commission should be conducted by the Commission Board consisting of:
 - The Commission President
 - The Commission Vice-President
 - The Commission Secretary/ies
 - The Working Group Chairpersons
 - Other officers as appointed

STATUTE XIV - Financial Commission

1. At each Congress, the General Assembly shall elect a Chairperson and two members of a Financial Commission.
2. The role of the Financial Commission shall be advisory and consultative. It shall examine expenditure of all kinds incurred by the Society and suggest to the General Assembly broad lines of financial policy for the Society having regard to its scientific responsibilities.
3. Between Congresses the Financial Commission shall report directly to the Council through the Secretary General at least once a year after the annual balance sheet has been prepared and examined. It shall be present in an advisory capacity at meetings of the General Assembly.

STATUTE XV - Finances

1. Each Ordinary Member and Associate Member shall pay annually the subscription fee assigned to its category. The amount of subscription fee for

each category shall be determined by the General Assembly and may be altered by the General Assembly only at one of its ordinary meetings held during the course of a Congress.

2. Regional Members and Sustaining Members shall pay an annual subscription fee established by Council.
3. The ISPRS Foundation shall be guided by the Society and maintained as an independent entity devoted solely to support philanthropic activities of the Society.

STATUTE XVI - Voting

1. In plenary sessions of the Congress, decisions shall be taken by a show of hands and by a simple majority of votes passed.
2. Voting in the General Assembly shall be conducted as follows:
 - a. Only Delegates shall have the right to vote.
 - b. No Delegate shall represent or vote for any Ordinary Member other than his/her own.
 - c. Voting shall not be by proxy.
 - d. If the President or any Delegate so requests, the vote shall be taken by secret ballot.
 - e. Each Delegate shall have a number of votes equal to the category of the Ordinary Member which he/she represents.
 - f. The adoption of Resolutions concerning admission of new Ordinary Members, Associate Members or Regional Members, cancellation of membership, alteration to the Statutes or the Bylaws, dissolution of the Society or its amalgamation with another international organization, shall require at least three-quarters of the votes cast to be in favor of the Resolution. Decision on all other matters shall be approved by a simple majority of the votes cast.
 - g. Associate Members, Regional Members and Sustaining Members shall have observer status in the General Assembly with no voting rights, but with full discussion privileges.
3. Recourse to a vote by correspondence shall only be permitted in exceptional cases. This procedure shall be taken only when the Council considers it necessary to reach a decision without awaiting a meeting of the General Assembly.

STATUTE XVII - Regulations and Directives

The Council shall be entitled to issue provisional Regulations and Directives to provide guidance in transitory

situations, and such shall be valid until considered at the next Congress.

STATUTE XVIII - Languages

1. The official languages of the Society shall be English, French and German.
2. The English Text of the present Statutes and Bylaws shall be considered to be the definitive version.

STATUTE XIX - Dissolution and Amalgamation

Only the General Assembly may approve a decision on dissolution of the Society or amalgamation of the Society with another international body. An extraordinary meeting must be specially called for that sole purpose. For such an extraordinary meeting three clear calendar months notice shall be given to all Ordinary Members in writing, requesting them to send Delegates thereto.

STATUTE XX - Amendments to Statutes and Bylaws

1. Only the General Assembly has authority to amend the Statutes and Bylaws.
2. The Statutes may be amended under the following conditions:
 - a. An amendment may be formulated in writing by an Ordinary Member and addressed to the Secretary General not less than 10 months prior to the date fixed for the meeting of the General Assembly at which it is to be considered. Such an amendment shall be supported by at least one other Ordinary Member.
 - b. Amendments may be formulated by the Council or a committee appointed by the Council. In such a case there shall be no necessity for supporting these amendments by an Ordinary Member.
 - c. The Secretary General shall inform all Ordinary Members on the proposed amendments at least six months prior to the date fixed for the meeting of the General Assembly at which they are to be considered.
3. The Bylaws may be amended under the following conditions:
 - a. At least 48 hours must be given Delegates prior to discussing amendments to the Society Bylaws.
 - b. No Bylaw that contravenes the Statutes shall be valid.

Original Statutes adopted by the General Assembly of the 11th Congress, July 1968, at Lausanne, Switzerland.
Statutes amended by the General Assembly of the 12th Congress, August 1972, at Ottawa, Canada.
Statutes amended by the General Assembly of the 14th Congress, July 1980, at Hamburg, Federal Republic of Germany.
Statutes amended by the General Assembly of the 15th Congress, June 1984, at Rio de Janeiro, Brazil.
Statutes amended by the General Assembly of the 16th Congress, July 1988, at Kyoto Japan.
Statutes amended by the General Assembly of the 18th Congress, July 1996, at Vienna, Austria.
Statutes amended by the General Assembly of the 19th Congress, July 2000, at Amsterdam, The Netherlands.
Statutes amended by the General Assembly of the 20th Congress, July 2004, at Istanbul, Turkey.
Statutes amended by the General Assembly of the 21st Congress, July 2008, at Beijing, China.
Statutes amended by the General Assembly of the 22nd Congress, August 2012, at Melbourne, Australia.
Statutes amended by the General Assembly of the 23rd Congress, July 2016, at Prague, Czech Republic.

President: Chen Jun (2012-2016)

Secretary General: Christian Heipke (2012-2016)

Bylaws

BYLAW I - Name and Mission

The short title of the International Society for Photogrammetry and Remote Sensing shall be ISPRS with the motto "Information from Imagery" and these initials and motto shall be used on all Society publications and on flags, logos, stationery, etc. of the Society and its subordinate bodies.

BYLAW II - Definitions

The Society's scientific interests shall include the photogrammetry, remote sensing, and spatial information sciences and related disciplines.

Photogrammetry is employed for image-based three-dimensional measurements in mapping, engineering, heritage recording, forensic analysis, robotics, driver assistance systems, medical applications, computer gaming and other fields, where it provides geometric and semantic object information for populating spatial databases and for creating virtual reality scenes with real-life textured models.

Remotely sensed observations of the Earth from airborne and space-borne sensors, in synergy with in-situ and hand-held measurements, provide the basis for mapping human and natural activities; for physical and empirically based process monitoring; for assessing and mitigating disasters; for identifying and assessing non-renewable resources; for monitoring temporal changes in weather, land and sea cover; and for many other applications. Spatial and semantic descriptions of objects, features and processes are derived from one-, two- and three-dimensional (3D) measurements, and the interpretation of their electromagnetic and acoustic signal attributes using active and passive optical, thermal and microwave instruments and sounding devices.

Employing concepts and methods from spatial information science is an essential step in the process of obtaining useful information from images, since typically the description and location of objects and processes, as well as temporal relationships between these physical objects, need to be integrated with socio-

economic and other data for analysis, simulation, prediction and visualisation purposes. Spatial information science deals with, for example, spatial data mining, interoperability and data integration, visual analytics, spatio-temporal perspectives on big data, visualisation and generalisation, the Internet of Things, social networks, and human-computer interaction. It is applied in transportation planning and management, urban and infrastructure planning, land and resource management, smart cities, disaster management, environmental monitoring, public health, security, and in understanding many other natural and anthropogenic processes and phenomena.

BYLAW III - Qualifications

The Society subscribes to the declaration adopted in 1958 by the 8th General Assembly of the International Council for Science (ICSU), concerning non-discrimination on the basis of politics, nationality, religion, race, or gender.

BYLAW IV - Activities

In addition to the activities in Statute IV the Society may carry out all other activities incidental or conducive to the Society's aims, provided such acts do not contravene the Statutes or Bylaws of the Society or the laws of the country in which they are done, or the general principles to which the Society subscribes.

BYLAW V - Cooperation with Other International Organizations

In its policy of cooperation, the Society shall support consolidation of international societies committed to the promotion of the united profession of photogrammetry, remote sensing, spatial information sciences, cartography, geodesy, and surveying, as well as affiliation with other relevant international organizations.

BYLAW VI - Membership

1. Ordinary Members

- a. An application for Ordinary Membership in the Society shall be addressed to the Secretary General and be accompanied by a description of the photogrammetric, remote sensing and spatial information science activities in the country or geographic region thereof having an independent budget, and of the nature of the organization making application, including specifically its statutes, aims, standing in the country, relations with other organizations concerned with the photogrammetry, remote sensing and spatial information sciences, and its administrative and financial structure.
- b. The application shall state the category in which Ordinary Membership is requested. The category chosen should be broadly related to the number of photogrammetrists and/or remote sensing and/or spatial information specialists represented by the applicant, and the uses made of the photogrammetry, remote sensing and spatial information sciences in the country concerned. The table below indicates the category to which an Ordinary Member should belong.

Number of Active Specialists	Category
less than 26	1
26 to 50	2
51 to 150	3
151 to 250	4
251 to 400	5
401 to 600	6
601 to 800	7
more than 800	8

- c. The Council shall review each application received and if it estimates that the proposed category is inappropriate, the Secretary General shall return the application. The Secretary General shall report every application received to all Members and shall inform them of the opinion of the Council thereon.
- d. The admission of an Ordinary Member shall be decided by vote of the General Assembly, or with approval of Council, by a vote by correspondence. The Secretary General shall declare the result of the vote to all Members and to the organization seeking admission.
- e. An Ordinary Member may at any time raise its category; it may not lower it without the previous assent of the General Assembly.
- f. To retain its good standing as Ordinary Member requires fulfilment of its responsibilities outlined in the Statutes.
- g. The cancellation of Ordinary Membership may be declared by the General Assembly:

- in the case of action manifestly contrary to the interests and objectives of the Society;
 - in the case of repeated default in the payment of subscription fees in spite of a demand for payment which the Treasurer shall send to the defaulting Ordinary Member at least six months prior to the meeting of the General Assembly.
- h. An Ordinary Member may resign from the Society by a declaration in writing addressed to the Secretary General. The Council shall act upon the declaration and shall inform all Members as quickly as possible.
 - i. When an Ordinary Member leaves the Society, whether by resignation or by exclusion, it shall thereby forfeit all rights in the Society.

2. Associate Members

- a. An application for Associate Membership in the Society shall be addressed to the Secretary General and be accompanied by a description of the photogrammetry, remote sensing and spatial information science activities in the country and of the nature of the organization making application, including specifically its statutes, aims, standing in the country, relations with other organizations concerned with photogrammetry, and/or remote sensing, and/or spatial information sciences, and its administrative and financial structure.
- b. The application shall state the category in which Associate Membership is requested. The category chosen should be broadly related to the number of photogrammetrists and/or remote sensing and/or spatial information specialists represented by the applicant, and the uses made of the photogrammetry, remote sensing and spatial information sciences in the country concerned. The table below indicates the category to which an Associate Member should belong.

Number of Active Specialists	Category
less than 51	1
51 to 250	2
251 to 600	3
more than 600	4

- c. The Council shall review each application received and shall consult with the Ordinary Member of the country, and the Secretary General shall report every application received to all Members and shall inform them of the opinion of the Council thereon.

- d. The admission of an Associate Member shall be decided by vote of the General Assembly, or with approval of Council, by a vote by correspondence. The Secretary General shall declare the result of the vote to all Members and to the organization seeking admission.
- e. An Associate Member can upgrade its membership to Ordinary Member:
 - at any time by uniting or cooperating with the Ordinary Member of its country, or
 - by vote of the General Assembly, after consultation by Council with the Ordinary Member and demonstration by appropriate documentation, of more active participation in areas of study of ISPRS and larger representation of the whole community of specialists in the country, than the current Ordinary Member. The new category will be determined according to Bylaw VI.1.(b).
- f. The cancellation of Associate Membership may be declared by the General Assembly:
 - in the case of action manifestly contrary to the interests and objectives of the Society;
 - in the case of repeated default in the payment of subscription fees in spite of a demand for payment which the Treasurer shall send to the defaulting Associate Member at least six months prior to the meeting of the General Assembly.
- g. An Associate Member may resign from the Society by a declaration in writing addressed to the Secretary General. The Council shall act upon the declaration and shall inform all Members as quickly as possible.

3. Regional Members

- a. An application for Regional Membership shall be submitted to the Secretary General and shall include a full listing of the associated organizations, the charter of the Regional Member, and names of current officers.
- b. The Council shall assure that the charter of the Regional Member conforms to the Statutes and Bylaws of the Society. The Secretary General shall report every application received to all Members and shall inform them of the opinion of the Council.
- c. The admission of Regional Members shall be decided by vote of the General Assembly, or with approval of Council, by a vote by correspondence.
- d. The cancellation of Regional Membership may be declared by the General Assembly:

- in the case of action manifestly contrary to the interests and objectives of the Society;
 - in the case of repeated default in the payment of subscription fees in spite of a demand for payment which the Treasurer shall send to the defaulting Regional Member at least six months prior to the meeting of the General Assembly.
- e. A Regional Member may resign from the Society by a declaration in writing addressed to the Secretary General. The Council shall act upon the declaration and shall inform all Members as quickly as possible.

4. Sustaining Members

- a. An application for Sustaining Membership shall be addressed in writing to the Secretary General and shall include a full statement of the applicant's role in the fields of photogrammetry and/or remote sensing and/or spatial information.
- b. Council shall consider each application and make the final decision on admission of an applicant.
- c. Sustaining Members may appoint a committee called the International Industry Advisory Committee (IIAC) to represent the exhibitors in the planning and operation of scientific and technical exhibits sponsored by the Society. The recommendations of the IIAC are advisory to the Congress Director.
- d. The IIAC Chair of the Society shall convene an IIAC meeting at least once during each Congress.
- e. Council shall have the authority to cancel Sustaining Membership:
 - in case of action manifestly contrary to the interests and objectives of the Society;
 - in case of repeated default in payment of subscription fees.
- f. A Sustaining Member may resign from the Society by a declaration in writing addressed to the Secretary General. The Council shall act upon the declaration and shall inform all Members as quickly as possible.

5. Honorary Members

- a. There may not be more than ten living Honorary Members of the Society at any given time.
- b. Honorary Members are elected by the Congress in Plenary Session. A maximum of two Honorary Members may be elected at any Congress.
- c. Candidates for Honorary Membership may be proposed by any of the Member organiza-

tions of the Society. Proposals shall summarize the accomplishments of the candidate and be submitted to the Secretary General at least one year before the next Congress.

- d. Honorary Members shall be nominated by a seven-member committee appointed by the Council. The committee shall include three honorary members, three members from the three previous Councils plus one current Council member and shall be chaired by the most recent Honorary Member.
- e. Honorary Members shall have the right to attend all meetings of the Society and its constituent parts except for Council meetings. They shall not be required to pay registration fees for any Society function.

6. Fellows

- a. Candidates shall be nominated by any Member of the Society or by Council. The nomination shall be considered by the Fellows Committee, and recommendations for the award of Fellowship shall be made to the General Assembly which will elect the Fellows.
- b. The Fellows Committee shall be composed of five members from Fellows selected by Council (2), an Honorary Member selected by the Honorary Members (1), and individuals elected by the General Assembly (2). The Committee shall select a Chair from amongst their number. Members of the Fellows Committee are ineligible for nomination.
- c. The maximum number of living Fellows at any one time shall be 30, excluding those Fellows subsequently elected as Honorary Members. Up to five Fellows may be elected in any one General Assembly.

7. Individual Members

- a. An application for Individual Membership shall be addressed in writing to the Secretary General and shall include a full statement of the applicant's role in the fields of photogrammetry and/or remote sensing and/or spatial information.
- b. Council shall consider each application and make the final decision on admission of an applicant.
- c. Council shall have the authority to cancel Individual Membership in case of action manifestly contrary to the interests and objectives of the Society.

BYLAW VII - Organization and Administration

1. The Chairs of the Permanent Committees, the Chair of the Finance Committee, the Editors in Chief of the ISPRS Journals, the Book Series Editor, the ISPRS Webmaster, the Editor of the eBulletin

and the Regional Representatives shall comprise the Advisory Board. The Advisory Board shall meet with Council at least once during the inter-Congress period.

2. Committees may be appointed by the Council to report on special topics or to address issues in support of Council. The membership of a Committee shall consist of a Chairperson appointed by the President. Additional members shall be selected by the Chairperson with the approval of the President. International representation among Committee Members shall be encouraged. A committee shall be instituted when the Terms of Reference for the Committee have been approved by Council. The term of an Ad-Hoc Committee shall coincide with the inter-congress period. The term of a Permanent Committee shall be indefinite and may only be dissolved at the end of an inter-Congress period by consensus of the Council. The Chairperson shall prepare a report on Committee activities for presentation to each regular meeting of the General Assembly.

Permanent Committees of the Society are:

- International Committee on Remote Sensing of the Environment (ICORSE)
- International Policy Advisory Committee (IPAC)
- International Science Advisory Committee (ISAC)
- International Industry Advisory Committee (IIAC)

BYLAW VIII - Officers

1. The President of the Society, the Second Vice-President, the Secretary General and the Treasurer shall be elected by the General Assembly. Ordinary Members may submit nominations for members of Council to the Secretary General not later than four months prior to the meeting of the General Assembly at the time of a Congress. The Council will review the recommendations and submit nominations to the General Assembly.
2. In order to assist continuity the outgoing President shall be appointed the incoming First Vice-President as of right without election. Should he/she decline the office it shall be offered successively in the following order to:
 - the outgoing Secretary General
 - the outgoing Vice-Presidents in turn, past Presidents excepted
 - the outgoing Treasurer
 - the outgoing Director of the Congress.

Should all these decline the office, it shall be filled by election by the General Assembly.

3. The Director of the Congress shall be proposed by the Ordinary Member organizing the Congress and shall be confirmed by the General Assembly.

4. The First Vice-President who has been appointed to that office without election and the Director of the Congress may be of any nationality. Of the remaining members of the Council no two shall be of the same nationality. In this context, nationality shall be that of the Ordinary Member which nominates the candidate.
5. No person shall hold the office of President for two consecutive terms. No person who has held the offices of President and First Vice-President consecutively in that order shall be eligible for a further consecutive term of office as President. The choice of person to become President shall not otherwise be restricted by virtue of any office in the Society which he/she holds or has held in the past.
6. No more than three Council members may remain on Council from one inter-Congress period to the next. An outgoing elected member of Council shall not be eligible for election to any office on the incoming Council other than to that of President of the Society or Secretary General. After the lapse of one inter-congress period he/she shall again become eligible for election to the Council.
7. The Council shall fill by co-option all vacancies occurring through the death or long-term disability of any of its members other than the President. When filling the post of Treasurer by co-option, the Council shall first consult all Ordinary Members, by correspondence or otherwise, and shall take account of the views expressed.
8. No member of Council shall be a member of the Financial Commission.
9. The Presidents and Vice-Presidents of Technical Commissions shall be nominated by the Ordinary Members seeking responsibility for Technical Commissions. The General Assembly selecting the Ordinary Member responsible for a Commission shall confirm the Commission President. In case of necessity a Commission President may be confirmed by the Council.

BYLAW IX - Congress

1. The Congress site shall be selected by the General Assembly from proposals made by Ordinary Members to the Secretary General not later than four months prior to the meeting of the General Assembly at which the decision is to be taken. Such proposals shall include the dates, physical facilities, preliminary financial plans, and the name of the proposed Congress Director.
2. The Ordinary Member organizing the Congress shall sign a contract with the Society and be responsible for ensuring that adequate provisions are made for the Congress. The Ordinary Member shall obtain the necessary financial support for this purpose. The Ordinary Member shall be responsible for financing the Congress, including the

preparation and publication of The International Archives and Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences relating to the Congress. For this purpose it shall have the cooperation of the Technical Commissions and of the Council.

3. The activities of the Congress shall be prepared and carried through by a Congress Committee and chaired by the Congress Director. All other members of the Congress Committee shall be appointed by the Ordinary Member organizing the Congress. The Congress Committee shall have the responsibility for organizing the Congress on the administrative and financial levels.
4. Only persons in the following categories may take part in the activities of the Congress:
 - a. Persons who are associated with a Member and have paid the Congress fee;
 - b. Honorary Members of the Society;
 - c. Persons specially invited by the President either on account of their personal standing or as representatives of other scientific organizations. They shall not be required to pay the Congress fee;
 - d. Persons who have received the general invitation and have paid the Congress fee.
5. Congress meeting in plenary session shall:
 - a. review the decisions of the General Assembly;
 - b. witness the award of Medals and other distinctions of the Society;
 - c. elect the Honorary Members of the Society.
6. The Technical Commissions shall meet during the Congress for the purpose of:
 - a. reports by the Presidents on activities of the Commissions during the inter-congress period;
 - b. presentation of technical papers, tutorials and/or poster sessions on topics covered by the Commissions in programmed technical sessions determined by Commission Presidents and the Council;
 - c. formulation of Resolutions.
7. Congress considerations for students.
 - a. Fees for students should be set at a level which will enable a good attendance by students and should be no more than 50% in general of the early registration fee.
 - b. The Congress should include appropriate activities proposed by the Student Consortium. These could include a Youth Forum during the Congress and a 'Summer School' before or after the Congress.

BYLAW X - General Assembly

1. The President shall convene the General Assembly to one or more meetings in the course of every Congress.

2. In the interval between Congresses the President may convene the General Assembly to an extraordinary meeting to discuss a single Resolution that has the support of at least two Ordinary Members. The Resolution in question shall be made available in writing to all Ordinary Members, Associate Members and Regional Members at least three calendar months in advance of the meeting. Whenever called upon in writing by not less than three-quarters of the Members, the President shall convene an extraordinary meeting.
3. Prior to every Congress and prior to every extraordinary meeting of the General Assembly each Ordinary Member shall appoint one Delegate to represent it at the General Assembly. Such appointments shall have no permanency and shall be valid only for the duration of the Congress or of the extraordinary meeting. No member of the Council shall be appointed as a Delegate. Associate Members and Regional Members may appoint Representatives to the General Assembly.
4. Each Ordinary Member Delegate authorized to vote at the General Assembly shall present his/her credentials to the Secretary General on his/her arrival at the Congress or at the extraordinary meeting. The Secretary General shall compile a list of Ordinary Members, their Delegate and two Advisors, their voting rights, their subscription fees paid or in default and shall report thereon in writing to the President. Each Representative of an Associate Member and of a Regional Member shall present his/her credentials to the Secretary General on arrival at the Congress or the extraordinary meeting. The Secretary General shall prepare a list of Associate Members and Regional Members and their Representatives, their subscription fees paid or in default, and shall report thereon in writing to the President.
5. Each Delegate may be accompanied at the General Assembly by not more than two Advisors. Only Delegates shall have the right to vote. An Advisor shall have the right to speak only upon the invitation of his/her own Delegate and with the permission of the President. If the appointed Delegate is unable to serve for any reason, one of the Advisors may serve as Delegate with permission of the President.
6. An Ordinary Member that has not paid its subscription fees up to and including the year before the General Assembly shall have no voting rights at the General Assembly and shall not be entitled to bid for positions on the Council, the Financial Commission, or to host a Technical Commission.
7. Observers may be invited to attend the General Assembly only by the President.
8. The General Assembly shall:
 - a. review the implementation of directives adopted by the General Assembly and Congress;
 - b. review the decisions taken by the Council since the last Congress;
 - c. consider the reports and proposals of the Council and Financial Commission and Committees;
 - d. define the policy to be pursued by the new Council;
 - e. decide upon the admission of new Ordinary Members, Associate Members and Regional Members;
 - f. decide upon the exclusion of Ordinary Members, Associate Members and Regional Members;
 - g. decide upon the transference of an Ordinary and/or Associate Member from one category to another;
 - h. determine the value of the subscription unit;
 - i. elect the President, the elected members of Council and the members of the Financial Commission;
 - j. choose the Ordinary Member to organize the next Congress;
 - k. confirm the Congress Director;
 - l. choose the Ordinary Members and confirm Commission Presidents to be responsible for the Technical Commissions during the next four-year period;
 - m. amend the Statutes and the Bylaws;
 - n. approve Resolutions of the Technical Commissions, Members and Committees;
 - o. ratify Memorandums of Understanding and similar formal agreements with international organizations;
 - p. elect Fellows of the Society;
 - q. appoint Regional Representatives
9. All items to be discussed at the General Assembly must be included in a preliminary agenda sent in advance to all Members. A matter or a candidature not appearing on the agenda of the General Assembly shall not be considered by the General Assembly unless, by direction of the Council and through the agency of the Secretary General, the matter has been brought to the notice of all Delegates at least 24 hours before the meeting and unless the General Assembly first pass a formal vote that it be considered.

BYLAW XI - Council

1. The Council shall constantly pursue the general policy of the Society and maintain the Society in a state of continual scientific activity.
2. A Council meeting shall be held at least once during each calendar year. All Council members are expected to participate fully in these meetings

- and to avoid representation by surrogates or proxy.
3. The Council may prepare Terms of Reference, and issue Guidelines and instructions as necessary to implement the directives of the General Assembly.
 4. In exceptional circumstances the Council may act without approval of the General Assembly, and such actions shall be valid until considered at the next meeting of the General Assembly. But all questions relating to exclusion of an Ordinary Member, Associate Member or Regional Member, lowering of the category of an Ordinary Member, value of the unit of subscription, alteration of the Statutes or Bylaws, and dissolution of the Society or its amalgamation with another international organization must be referred to the General Assembly and decisions thereon shall be taken only by the General Assembly.
 5. Regional Representation. A maximum of three Regional Representatives may be appointed to assist Council to coordinate activities in regions not adequately represented on the Council. They shall be proposed by Council and be confirmed by the General Assembly. A Regional Representative may not serve in that capacity for more than two consecutive inter-Congress periods. The Regional Representatives shall:
 - a. Liaise with Members and potential members within their region and represent the views of those members on Council.
 - b. Make best efforts to ensure that at least one ISPRS meeting is held within the region during the inter-Congress period.
 - c. Encourage members and organizations within their region to support the aims of ISPRS and become Members of ISPRS.
 - d. Attend national and regional activities within their region and promote the aims and activities of ISPRS.
 - e. Attend meetings of the Council and Advisory Board when invited.
 6. The **President** of the Society shall:
 - a. convene and preside over the plenary sessions of Congress, the General Assembly and the Council; he/she may, however, delegate the Director of the Congress to preside at Congress plenary sessions;
 - b. coordinate the activities of the Technical Commissions and Working Groups, according to the decisions and intentions of the General Assembly and the Congress;
 - c. represent the Society in its dealings with national or international institutions or organizations whose activities are of interest to the Society;
 - d. cooperate with other international organizations concerned with photogrammetry, remote sensing, spatial information science, cartography, geodesy, surveying, and other similar disciplines;
 - e. communicate to Members:
 - f. not less than twelve months in advance of the Congress, the date and place of the next meeting of Congress;
 - g. not less than three months in advance of the Congress, the Agenda of the General Assembly, accompanied by an explanation of the purpose and importance of the items of the Agenda, especially those relating to the admission or exclusion of an Ordinary Member, Associate Member or Regional Member, changes in value of unit of subscription and modifications to the Statutes;
 - h. not less than one month in advance of the Congress, the names of the Ordinary Members which have proposed to organize the next Congress;
 - i. not less than one month in advance of the Congress, the names of the Ordinary Members which have proposed to be responsible for each of the Technical Commissions for the next four-year period and the names of their proposed Commission Presidents and Vice-Presidents;
 - j. not less than one month in advance of the Congress, the nominations of members for Council, who have been proposed by Ordinary Members;
 - k. inform Members in writing of the decisions taken at extraordinary meetings of the General Assembly.
 7. The **Congress Director** shall:
 - a. chair the Congress Committee;
 - b. represent the Ordinary Member responsible for the Congress in all matters relating to its organization;
 - c. correspond with Ordinary Members, Associate Members, Regional Members, Technical Commissions, Working Groups, Committees and the Sustaining Members Committee concerning the scientific and social programs of the Congress;
 - d. report to the Council the measures being taken to assure the publication of *The International Archives and Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences* relating to that Congress and shall be available for consultation on the planning of all matters related to the forthcoming Congress.
 8. The **First Vice-President** shall:
 - a. assist the President in his/her duties when called upon by the President to do so;

- b. act for the President should he/she be prevented by circumstances outside his/her control from fulfilling his/her duties;
 - c. serve as the Chairperson of the Resolutions Committee to coordinate Resolutions from the Technical Commissions, Members and Committees for consideration by the General Assembly;
 - d. coordinate the proper and timely procedures for the awards.
9. The **Second Vice-President** shall:
- a. assist the President in any manner requested by President;
 - b. fulfil the responsibilities of the First Vice-President should he/she be prevented from acting;
 - c. review, maintain and update the Statutes, By-laws and Guidelines.
10. The **Secretary General** shall:
- a. perform the duties of Secretary of the General Assembly, of the Council and of the Congress meeting in plenary session, arrange the meetings of these bodies, and draw and distribute their agenda and minutes at the proper time;
 - b. at the request of the President, represent the Society in its dealings with national or international institutions or organizations whose activities are of interest to the Society;
 - c. deal with the correspondence of the Society and ensure the keeping of the records, and distribute to Members relevant information and communication;
 - d. collate the reports of the Technical Commissions and distribute information concerning the Commissions;
 - e. collaborate with the Congress Committee and the Boards of the Technical Commissions concerning the recording and writing up of all proceedings and concerning the publication of the Archives and Annals (contents, presentation, distribution);
 - f. ensure timely preparation and dissemination of Society publications;
 - g. ensure that the decisions taken at Congresses are speedily carried out;
 - h. receive the credentials of Delegates, Advisors and Representatives appointed by Ordinary Members, Associate Members and Regional Members to represent them at the Congress and report in writing to the President on their voting rights.
 - i. coordinate the scheduling of all events of the Society.
11. The **Treasurer** shall:
- a. complete the accounts for hand over to the new Treasurer, within two months of the end of the Congress. The new Treasurer shall re-
place the outgoing Treasurer on receipt of the final accounts;
 - b. issue annual invoices, one month before the upcoming fiscal year, in which the fee is due to Ordinary Members, Associate Members, Regional Members, and Sustaining Members and inform them of the proper procedures for remittance of subscription fees. The Treasurer shall send periodic reminders to those in arrears;
 - c. collect the funds of the Society and administer them in accordance with the decisions of the General Assembly and the instructions of the Council;
 - d. keep account of all financial transactions and submit a statement of accounts, at the end of each fiscal year, to the Financial Commission for audit;
 - e. assemble the complete accounts of the Society for the four-year term, at the end of the fiscal year prior to the Congress, and submit them to the Financial Commission for audit;
 - f. submit to the Secretary General, prior to the meeting of the General Assembly, a list of Ordinary Members, Associate Members and Regional Members that have not yet paid their annual subscription fee up to and including the year prior to the General Assembly;
 - g. submit a financial statement to each Council meeting and a summary financial report to the General Assembly.

BYLAW XII - Headquarters

Provided that the Statutes and Bylaws of the Society do not run counter to the laws pertaining to associations in the country where the Secretary General is domiciled, the residence of the Secretary General shall be the headquarters of the Society, except when the Council decides for a more convenient alternative.

BYLAW XIII - Technical Commissions

1. The main tasks of a Technical Commission shall be:
 - a. to follow the technical and scientific progress within its field and report thereon to the Congress;
 - b. to provide initiative in technical and scientific progress, especially by establishing Working Groups, arranging International Symposia, and organizing experiments on research;
 - c. to identify the results of research and development in order to present them for discussion at the Congress;
 - d. to propose actions leading to the promotion and evaluation of the photogrammetry, remote sensing and spatial information sciences, and to assist the Council in defending these proposals to the authorities concerned;

- e. to assist in international standardization activities in subject matters related to the photogrammetry, remote sensing and spatial information sciences;
 - f. to promote continuing education by organizing tutorials;
 - g. to report to Council on the implementation of their program in accordance with Bylaws and Technical Resolutions.
 - h. to submit a report as requested by Council on its areas of responsibility to the Society. The report should include activities and the state-of-the-art of the science and technology of the Commission and Working Groups.
2. Activities in the photogrammetry, remote sensing and spatial information sciences shall be divided into five areas of major interest and each area shall be entrusted to a Technical Commission. The areas of responsibility for the Technical Commissions shall be as follows:

Commission I: Sensor systems

Commission I is concerned with the design, construction, characterization, calibration and use of imaging sensors, sensor systems and sensor networks for photogrammetry, remote sensing and spatial information science, such as air- and space-borne digital cameras (frame and video) and laser scanners, and thermal, hyperspectral and radar sensors. It investigates the different platforms for data acquisition, including, but not restricted to, UAS, mobile mapping systems, aircraft, satellites including small satellites and satellite constellations. Commission I also cooperates with the related industry sector.

Commission II: Photogrammetry

Commission II deals with the theory and methodology for extracting and analysing spatio-temporal information of objects from terrestrial, aerial and satellite images, image sequences and point clouds, by using approaches from photogrammetry, image analysis and computer vision, with emphasis on accurate and reliable geometric information. Applications include image-based 3D measurement in geospatial data acquisition, extra-terrestrial mapping, engineering and industrial metrology, heritage recording, forensic analysis, robotics, driver assistance systems, surveillance, medical applications, gaming and movie industries, and other fields. Commission II cooperates with international societies in computer and machine vision and related industry and is the point of contact for CIPA.

Commission III: Remote sensing

Commission III is concerned with research, development, investigation and operational use of methods and systems for the analysis of remotely sensed observations of the Earth from air- and space-borne sensors, in synergy with in-situ and

hand-held measurements. Examples include physical modelling of electromagnetic radiation, the analysis of spectral signatures, image classification, data fusion and pattern recognition. Applications dealt with in Commission III include environmental monitoring for sustainable development and global change; mapping of human and natural activities including land cover, land use and biodiversity; physical and empirically based process monitoring; assessment and mitigation of disasters; identification and assessment of renewable and non-renewable resources; and the monitoring of temporal changes in weather and in land and sea cover. Commission III cooperates intensively with national Space Agencies and is the point of contact for ICORSE.

Commission IV: Spatial Information Science

Commission IV deals with theoretical and practical aspects of modelling, management, analysis, dissemination and visualization of geospatial data, including interoperability, web services and geospatial data infrastructure. It is also concerned with applications and operational use of spatio-temporal information in areas such as environmental monitoring, disaster management, mobility, 3D city models, Building Information Systems (BIM), social media, location-based services and health. Commission IV also provides links to international bodies and to National Mapping and Cadastre Agencies.

Commission V: Education and Outreach

Commission V deals with education, training, capacity building and outreach in all areas related to ISPRS. It is also the home Commission for the ISPRS Student Consortium. In carrying out its tasks, Commission V cooperates intensively with Commissions I - IV and with other international geospatial societies.

3. An Ordinary Member (or Ordinary Members) seeking responsibility for a Technical Commission shall submit to the Secretary General an application which includes the activities and the names of the proposed Commission President and Commission Vice-President. Ordinary Members are encouraged to consider proposing a Commission Vice-President from another Ordinary Member and seek the support of this other Ordinary Member for the application to host a Commission. This application shall be submitted at least four months prior to the commencement date of the Congress.
4. In choosing the Ordinary Member or group of Ordinary Members to be entrusted with the responsibility for the work of a Commission, the General Assembly shall take into consideration all relevant factors, including in particular:
 - the various Ordinary Members willing to undertake the responsibility;

- the scientific and technical ability available to each candidate;
 - the professional standing and ability of the persons proposed as Commission President and Commission Vice-President;
 - the ability and willingness of each Ordinary Member and other organizations in its country to support a Commission;
 - the program of Commission activities proposed by the Ordinary Members and in particular the Working Groups, their chairpersons and the events contemplated.
5. The Ordinary Member (or Ordinary Members) entrusted with a Technical Commission shall assume responsibility for the technical and financial management of the Commission. They shall prepare the Commission and Working Group reports and be responsible for production of the proceedings of its Symposium for publication in the Archives and/or Annals.
 6. A Technical Commission shall be autonomous in scientific matters but the Commission President shall keep the President of the Society and the Council fully and promptly informed of all its activities and the progress of its work. The Presidents of Commissions shall meet with the Council as and when necessary to coordinate the work of the Commissions.
 7. Commissions I, II, III and IV are expected to organize an International Symposium in the period between two Congresses. Commission V is encouraged to cooperate with the other Commissions and organize events during their Symposia and/or during other ISPRS events. Before arranging an International Symposium, the Commission shall obtain the consent of the Council. Ordinary Members organizing an International Symposium shall sign a contract with the Society and be responsible for ensuring that adequate provisions are made for the Symposium. Such Symposia shall be devoted to the field of the Commission and preparation for the ensuing Congress. Two or more Technical Commissions may collaborate to organize a joint Symposium as a single event. The Symposium should include appropriate activities designed to attract students and the fee for students should be set at a level which will enable a good attendance by students and should be no more than 50% in general of the early registration fee.
 8. The Commission President, in accordance with the Commission Vice-President, shall have the right to invite a limited but sufficient number of persons to join the Commission Board for a particular field of interest to the Commission. Board members shall be chosen entirely at the President's own discretion, for the special knowledge or facilities they may possess which will enable them to give the assistance desired. They may be invited from any country and international representation shall be encouraged.
 9. Each Ordinary Member and Associate Member shall be entitled to appoint one Correspondent to each Commission. It may change its Correspondent or appoint a substitute at any time.
 10. The Commission Board shall review the Resolutions approved by the Congress and identify subjects requiring detailed study, trials or experimental research. It shall establish Working Groups to undertake these investigations and it shall ensure that all measures outlined in the Resolutions are covered by Working Group activities. If, in this connection, important divergences of opinion should arise within or between Commissions, the Council shall determine the course of action. The terms of reference and duration of the Working Groups shall be clearly defined and must be approved by Council.
 11. The Working Group shall consist of:
 - the Chairperson of the Working Group;
 - optionally one or two Co-Chairpersons and one Working Group secretary;
 - a group of specialists chosen by the Chairperson, not in consideration of country but of qualification and commitment;
 - other interested, competent specialists who have indicated a commitment to contribute and participate.
 12. A Working Group may be established to study a subject pertinent to the fields of more than one Commission. It shall then be called an Inter-Commission Working Group. The President of the initiating Commission shall notify the Council of the intention and reach agreement with the Presidents of other Commissions concerned. The Council shall pronounce on the advisability of setting up such an Inter-Commission Working Group and designate the Commission which it most concerns and within which it shall make its report.
 13. Each Working Group shall report annually to the Commission President concerned, in addition to reporting through the appropriate Commission at the Congress. When a Working Group has treated its subject sufficiently for the time being, or has been found to be inactive, the Council shall dissolve the Working Group, normally on the initiative of the Chairperson of the Group or the President of the Commission concerned.
 14. At least six months in advance of a Congress, the President of each Technical Commission shall form a committee to prepare Resolutions for the Commission. This Committee shall identify the more important problems requiring solution and submit to Council Resolutions on the work needed to solve them, no later than three months in advance of the Congress.

15. Prior to the Congress, the First Vice-President shall form the Resolutions Committee, which shall coordinate the Resolutions of all Technical Commissions, Members and Committees with regard to practicality, shall ensure that they are set down in suitable standard form and are presented in at least one of the official languages of the Society.
16. During a Congress or Symposium all photogrammetric, remote sensing and spatial information specialists rightfully present shall be free to participate in all activities of a Technical Commission.

BYLAW XIV - Financial Commission

1. Each member of the Financial Commission shall be of a different nationality. No member of the Financial Commission shall be of the same nationality as any member of Council. Delegates to the General Assembly shall not be excluded from serving as members of the Financial Commission. In this context, nationality shall be that of the Ordinary Member which nominates the candidate.
2. The Financial Commission shall advise the Council on all financial matters at any time upon the request of the Council.
3. The outgoing Financial Commission shall continue to serve after the Congress to ensure that the outgoing Treasurer hands over the accounts and funds of the Society to the new Treasurer within two months of the Congress. The new Financial Commission shall replace the outgoing Financial Commission at the same time as the changeover of Treasurers, and report to the Council that the changeover has been satisfactorily accomplished.
4. The Financial Commission shall examine and audit accounts of the Treasurer once every year, and submit its recommendations to the Council.
5. In the event that a member of the Financial Commission becomes unable to continue in office, on the advice of the remaining members of the Commission, the Council may approve a replacement.

BYLAW XV - Finances

1. The fiscal year of the Society shall be 1st January to 31st December. All annual subscription fees of Ordinary Members, Associate Members, Regional Members and Sustaining Members shall be paid before the end of the fiscal year. If admission is established after June 30, the new member only has to pay 50% of the annual fee for that year.
2. The annual subscription fee paid by an Ordinary or Associate Member shall be defined through the number of units of subscription assigned to its category of Membership in accordance with the following table:

Category	1	2	3	4	5	6	7	8
	Subscription Units							
Ordinary Member	1	2	6	10	16	24	32	48
Associate Member	1	6	12	24				

3. The value of the subscription unit shall be fixed by the General Assembly.
4. The subscription fees of Individual Members, Sustaining Members and Regional Members, established by the Council, shall be ratified by the General Assembly.
5. Bank accounts of the Society shall be held in the names of two persons, normally the President and the Treasurer.
6. Gifts and legacies offered to the Society may be accepted by The ISPRS Foundation Board of Trustees and ratified by the General Assembly.
7. Finances of the Society shall be controlled as follows:
 - a. An annual budget for revenues and expenditures for each fiscal year shall be prepared by the Treasurer, examined in detail by the Financial Commission, and passed on to the Council for approval, one month prior to the end of the previous fiscal year.
 - b. Recommendations for grants to support philanthropic activities of the Society shall be prepared by the Council and forwarded to the Board of Trustees of The ISPRS Foundation for action.
 - c. Additional expenditures for routine operations can be approved by the Treasurer. Expenditures for extraordinary items must receive Council's approval.

BYLAW XVI - Voting

1. A quorum for convening a General Assembly shall require that the Ordinary Member delegates representing fifty percent (50%) of the total sum of eligible votes be present at the commencement of the General Assembly at which the voting is taking place.
2. When a vote by correspondence is required, voting papers shall be sent electronically or by airmail to every Ordinary Member eligible to vote. The final date for the return of the vote set at three months after the mailing, and the position of Council with respect to the vote will be included. All ballots not returned by the time limit set will be recorded as considered to be in support of the Council position.
3. Members who raise their category at a General Assembly shall receive voting rights at the higher category if they have paid their annual membership subscription fee at the higher category for the fiscal year of the General Assembly.

BYLAW XVII - Regulations and Directives

1. The decisions of the Plenary Session of a Congress and the decisions of the General Assembly shall be made known to Members and Technical Commissions of the Society without delay.
2. Except where specified otherwise a quorum of fifty percent (50%) of the total sum of eligible votes at the commencement of the General Assembly at which voting is taking place, shall be required for decisions at the General Assembly.
3. Decisions taken by the Council shall be promptly communicated to Members by the Secretary General.
4. *Conflict of Interest.* All individuals acting on behalf of ISPRS, whether they are on the Council, Technical Commission Presidents, Working Group officers, ISPRS Committee members, awards jury members or other individuals appointed by ISPRS to act on its behalf, shall disclose to the Council any duality of interest or possible conflict of interest, whenever the duality or conflict pertains to a matter for which this individual is required to make a decision. The Council shall decide on whether the individual can take part in further

discussion or vote on the item where duality or conflict occurs, or whether the individual should be replaced.

BYLAW XVIII - Languages

During a Congress, or a Symposium of a Technical Commission, the host Ordinary Member may offer, entirely at its own expense, translation to the language of the host country.

BYLAW XIX - Dissolution or Amalgamation

In the instance of dissolution of the Society the funds shall be donated to a recognized international charitable organization selected by the Council and the Financial Commission. The records of the dissolution shall be deposited with the organization that has assumed responsibility for *Archives and Annals*. In the instance of amalgamation of the Society into a new organisation, the funds shall be donated to that new organisation.

BYLAW XX - Amendments to Statutes and Bylaws

Amendments to Statutes and Bylaws shall take effect at the times set by the General Assembly.

Original Bylaws adopted by the General Assembly of the 11th Congress, July 1968, at Lausanne, Switzerland.

Bylaws amended by the General Assembly of the 12th Congress, August 1972, at Ottawa, Canada.

Bylaws amended by the General Assembly of the 14th Congress, July 1980, at Hamburg, Federal Republic of Germany.

Bylaws amended by the General Assembly of the 15th Congress, June 1984, at Rio de Janeiro, Brazil.

Bylaws amended by the General Assembly of the 16th Congress, July 1988, at Kyoto, Japan.

Bylaws amended by the General Assembly of the 17th Congress, August 1992, at Washington, D.C., USA.

Bylaws amended by the General Assembly of the 18th Congress, July 1996, at Vienna, Austria.

Bylaws amended by the General Assembly of the 19th Congress, July 2000, at Amsterdam, The Netherlands.

Bylaws amended by the General Assembly of the 20th Congress, July 2004, at Istanbul, Turkey.

Bylaws amended by the General Assembly of the 21st Congress, July 2008, at Beijing, China.

Bylaws amended by the General Assembly of the 22nd Congress, August 2012, at Melbourne, Australia.

Bylaws amended by postal vote, May 2014.

Bylaws amended by postal vote, May 2015.

Bylaws amended by the General Assembly of the 23rd Congress, July 2016, at Prague, Czech Republic.

President: Chen Jun (2012-2016)

Secretary General: Christian Heipke (2012-2016)

Award Policy

In recognition of the value and prestige associated with ISPRS Awards, in 1998 the Council developed the following ISPRS Awards Policy, which was ratified by the ISPRS General Assembly in Amsterdam and revised in 2009 and in 2015.

1. ISPRS Awards shall recognize outstanding contributions and achievements by an individual or individuals in the pursuit of, or for a major realization of, the objectives of ISPRS.

2. The Terms of Reference of ISPRS Awards shall be in accordance with the Statutes and Bylaws of the Society.
3. The Terms of Reference of ISPRS Awards shall be specified in written form in the English language. They are subject to approval by Council.
4. The Terms of Reference and background shall be communicated to ISPRS members through official documents of the Society.
5. ISPRS Council shall appoint an Awards Nomination Committee which will ensure that the Awards are

well publicized and that at least two nominations are received for each Award for submission to the jury for each Award. The Nomination Committee may make nominations themselves.

6. All new ISPRS Awards shall consist of a reward of substantial monetary value, or an item of high intrinsic value (a minimum of Swiss francs 2,500 or equivalent), together with a certificate or plaque of recognition.
7. In order to establish a new long-term award (for a minimum of 12 years), the sponsoring organization shall make a commitment for a minimum period of support of 12 years in the formal proposal for the award to the President of ISPRS, for approval by Council.
8. The funding and preparation of ISPRS Awards shall be provided by the sponsoring organization(s) and

delivered to the Congress Director and Treasurer. after the Awardee(s) have been identified.

9. Each new ISPRS Award shall be granted for a specific purpose, which shall not overlap significantly the purpose of another ISPRS Award.
10. Presentations of ISPRS Awards shall be made at an appropriate event, preferably a plenary session, General Assembly of the Congress, or Gala Dinner.
11. Amendment to the Terms of Reference of an ISPRS Award shall require agreement of Council with the Award sponsor. The sponsor shall then prepare the amended Terms of Reference in final form for Council approval.
12. It is expected that the recipient will attend the Congress to receive the award.

Awards Nomination Committee

Terms of Reference

1. The Awards Nomination Committee shall be appointed by Council and shall include 2 Council Members (SG and 1VP), 2 Honorary Members, a representative of the Editors in Chief of the two ISPRS journals and 2 other persons. The ISPRS First Vice President will chair the Committee.
2. The Committee shall, in cooperation with the Secretary General, ensure that information about the ISPRS Awards is widely disseminated amongst Members, academic institutions and other organisations involved the photogrammetry, remote sensing and spatial information sciences.

3. The Committee shall canvass Members, academic institutions and other organisations involved in the photogrammetry, remote sensing and spatial information sciences in an endeavour to ensure that all deserving candidates are considered for nomination for each Award, and that nominations are made for all awards. Nominations may be made by the Committee.
4. The Committee shall ensure that appropriate biographical information is compiled on each nominee, and made available for consideration by the jury for each Award.

Updated 10th June 2015

The Brock Gold Medal Award

Preamble

The periodic Award of a gold medal was instituted in 1952 by the ISP to encourage the advancement of photogrammetry. The funds for the provision of medals were given in memory of Arthur and Norman Brock. On 22nd May, 1954 and 25th March, 1955, the Council of the ISP adopted unanimously certain rules governing the Award of the medal and further resolved that those rules should remain in force until altered by the unanimous vote of the Council which provision is still valid. On 8th May 1957, on 20th April 1999 and on 9th September 2009, the Council considered alterations to the rules and subsequently by correspondence agreed by unanimous vote to alter them and rewrite them as follows:

Rules governing the award

1. The medal shall be known as the Brock Gold Medal Award and shall be awarded at the sole

discretion of the Council of the ISPRS in accordance with the following rules.

2. The person to whom the Award is to be made shall be selected irrespective of nationality and solely in respect of contribution to the accomplishment to be signaled by the Award.
3. The medal shall be awarded only in respect of an outstanding landmark in the evolution of the photogrammetry, remote sensing and spatial information sciences, which shall be a proven contribution to these sciences and technologies of whatever form, whether a major completed project or program, some fundamentally new equipment, system or fundamentally new technique, or other new departure.
4. The landmark in the evolution of the photogrammetry, remote sensing and spatial information sciences to be thus signaled by the Award of the medal shall have proven its worth as a contribution to the advancement of these fields at least

two years prior to the Congress at which the Award is to be made and in general not more than some twelve years prior to the Congress.

5. Recommendations for the Award of the medal shall be made in accordance with the following rules:
 - a. The Council shall, two years prior to each Congress, invite the member societies to submit recommendations for recipients of the Award.
 - b. Every recommendation for the Award shall be made by two individuals who adhere to the ISPRS through any of the forms of membership and who are neither of the same nationality as their candidate nor of the same nationality as one another.
 - c. Recommendations shall be in respect of an individual and not of a group of individuals nor of any organization or commercial firm. However, as many advances in the photogrammetry, remote sensing and spatial information sciences, and in the execution of projects and programs, may be largely due to team work, it shall be allowable to recommend the leader or the leading spirit of a team of workers, or such person as the team itself may think has made the most important or outstanding or fundamental contribution to their work.
 - d. Every recommendation shall be made in writing to the President of the ISPRS and shall be accompanied by documentation and an explanation of the grounds of the recommendation that shall be sufficiently full to enable the Council to evaluate them.
 - e. The nominators may consult organizations or individuals of the country in which their candidate has been working, who are involved in the photogrammetry, remote sensing and spatial information sciences, and if they do so, they must include in their documentation the advice they have received.
 - f. Recommendations shall be made only during the period between the close of one Congress and nine months before the opening of the next.
 - g. All recommendations made prior to one Congress shall lapse at the conclusion of that Congress, whether or not any medal was awarded at it. It is permissible to revive a recommendation that has lapsed by making a fresh recommendation.
6. The selection of the person to receive the medal shall be made by the Council in accordance with the following rules:
 - a. Any member of the Council who has been recommended for the Award shall not, while their name remains one that can still be considered, take part in the proceedings of selection or be counted as a member of Council for the purpose of calculating the proportion of votes cast under this rule.
 - b. Nine months before each Congress the Council shall begin to consider all recommendations received to date, and may at the same time consider the merits of the work of any other person (except a member of Council) that the Council itself deems worthy of consideration for the Award. The Council shall complete its consideration and reach its conclusion in sufficient time to permit the preparation of the medal and its presentation at the Congress.
 - c. The Council may use whatever procedure it thinks fit to reach its conclusions, provided a final selection is made by vote. In such voting a Councillor of the same nationality as a candidate not yet eliminated shall have no vote and a candidate to be successful must receive the votes of not less than two thirds of those entitled to vote. Votes may be cast in person or by post.
7. The Council shall normally expect to Award one medal at each Congress. It may abstain from awarding a medal at any particular Congress, in which case it may award an additional medal at the Congress next following but not later.
8. The name of the recipient of the medal shall be announced at the Congress, and the medal shall, whenever practicable, be presented in person at the Congress by the President.
9. The medal shall not be awarded posthumously, other than in the exceptional event of the candidate dying after having been selected for the Award, in which case the Council shall decide whether to award the medal posthumously or not at all or to some other candidate.
10. The ASPRS Foundation, Inc. (the Foundation) shall establish a trust fund for providing the Brock Award medals. The terms of the trust deed and any modifications thereof shall be subject to the approval of the Foundation and the Council of the ISPRS. The trust fund established by the Foundation shall contain provisions for safeguarding the capital value of the assets and for all accrued interest to be used for the provision of medals. The Foundation Board of Trustees is appointed by the President of the American Society for Photogrammetry and Remote Sensing, which Society shall be responsible to report periodically to the Council of the ISPRS for the proper conduct of the affairs of the trust.

Amendments approved by the ASPRS and the ISPRS Council on 9th September 2009

The winners of the award

1956	L. Bertele, Switzerland	1988	D. Brown, USA
1960	W. Schermerhorn, Netherlands	1992	G. Brachet, France
1968	H. Schmid, USA	1996	Y.S. Tjufin, Russia
1972	U.V. Helava, Canada	2000	J. Dangermond, USA
1976	F. Ackermann, Germany	2004	K. Kasturirangan, India
1980	G. Hobrough, Canada	2008	A. Grün, Switzerland
1984	F.J. Doyle, USA	2012	F. Leberl, Austria
		2016	W. Förstner, Germany

The Otto von Gruber Award**Preamble**

On the initiative of Dr. Ir. W. Schermerhorn, the Board of the ITC Foundation decided on 26th September 1961 to set aside funds for the assignment of a periodic award in memory of Otto von Gruber. In 2015 the responsibility for

the award was transferred to the Netherlands Center of Geodesy and Geo-informatics (NCG). The award will be made in accordance with the following amended regulations which have been approved by the Board of the NCG and the Council of the International Society for Photogrammetry and Remote Sensing.

Regulations**Article 1**

The Award shall be known as the Otto von Gruber Award and consist of a medal and a monetary grant. It will be made every four years to the author of a paper of outstanding merit in the photogrammetry, remote sensing and spatial information sciences. A person may be given the Award only once.

Article 2

An applicant for the Award must meet the following requirements:

- a. The Award will be made for one or more papers appearing in published editions of a peer reviewed journal.
- b. Submitted papers shall be written by the applicant only, or, when the applicant is first author of a multi authored paper, when evidence is received that the paper is primarily the work of the applicant.
- c. The paper shall be published within the four years immediately preceding the year of the Congress of the International Society for Photogrammetry and Remote Sensing (ISPRS) at which the Award is to be presented.
- d. The applicant should not be older than 40 years on the opening day of the Congress and should have an academic degree in one of the

disciplines relevant for scientific fields of ISPRS.

Article 3

An applicant for the Award shall submit the paper to the President of the ISPRS at least six months before the opening of the Congress. The paper may be written in any language, but must be submitted to the President in one of the official languages of ISPRS.

Article 4

A jury of individuals shall appraise the papers submitted to the President and, on the basis of a majority vote of the jury members, select the best paper, the author of which shall be the recipient of the Award. The jury shall be composed as follows:

- a. The President of ISPRS (who will have no vote except in the event of a tied vote);
- b. Three qualified individuals designated before each Award by the following authorities:
 1. The Council of the Deutsche Gesellschaft für Photogrammetrie, Fernerkundung und Geoinformation e. V. (DGPF).
 2. The Council of the United Kingdom Remote Sensing and Photogrammetry Society (RSPSoc).
 3. The Chairman of the Netherlands Center of Geodesy and Geo-informatics (NCG).
- c. If two of the jury members mentioned in paragraph b. wish to increase the number of members of the jury, the President of the ISPRS and the previous incumbent of the office each shall name a supplementary member who shall be of nationalities different from each other and different from German and British.
- d. No member of the jury, except the President of ISPRS, shall be from the same institution as any applicant for the Award.

Article 5

The jury is free to decide:

- a. to invite applications from persons who have not submitted an application provided that the requirements stated in Article 2 are complied with;
- b. that no Award be made when, in its judgment, there is no paper of sufficient merit;

- c. that two Awards be made at one Congress when, in its judgment, the papers of two candidates are of equal merit.

Article 6

The decision of the jury is final.

Article 7

The result of the jury's decision shall be announced at a Plenary Session of the Congress and the Award shall then, whenever practicable, be presented to the recipient in person by the Secretary General or the President.

Article 8

In case any translation of the above regulations gives rise to ambiguity, the English text will be decisive.

Amendments approved by the Board of Governors of the ITC Foundation on 23rd January, 1986 and the ISPRS Council on 16th April, 1987.

Further amendments approved by the ITC Foundation, the UK RSPSoc and ISPRS Council on 17 June 2004

Further amendments approved by the ITC Foundation, the UK RSPSoc and ISPRS Council on 9th September 2009.

Further amendments approved by the Board of the NCG and ISPRS Council on July 08, 2015.

The winners of the award

1964	F. Ackermann, Germany
1972	H. Ebner and J. Höhle, Germany
1976	F. Leberl, Austria
1980	A. Grün, USA
1988	P. Curran, Great Britain
1992	C. Heipke, Germany
1996	H.G. Maas, Switzerland
2000	H. Mayer, Germany and M.G. Vosselman, The Netherlands
2004	S. Heuel, Switzerland
2008	M. Butenuth, Germany
2012	J.-H. Haunert, Germany
2016	W. Y. Yan, Canada

The Schwidefsky Medal



The *Deutsche Gesellschaft für Photogrammetrie, Fernerkundung und Geoinformation* (DGPF) decided to present an award in memory of Prof. Dr. rer. techn. Dr.-Ing. E.h. Kurt Schwidefsky, honorary member of the International Society for Photogrammetry and Remote Sensing (ISPRS), which

is called the (Schwidefsky Medal).

This medal will be awarded according to the following conditions:

Rules governing the award

This medal will be awarded according to the following conditions:

Article 1

Normally, the medal shall be awarded at each Congress of the International Society for Photogrammetry and Remote Sensing.

Article 2

At any Congress the medal may be awarded to no more than two candidates.

Article 3

The medal will be presented to the recipient together with a certificate issued by the Deutsche Gesellschaft für Photogrammetrie, Fernerkundung und Geoinformation.

Article 4

Nominations shall be submitted to the ISPRS President no later than six months prior to the Congress at which it will be presented. Candidates may self nominate.

Article 5

Recipients shall be persons who have made significant contributions to the photogrammetry, remote sensing and spatial information sciences, either through the medium of publication as author or editor, or in the preparation of educational or promotional material in any media, in the area of photogrammetry, remote sensing or spatial information science.

Article 6

The Award is decided on by a selection committee consisting of the President of the Deutsche Gesellschaft für Photogrammetrie und Fernerkundung (Chair), the President of ISPRS and the Secretary General of ISPRS.

Article 7

The medal will be awarded at an appropriate event of the Congress.

Bonn, November 1986

Amendments approved by the DGPF and the ISPRS Council on 1 April 2004

Amendments approved by the DGPF and the ISPRS Council on 9th September 2009

The winners of the award

1988	K. Rinner, Austria G. C. Tewinkel, USA	2004	E. Baltsavias, Switzerland Z. Li, Hong Kong
1992	K. Atkinson, United Kingdom W. Hofmann, Germany	2008	G. Kemper, Germany K. Szangolies, Germany
1996	J. B. Case, USA A. P. Cracknell, United Kingdom	2012	G. Vosselman, The Netherlands
2000	G. Ducher, France L. R. A. Narayan, India	2016	C. K. Toth, USA C. Mallet, France

The Schermerhorn Award

In 1988 the "Nederlandse Vereniging voor Fotogrammetrie" instituted the Schermerhorn Award in memory of Prof. Dr. Ir. Willem Schermerhorn for the promotion of international activities in various areas of specialization of the photogrammetry, remote sensing and spatial information sciences.

Rules governing the award**Article 1**

The scientific, technical and professional achievements of ISPRS depend to a very large extent on the results presented by working groups at symposia and congresses. Activities of working groups are the cornerstone of the functioning of ISPRS. The Schermerhorn Award will recognize contributions on the working group level and can be made to a Working Group Chair, Co-chair, Secretary or member of a working group.

Article 2

The Schermerhorn Award is granted to a member of a working group who, through his/her commitment, has achieved extremely worthwhile and successful scientific meeting(s) of a very high level, gaining sufficient interest (participation by a broad range of countries worldwide) and high level of reporting throughout the four year period up to an ISPRS Congress.

Article 3

The Schermerhorn Award shall consist of a plaque and monetary grant of 1,250 CHF provided by the Society "Geo-Information Netherlands."

Article 4

Normally, the award shall be presented to the winner at each quadrennial Congress of ISPRS.

Article 5

The Jury of five individuals is composed of the President of ISPRS (Chair), a board member of Geo-Information Netherlands, the Rector of ITC, and a professor in the field of Photogrammetry, Remote Sensing and GIS of Wageningen University and Research Centre, and of Delft University of Technology.

Article 6

Nominations for the Award shall reach the President of ISPRS not later than six months prior to the Congress at which it will be presented. The Jury may itself nominate candidates. Candidates may not self nominate.

Article 7

The Jury may decide not to present any award. Decisions are made by simple majority vote. In case of a tie, the vote of the Chairman shall be decisive. The decision of the Jury is final.

Amendments approved by GIN and ISPRS Council in April and ratified by ISPRS GA in July 2004.

Amendments approved by GIN and ISPRS Council in September 2009 and ratified by ISPRS GA in August 2012

The winners of the award

1988	G. Guyot, France
1992	I. Dowman, United Kingdom
1996	D. M. McKeown, USA
2000	T. Woldai, The Netherlands
2004	M. Madden, USA
2008	S. Zlatanova, Netherlands
2012	C. Ö. Kivilcim, Turkey
2016	U. Stilla, Germany

The Samuel Gamble Award



Preamble

In 1984 the Canadian Institute of Surveying and Mapping resolved to sponsor an award in honour of Dr. Samuel G. Gamble, former President of the International Society for Photogrammetry and Remote Sensing and Director of the

1972 Congress. Establishment of the award was approved by the Council of the International Society for Photogrammetry and Remote Sensing in March 1985. The award is to be granted according to the following regulations:

Regulations

Article 1

The award shall be known as The Samuel Gamble Award, and it will be granted at each Congress of the International Society for Photogrammetry and Remote Sensing (ISPRS).

Article 2

Up to three awards may be made at each ISPRS Congress.

Article 3

A recipient of the award shall be a person who, like Dr. Gamble, has contributed significantly to the development, organization or professional activities of photogrammetry and/or remote sensing, at the national or international level.

Article 4

The award shall consist of a certificate, issued by the Canadian Institute of Geomatics.

Article 5

The recipient(s) of the award shall be selected by a selection board consisting of the President of the Canadian Institute of Geomatics, or his or her nominee, and two individuals appointed by the Council of ISPRS.

Article 6

No member of the Council of ISPRS shall be eligible to receive the award while serving on the Council.

Article 7

The award shall be presented during a General Assembly of the ISPRS Congress.

The winners of the award

- 1988 O. Coker, Nigeria
B.A. Sikilo, Kenya
J. van der Weele, The Netherlands
- 1992 M. Carbonnell, France
G. Hildebrandt, Germany
S. Vibulsresth, Thailand
- 1996 P. Waldhäusl, Austria
M. Araya Figueroa, Chile
- 2000 A. Abiodun, Nigeria
B. Forster, Australia
- 2004 R. Harris, UK
H. Nyalopa, Kenya
V. Savinkykh, Russia
- 2008 W. K. Ottichilo, Kenya
J. Kufoniyi, Nigeria
Li D., China
- 2012 K. Cho, Japan
- 2016 N. El Sheimy, Canada

The Eduard Doležal Award



In memory of Prof. Dr. Eduard Doležal, the Austrian Society for Surveying and Geo-information in 1992 has established an award which will be presented according to the following regulations on the occasion of the Congress of the International Society for Photogrammetry and Remote Sensing, beginning with the 18th Congress in Vienna.

Prof. Dr. Eduard Doležal was born the son of a weaver on 2 March 1862 in Moravské Budějovice (Budwitz, Moravia), studied mathematics and physics in Vienna

and in 1889 became a teacher of mathematics at the Technical Secondary School in Sarajevo, Bosnia. In 1905, he was offered a chair in practical geometry at the Technical University in Vienna. Three years later, in 1908, he was elected president of the University.

As early as 1896 he wrote a paper about "The Application of Photography to Practical Measuring Tasks". On 5 May 1907, he founded the Austrian and on 4 July 1910 the International Society for Photogrammetry. He served as first president of ISP until 1926. Doležal founded the International Archives for Photogrammetry and edited the first six volumes (1908 - 1923). He also organized the first International Congress for Photogrammetry (24 to 26 September 1913) in Vienna. He died, showered with honours, on 7 July 1955 in Baden near Vienna. Those who knew Doležal also

spoke highly of his social awareness, his visions, his methodical work, all of which aimed at international cooperation. Thus, it is fitting that this award, named after the founding father of ISPRS, should acknowledge these qualities.

The Eduard Doležal Award specifically encourages activities which in a well-organized way, permanently and effectively promote photogrammetry, remote sensing or GIS. His social awareness will be emphasized by considering only candidates from developing and reform countries.

Regulations

Article 1

The Eduard Doležal Award is a grant for furtherance, aimed to assist individuals or representatives of institutions, from developing or reform countries, to participate in the ISPRS Congress.

Article 2

The Eduard Doležal Award consists of a certificate provided to ISPRS by the Austrian Society for Surveying and Geoinformation, complimentary registration provided by the respective Congress organizer, and a limited travel and expense grant from the Eduard Doležal Fund. The grant is to cover travel and residence expenses for at least one participant to attend the Congress. In the case of short distance journeys, two grants may be awarded.

Article 3

The Austrian Society for Surveying and Geoinformation shall serve as trustee to the Eduard Doležal Fund. The amount of grant funds available for distribution will be communicated to ISPRS Secretary General nine months before each ISPRS Congress.

Article 4

Applications or nominations must include all the particulars noted in Article 5 and must be filed with ISPRS Secretary General no later than seven months before the beginning of an ISPRS Congress.

Article 5

Candidates for the Eduard Doležal Award must meet the following requirements:

1. They shall have completed their studies in one of the branches represented by the ISPRS Commis-

sions, with the foundation of their education in the subjects covered by photogrammetry, remote sensing, and GIS.

2. They must present documentary evidence which demonstrates that they have permanently implemented a practical application of photogrammetry, remote sensing or GIS in an efficient manner; or which documents their outstanding success in a field that supports photogrammetry, remote sensing or GIS.
3. They must be citizens of a developing or reform country.

Article 6

If two Eduard Doležal Awards are granted, the winners must be of different citizenships.

Article 7

The jury for the Eduard Doležal Award shall consist of:

1. The President of ISPRS (head of jury).
2. The Secretary General of ISPRS.
3. The President of the Austrian Society for Surveying and Geoinformation or its delegate to the ISPRS General Assembly.
4. A representative of the United Nations.

The jury shall decide no later than five months before the beginning of an ISPRS Congress. Decisions will be made by a majority. In the case of a tie, the head of jury casts the deciding vote.

Article 8

The Eduard Doležal Award will be granted on the occasion of the ISPRS Congress by the President of ISPRS jointly with the delegate of the Austrian Society for Surveying and Geoinformation. The founding of ISPRS by Prof. Dr. mult. Eduard Doležal shall be called to mind during presentation of the Award.

The winners of the award

1996	K. Sukup (Czech Republic)
2000	P. Tarikhi (Iran), U.R. Rao (India) I. Katzarsky (Bulgaria)
2004	Jiang J. (China)
2008	N. Dinh Duong (Vietnam)
2012	G. Sithole (Zimbabwe)
2016	P. V. Radhadevi (India)

The U.V. Helava Award



Preamble

The publisher of the *ISPRS Journal of Photogrammetry and Remote Sensing* (herein referred to as 'the Journal'), Elsevier B.V.,

and Leica Geosystems AG, have agreed to jointly present "The U.V. Helava Award"* to encourage and stimulate submission of high quality scientific papers by individual authors or groups to the Journal, to promote and advertise the Journal, and to honour the outstanding contributions of Dr. Uuno V. Helava to research and development in Photogrammetry and

Remote Sensing. The award will be made in accordance with the following regulations.

Regulations

The award will be made in accordance with the following regulations:

Article 1

The award, which consists of a plaque and a grant of SFr. 10,000, will be presented every four years to the author(s) of an outstanding paper on one of the topics included in the scope of the Journal. The recipient(s) of the U.V. Helava Award shall receive the award only once.

Article 2

Candidates for the award shall be authors of a paper written in English, and published exclusively in the Journal during the four-year period from 1 January of a Congress year, to 31 December of the year prior to the next Congress (referred herein as 'the evaluation period'). For multiple authored papers, the grant shall be split equally among the authors; only one plaque will be given.

Article 3

A five-member jury of high scientific standing, whose expertise covers the main topics included in the scope of the Journal, comprising four experts proposed by the Editor-in-Chief of the Journal and one scientist proposed by Leica Geosystems AG, shall be appointed by the ISPRS Council. Jury members shall be designated by ISPRS Council at its last meeting of the year prior to the Congress, for the four-year evaluation period of the award. The Editor-in-Chief of the Journal shall serve as secretary of the jury, without voting rights.

Article 4

The Jury shall select the best paper published in the Journal for each year of the evaluation period (referred to herein as 'best papers'). The author(s) of the best papers shall be announced annually in the Journal, *ISPRS eBulletin* and ISPRS WEB site. Individuals may receive recognition as authors of best papers more than once. At the end of the four-year evaluation period, the Jury shall select the most outstanding paper of the four best papers of the evaluation period, for receipt of the U.V. Helava Award. The authors of the three runner-up best papers shall receive a certificate and a one-year free subscription to the Journal.

Article 5

Members of the Jury and the Editor-in-Chief shall not be eligible to receive the U.V. Helava Award or 'best paper' award.

Article 6

The Award shall be presented to the recipient(s) by the President of ISPRS and a representative of each sponsor at a plenary session of the Congress.

* The name "U.V. Helava" is used with kind permission from Mrs. Inkeri Helava and Dr. Heikki Helava

Amendments approved by the Award Sponsors and ISPRS Council on 5 April 2004.

Amendments approved by the Award Sponsors and ISPRS Council on 9th September 2009.

The winners of the award

Period 2012-2015

The U. V. Helava Award 2012-2015 and Best Paper 2015

Multiclass feature learning for hyperspectral image classification: Sparse and hierarchical solutions

by Devis Tuia - University of Zurich, Switzerland
Rémi Flamary Université de Nice Sophia Antipolis, France, and
Nicolas Courty Université de Bretagne Sud/IRISA, France

The Best Paper 2014

Indoor scene reconstruction using feature sensitive primitive extraction and graph-cut

by Sven Oesau, Florent Lafarge and Pierre Alliez
Inria Sophia Antipolis – Méditerranée, Sophia Antipolis, France

The Best Paper 2013

Urban accessibility diagnosis from mobile laser scanning data

by Andrés Serna and Beatriz Marcotegui
MINES ParisTech, CMM – Center for mathematical morphology, Fontainebleau, France

The Best Paper 2012

CityGML – Interoperable semantic 3D city models

by Gerhard Gröger, and Lutz Plümer
Institute for Geodesy and Geoinformation, University of Bonn, Germany

Period 2008-2011

The U. V. Helava Award 2008-2011 and Best Paper 2010

Automatic detection and tracking of pedestrians from a moving stereo rig

by Konrad Schindler Photogrammetry and Remote Sensing, ETH Zürich, Switzerland
Andreas Ess Computer Vision Lab, ETH Zürich, Switzerland
Bastian Leibe UMIC Research Centre, RWTH Aachen, Germany and
Luc Van Gool ESAT/PSI-VISICS, IBBT, KU Leuven, Belgium

The Best Paper 2011

Modelling and analysing 3D buildings with a primal/dual data structure

by Pawel Boguslawski, Department of Geoinformatics, Universiti Teknologi Malaysia, Malaysia

Christopher M. Gold, Department of Computing and Mathematics, University of Glamorgan, Wales, United Kingdom and

Hugo Ledoux GIS technology group, Delft University of Technology, The Netherlands

The Best Paper 2009

SPIRIT. SPOT 5 stereoscopic survey of Polar Ice: Reference Images and Topographies during the fourth International Polar Year (2007–2009)

by Jérôme Korona¹, Etienne Berthier², Marc Bernard¹, Frédérique Rémy², Eric Thouvenot³

(1) Spot Image, 5 rue des Satellites, BP 14359, F31030 Toulouse Cedex 4, France

(2) Université de Toulouse; UPS (OMP-PCA); LEGOS; 14 Avenue Edouard Belin, F-31400 Toulouse, France and

CNRS; LEGOS; 14 Avenue Ed. Belin, F-31400 Toulouse, France

(3) CNES, 18 Avenue E. Belin, 31401 Toulouse Cedex 9, France

The Best Paper 2008

On-line boosting-based car detection from aerial images

by Helmut Grabner, Computer Vision Laboratory, ETH Zurich, Switzerland

Thuy Thi Nguyen, Institute for Computer Graphics and Vision, University of Technology, Graz, Austria

Barbara Gruber, VRVis Research Center for Virtual Reality and Visualization, Graz, Austria and

Horst Bischof, Institute for Computer Graphics and Vision, University of Technology, Graz, Austria

Period 2004-2007

The U. V. Helava Award 2004-2007 and

Best Paper 2007

Time geography for ad-hoc shared-ride trip planning in mobile geosensor networks

by Martin Raubal^{1,3}, Stephan Winter², Sven Teßmann^{3,4} and Christian Gaisbauer²

(1) Department of Geography, University of California at Santa Barbara, 5713 Ellison Hall, Santa Barbara, CA 93106-4060, U.S.A.

(2) Department of Geomatics, The University of Melbourne, VIC 3010, Australia

(3) Institute of Geoinformatics, University of Münster, 48149 Münster, Germany

(4) German Remote Sensing Data Center (DFD), German Aerospace Center (DLR), 82234 Wessling, Germany

The Best Paper 2006

Range determination with waveform recording laser systems using a Wiener Filter

by Boris Jutzi, FGAN-FOM Research Institute for Optronics and Pattern Recognition, 76275 Ettlingen, Germany and Uwe Stilla, Photogrammetry and Remote Sensing, Technical University Munich, 80290 Munich, Germany

The Best Paper 2005

Recent developments on direct relative orientation

by Henrik Stewénius, Christoph Engels, and David Nistér, Center for Visualization and Virtual Environments, Computer Science Department, University of Kentucky, U.S.A.

The Best Paper 2004

A layered stereo matching algorithm using image segmentation and global visibility constraints

by Michael Bleyer, Margrit Gelautz, Interactive Media Systems Group, Institute for Software Technology and Interactive Systems, Vienna University of Technology, Favoritenstrasse 9-11/188/2, A-1040 Vienna, Austria

Period 2000-2003

The U. V. Helava Award 2000-2003 and

Best Paper 2003

Extraction, modelling, and use of linear features for restitution of airborne hyperspectral imagery

by Changno Lee, Spatial Imagery Information Research Team, ETRI, 161 Gajeong-dong, Yuseong-gu, Daejeon, 305-350, South Korea

James S. Bethel, Geomatic Engineering, 1284 Civil Engineering Building, Purdue University, West Lafayette, IN, USA

The Best Paper 2002

The shuttle radar topography mission - a new class of digital elevation models acquired by spaceborne radar

by Bernhard Rabus, Michael Eineder, Achim Roth, Richard Bamler, German Aerospace Center (DLR), Oberpfaffenhofen, D-82234, Wessling, Germany

The Best Paper 2001

Seamline detection in colour orthoimage mosaicking by use of twin snakes

by Martin Kerschner, Institute of Photogrammetry and Remote Sensing, Vienna University of Technology, Gusshausstrasse 27-29, A-1040 Vienna, Austria

The Best Paper 2000

Fuzzy spatial objects and their dynamics

by Martien Molenaar, International Institute for Geo-Information Science and Earth Observation (ITC), Enschede, Netherlands and

Tao Cheng, Joint Laboratory for GeoInformation Science, The Chinese University of Hong Kong, Shatin, NT, Hong Kong, China

Period 1996-1999**The U. V. Helava Award 1996-1999 and Best Paper 1996**

3D City Models for CAAD-Supported Analysis and Design of Urban Areas

by Martina Sinning-Meister, Armin Grün, Hanbin Dan

Institute of Geodesy and Photogrammetry, Swiss Federal Institute of Technology (ETH), Zurich

The Best Paper 1999

Automated Reconstruction of 3D Models from Real Environments

by V. Sequeira¹, K. Ng², E. Wolfart¹, J.G.M. Gonçalves¹, D. Hogg²

¹ European Commission - Joint Research Centre, Ispra (VA), Italy

² School of Computer Studies, University of Leeds, Leeds, UK

The Best Paper 1998

Errors and Accuracy Estimates of Laser Data Acquired by Various Laser Scanning Systems for Topographic Applications

by E. Jeroen Huising, Luisa M. Gomes Pereira
Ministry of Transport, Public Works and Water Management, Rijkswaterstaat, Survey Department, Delft, Netherlands

The Best Paper 1997

Automatic Aerotriangulation - Concept, Realization and Results

by Liang Tang, Technical Consulting and Software Development for Photogrammetry, Remote Sensing and Geoinformatics, Munich, Josef Braun and Rasmus Debitsch, Carl Zeiss, Oberkochen

The Gino Cassinis Award (2000 - 2008)**Preamble**

In 1999 the Italian Society for Surveying and Photogrammetry (SIFET) established an award in honor of Professor Gino Cassinis and his school, students of which included Professors Luigi Solaini, Mariano Cunietti,

Giuseppe Inghilleri and Giovanna Togliatti, who also made a significant contribution to ISPRS. Gino Cassinis was teacher of Applied Mathematics, Geodesy and Photogrammetry at the University of Pisa and at the Technical University (TU) of Milan, from the 1920s to the 1960s. In Milan he was also the Rector of the TU and the Mayor of the city.

The scientific work of Professor Gino Cassinis enhanced the mathematical and statistical foundations of the surveying and mapping disciplines. He served as President of ISPRS from 1934 - 1938, Congress Director of the 5th ISPRS Congress (Rome, 1938), and as President of ISPRS Technical Commissions for four terms. Furthermore he was elected as an Honorary Member of ISPRS.

Regulations**Article 1**

The award shall be known as The Gino Cassinis Award and shall normally be granted at each Congress of the International Society for Photogrammetry and Remote Sensing (ISPRS).

Article 2

The Gino Cassinis Award shall consist of a certificate and SwF 2,500, from the Italian Society for Surveying and Photogrammetry. Presentation shall be made at

an appropriate event, preferably a plenary session or General Assembly of the Congress.

Article 3

The recipient shall be a person who has significantly enhanced the mathematical and statistical foundations of the photogrammetry, remote sensing or spatial information sciences in the 4 years preceding the Congress. All nominations shall be supported by appropriate documentary evidence of the candidate's work.

Article 4

Nominations for The Gino Cassinis Award shall reach the President of ISPRS not later than 6 months prior to the Congress at which it will be presented. Candidates may not self-nominate.

Article 5

The Jury of The Gino Cassinis Award shall consist of:

The President of ISPRS (Chair of Jury)

The Secretary General of ISPRS

The President of SIFET or its nominee.

The Jury shall decide no later than 4 months before the ISPRS Congress. The decision shall be made by simple majority. The Jury may decide not to present an award. The decision of the Jury shall be final.

Article 6

No Members of ISPRS Council or the Jury shall be eligible to receive the award.

The winners of the award

2000 Wolfgang Förstner (Germany)

2004 Sherman S.C. Wu (USA)

2008 Zhilin Li (Hong Kong)

The Giuseppe Inghilleri Award



In 2008 the Italian Society for Surveying and Photogrammetry (SIFET) established an award in honour of Professor Giuseppe Inghilleri.

Giuseppe Inghilleri (1924-1982), full Professor of Geodesy and Photogrammetry, was Head of the Institute of Geodesy at the Politecnico di Torino from 1962 until 1977. His scientific work greatly enhanced the mathematical and statistical foundations of photogrammetry, surveying and mapping science. In 1972, at the ISP Congress in Ottawa, he presented an innovative analytical stereo-plotter, produced in the following years by Officine Galileo. He served as President of the ISPRS Technical Commission II from 1972 – 1976 and President of the SIFET from 1979 to 1982.

Regulations

Article 1

The award shall be known as the "Giuseppe Inghilleri Award" and shall normally be granted at each Congress of the International Society for Photogrammetry and Remote Sensing (ISPRS).

Article 2

The Giuseppe Inghilleri Award shall consist of a certificate and SwF 2,500, from the Italian Society for Surveying and Photogrammetry. Presentation shall be made at an appropriate event, preferably a plenary session or General Assembly of the Congress.

Article 3

The recipient shall be a person who has significantly enhanced the applications of photogrammetry, remote sensing or spatial information sciences in the 4 years preceding the Congress. All nominations shall be supported by appropriate documentary evidence of the candidate's work.

Article 4

Nominations for the "Giuseppe Inghilleri Award" shall reach the President of ISPRS not later than 6 months prior to the Congress at which it will be presented. Candidates may not self-nominate.

Article 5

The Jury of the "Giuseppe Inghilleri Award" shall consist of:

- The President of ISPRS (Chair of Jury)
- The Secretary General of ISPRS
- The President of SIFET or its nominee.

The Jury shall decide no later than 4 months before the ISPRS Congress. The decision shall be made by simple majority. The Jury may decide not to present an award. The decision of the Jury shall be final.

Article 6

No Members of ISPRS Council or the Jury shall be eligible to receive the award.

The winners of the award

2012 Yun Zhang, Canada

2016 Sander Oude Elberink, The Netherlands

The Wang Zhizhuo Award



Preamble

The Chinese Society of Geodesy, Photogrammetry and Cartography (CSGPC) decided, in 2004, to present a periodic award for encouraging advancement of the spatial information sciences in memory of Prof. Dr. Wang Zhizhuo, initiator of photogrammetry and

remote sensing in China, Professor and Honorary President of Wuhan Technical University of Surveying and Mapping, a senior Academician of the Chinese Academy of Science, and elected Honorary Member of the International Society for Photogrammetry and Remote Sensing (ISPRS) in 1988.

Regulations

Article 1

The award shall be known as The Wang Zhizhuo Award and shall consist of a medal and a monetary grant (SwF 2,500). It will be granted at each quadrennial ISPRS Congress to a person who has made significant achievement or innovation in the spatial information sciences.

Article 2

The significant achievement or innovation in the spatial information sciences shall be a proven contribution of whatever form; whether a fundamentally new theory or algorithm, a major completed program or project, some or a fundamentally new application. The value of the achievement or innovation should be proven not less than two years or more than twelve

years prior to the Congress at which the award is to be presented.

Article 3

The ISPRS Council shall issue an invitation for nominations of candidates to all Ordinary, Regional and Associate Members two years in advance of each Congress. Nominations are to be submitted in writing to the President of ISPRS at least six months in advance of the Congress and shall be accompanied by documentation describing the proven contribution in sufficient detail to enable full evaluation by the ISPRS Council. Candidates may not self nominate.

Article 4

The selection of the person to receive the award shall be decided by the ISPRS Council. The ISPRS Council

may use whatever procedure it thinks fit to reach its conclusion, provided the final selection is made by unanimous vote.

Article 5

The name of the recipient of the award shall be announced at the Congress, and the award shall be presented to the person at an appropriate event of the Congress by a member of Council of ISPRS and a representative of the CSGPC.

The winners of the award

2008	Christopher Gold, UK
2012	John Shi, Hong Kong
2016	Andrew Hudson-Smith, UK

The President's Honorary Citation

Terms of Reference

1. Purpose

The President's Honorary Citation is a certificate of recognition, presented by the President of the International Society for Photogrammetry and Remote Sensing (ISPRS), to one or more officers (chairperson, co-chairperson or secretary) of one working group, from each ISPRS Technical Commission. The citation is to recognize special, personal and meritorious contributions to the operation of the relevant Technical Commission's activities and advancement of its interests, during the quadrennial term of the Society.

2. Nomination

Only Technical Commission Presidents have the right to nominate, and only officers of one single working group shall be nominated. Each individual may receive the citation only once. Neither, the Technical Commission President, the Vice-President, nor the Secretary, is eligible for nomination. The nomination shall consist of a brief written citation, submitted to the ISPRS President by the Technical Commission President six months prior to the ISPRS Congress.

3. Decision

The final decision of the recipients is made by the President of ISPRS, in consultation with the ISPRS Council.

4. Certificate

The President's Honorary Citation is in the form of a certificate signed by the President and the Secretary General of the Society.

5. Presentation

The President's Honorary Citation shall be presented by the President of the Society to the recipients at the closing Plenary Session of the Congress.

The winners of the award

1996

TC I:	Petros Patias (Greece)
TC II:	Jeff Labonte (Canada)
TC III:	Ismael Colomina (Spain)
TC IV:	Ryutaro Tateishi (Japan)
TC V:	Mark Shortis (Australia)
TC VI:	Kohei Cho (Japan)
TC VII:	Gerard Guyot (France)

2000

TC I:	Karsten Jacobsen (Germany)
TC II:	Christian Heipke (Germany)
TC III:	Bea Csatho (USA)
TC IV:	Emmanuel Baltsavias (Switzerland)
TC V:	Sabry El-Hakim (Canada)
TC VI:	Tanya Maria Sausen (Brazil)
TC VII:	Ake Rosenqvist (Sweden)

2004

TC I:	Karsten Jacobsen (Germany)
TC II:	Christian Heipke (Germany)
TC III:	Helmut Mayer (Germany)
TC IV:	Monika Sester (Germany)
TC V:	Gabriele Fangi (Italy)
TC VI:	Manos Baltsavias (Switzerland)
TC VII:	Karl Staenz (Canada)

2008

TC I:	Karsten Jacobsen (Germany)
TC II:	Monika Sester (Germany)
TC III:	Juha Hyyppa (Finland) and Volker Roderhort (Germany)
TC IV:	Christian Heipke (Germany)
TC V:	Derek Lichti (Australia) and Norbert Pfeiffer (Austria)
TC VI:	Mojca Fras (Slovenia)
TC VII:	Zhang Jixia (China)
TC VIII:	Piero Boccoardo (Italy) and Amelia Budge (USA)

2012

TC I: Ayman Habib (Canada)
 TC II: Cheng Tao (UK)
 TC III: Franz Rottensteiner (Germany)
 TC IV: Jiang Jie (China)
 TC V: Fabio Remondino (Italy)
 TC VI: Manos Baltasvias (Switzerland)
 TC VII: Uwe Sörgel (Germany)
 TC VIII: Amelia Budge (USA)

2016

TC I: Görres Grenzdörffer (Germany)
 Costas Armenakis (Canada)
 TC II: Monika Sester (Germany)
 TC III: Michael Yang (Germany)
 TC IV: Sisi Zlatanova (The Netherlands)
 TC V: Mark Shortis (Australia)
 TC VI: Anyana Vyas (India)
 TC VII: Batuhan Osmanoglu (USA)
 TC VIII: Fazlay Faruque (USA)

ISPRS Best Young Author Award

Terms of Reference

The ISPRS Best Young Author Award (est. 1988), sponsored by donor organizations and ISPRS, recognizes authors who are less than 35 years old on the opening day of the Congress and are the sole or 1st author of a high quality paper accepted for oral presentation at the Congress. Typically, one award is presented for each ISPRS Commission. Each award consists of a certificate and a SFr. 2,500 grant to enable the awardee to participate in the Congress. Potential awardees must submit their paper to the Congress Director by the deadline set for the respective Congress.

One jury for each of the ISPRS Technical Commissions, each appointed by the respective Technical Commission President, evaluates all submissions and selects the awardee for their commission based on the scientific merit of the contribution. The decision of the jury is final.

The winners of the award in 1992

Holger Zeilinski, Sweden
 Auke de Haan, Italy
 Elena M. Filipova, Russia
 Stuart L. Barr, UK
 Ilkka A. I. Niini, Finland
 Sun Lixin, China
 Werner Heckel, Germany
 Rongxing Li, USA

The winners of the award in 1996

Xiuxiao Yuan, China
 Naser El-Sheimy, Canada
 Woosug Cho, USA
 Reda Ezzat Fayek, Canada
 Jefferey A. Shufelt, USA
 Christine Pohl, Netherlands
 Yingchun Zhou, USA
 Gaudenz Danuser, Switzerland
 Chuang Tao, Canada
 Xiaojun Yang, USA

The winners of the award in 2000

Babak Ameri, Germany
 Ansgar Brunn, Germany

Marc Honikel, Switzerland
 Jun Li, Canada
 Satya Priya, Japan
 Jochen Schiewe, Germany
 Garry Zalmanson, USA

The winners of the award in 2004

Devrim Akca, Switzerland
 Tinghua Ai, China
 Michele Crosetto, Spain
 Andrea Forberg, Germany
 P.-H. Hsu, China Taipei
 Derek D. Lichti, Australia
 Camillo Ressler, Austria
 Axel Wendt, Germany

The winners of the award in 2008

Marta Blazquez, Spain
 Margarita Kokla, Greece
 Min Deng, Hong Kong, China
 Sander Oude Elberink, Netherlands
 Pengfeng Xiao, China
 David Belton, Australia
 Francesco Dell'Endice, Switzerland
 Long-Qi Zhang, China
 Yuan Li, China

The winners of the award in 2012

Maryam Mohammadi, Germany
 Rongfu Tang, Germany
 Shun Hirose, Japan
 Gay Jane P Perez, Philippines
 Janja Avbelj, Germany
 Xiaoliang Meng, China

The winners of the award in 2016

Yuanxin Ye, China
 Christian Kehl, Norway
 Andreas Ley, Germany
 Constantin-Ioan Nandra, Romania
 Ana Djuricic, Austria
 Raechel Bianchetti, USA
 Benson Kipkemboi Kenduiywo, Germany
 Katalin Kiss, Finland

ISPRS Best Poster Award

Terms of Reference

At the Congress a total of two awards per Technical Commission are sponsored by ISPRS. Each award consists of a certificate and a gift from the Congress Director. A nomination for this award is not possible and not necessary, as all presented posters will be considered for the award.

A jury for each of the ISPRS Commissions, appointed by the respective Technical Commission President, evaluates the poster presentations and selects the two best posters from the Commission based on content and presentation of the posters. The decision of the jury is final. The awards are presented at the Closing Ceremony of the Congress.

The winners of the award in Kyoto, 1988

TC	Name
I	Neville, Gauthies, Schwarz and Till (Canada)
I	G. Schreier, Kosmann and A. Roth (F.R.Germany)
III	O. Kölbl (Switzerland)
III	A. M. G. Tommaselli and J. B. Lugnani (Brazil)
III	J. A. R. Blais and M. Boulianne (Canada)
III	Li M. (Sweden)
III	H. Sawada, M. Watanabe, K. Tomiyama and T. Fujiwara (Japan)
III	M. Kuniyasu, A. Iwashita, H. Watanabe, Y. Mizuochi and Y. Maruyama (Japan)
IV	M. Michaelis (F.R.Germany)
IV	P. Kasiwat, N. Hongstong and K. Edwards (Thailand)
IV	Liu C. (China)
V	C. L. Ogleby, R. B. Grayson and R. D. Barling (Australia)
V	E. Baj and G. Bozzolato (Italy)
V	K. Kimata (Japan)
V	M. Kureya (Japan)
VII	S. M. Berhe (U.K.)
VII	A. Hoyano and Y. Komatsu (Japan)
VII	R. M. Hofferand F. Lozano Garcia (USA)
VII	H. Andrianasolo (France)
VII	K. Tanaka, Y. Matsumoto, M. Takaba (Japan)

The winners of the award in Washington, 1992

TC	Names
I	R. C. Malhotra (USA)
I	M. Schroeder (Germany)
II	K. Novak (USA)
II	Q. Zhou and A. H. Evans (Australia)
III	R. Shibasaki (Japan)
III	L. Bin-yi (China)
IV	A. G. Engberg and B. Malmström (Sweden)
IV	Huang Q., Huang R., Zhang X., Lai R. and Zhu H. (China)

V	R. Pallaske, W. Marten and L. Maueishagen (Germany)
V	H.-G. Maas (Switzerland)
VI	K.-K. Artimo (Finland)
VI	J. R. Jensen and S. Narumalani (USA)
VII	K. Dabrowska-Zielinska, A. Ciolkosz, M. Gruszczynska and S. Lewinski (Poland)
VII	E. Shimizu (Japan)

The winners of the award in Vienna, 1996

TC	Names
I	W. Walcher
I	M. Maresch (Co-Author: P. Duracher)
II	F. Savopol
II	A. Georgopoulos
III	A. Krupnik
III	U. Stilla (Co-Author: K. Jurkiewicz)
IV	H. Hasegawa (Co-Authors: A. Okamoto, S. Hattori, T. Ono, K. Tachibana, M. Gildengorin)
IV	M. O. Cherkaoui (Co Authors: F. Barkan, M. Gay)
V	B. Pollak
V	H. Schewe (Co-Authors: E. Moncrieff, L. Gründig)
VI	B. Singh Chaudhary
VI	H.-P. Bähr
VII	J. R. dos Santos (Co Authors: D. R. Scales, M. Keil, H. J. H. Kux, M. S. P. Lacruz)
VII	J. Clevers (Co-Authors: H. Kramer, H.J.C. van Leeuwen, D.H. Hoekman)

The winners of the award in Amsterdam, 2000

TC	Names
I	P.-H. Chen & I. Dowman (UK)
I	S.-Y. Hong, K.-S. & I.-. Yo (Korea)
II	H. Hild, N. Haala & D. Fritsch (Germany)
II	J.F.C. Silva, P.O. Camargo, R.A. Oliveira, M.G. Guardia, M.L.L. Reiss & R.A.C. Silva (Brazil)

- III H. Zhao (Japan)
 III E. Michaelsen & U. Stilla (Germany)
 IV J. Delgado, J. Gardena & A. Gomez (Spain)
 IV L. Lehto & T. Kilpelainen (Finland)
 V J. Hrabacek & F. van den Heuvel (Netherlands)
 V Z. Ming (UK)
 VI J. Gardenal, J. Delgado & M. Torres (Spain)
 VI K. Cho, R. Matsumoto, H. Shimada & T. Sakata (Japan)
 VII A. Wimmer, M. Scharelt, M. Ziegler, G. Ruppert, K. Granica, U. Schmidt, H. Gallaun & H. Hyypa (Australia)
 VII J. H. M. Hakvoort, J. F. de Haan, R. Jordans, R. J. Vas, S. Peters & M. Rijkeboer (Netherlands)

The winners of the award in Istanbul, 2004

TC	Names
I	H. Raggam and K.H. Gutjahr
I	C.H.Liu
II	S. N. Mahapatra, V. K. Mahindru, A. K. Swain, A. Upadhyaya
II	A. Habib, R. Al-Ruzouq
IV	A. Hincq, M. Idrissa, V. Lacroix, H. Bruynseels, O. Swartenbroekx
IV	M. F. Buchroithner, O. Waelder, B. Koenig, T. Gruendemann, G. Neukum, K. Habermann
V	N. Watanabe
V	D. Winterhalder
VI	S. Phem, K. Grabmaier
VI	C. Katterfeld, M. Sester
VII	Y. Imai, M. Setojima, Y. Yamagishi, N. Fujiwara

The winners of the award in Beijing, 2008

TC	Names
I	W. Jung, J. S. Bethel
I	L.-C. Chen, T.-A. Teo, C.-Y. Lo
II	H. Chen, V. Walter, D. Fritsch
II	O. Sojung, I. Lee, J. Hong
III	T. A. Teo
III	C. Wu, F. Fraundorfer, J.-M. Frahm, Jack Snoeyink, M. Pollefeys
IV	T. Fuse, T. Wayama, E. Shimizu
IV	A. Ajmar, F. Perez, O. Terzo
V	T. Kakiuchi, H. Chikatsu
V	S. Soudarissanane, R. Lindenbergh, B. Gorte
VI	E. McGovern, A. Martin, R. Moore

- VI J. L. Perez-Garcia, J. Delgado, J. Cardenal, M. A. Ureña
 VII L. Ochirkhuyag, R. Tsolmon
 VII S. Abdikan, F. Balik Sanli, F. Bektas Balcik, C. Goksel
 VIII A. Ahmed, M. Nagai, C. Tianen, R. Shibasaki
 VIII J. Hernández Palma

The winners of the award in Melbourne, 2012

TC	Names
I	J. Kelcey and A. Lucieer
I	M. Thiele
II	J. Lesparre and B. Gorte
II	J. Chen et al
III	S. Külür, M. Temiz and S. Dogan
III	A. Schmidt, F. Rottensteiner and U. Sörgel
IV	F. Menna, E. Nocerino and F. Remondino
IV	D. Buchmueller, M. Kroepfl and F. Leberl
V	T.O. Chan and D. Lichti
V	H. Hastedt and T. Luhmann
VII	M. U. Altin, E. Tari and L. Ge
VII	S. Kim, I. Lee and M. Lee
VIII	E. M. Morse-McNabb
VIII	N. Costa Penatti

The winners of the award in Prague, 2016

TC	Names
I	M. A. Boon, R. Greenfield, S. Tesfamichael
I	J. Kang, F. Deng, X. Li
II	A. Zlinszky and A. Kania
II	A. Suhaibah, U. Uznir, F. Anton, D. Mioc, and A. Rahman
III	W. Nguatem, M. Drauschke, H. Mayer
III	M. Mezian, B. Vallet, B. Soheilian, N. Paparoditis
IV	F. Yildiz
IV	N. Maheshwari
V	M. Mueller and T. Voegtle
V	J. Wang, R. Lindenbergh, Y. Shen, and M. Menenti
VI	F.-J. Behr
VI	A. M. C. Perez
VII	R. Zhang
VII	A. Vaiopoulos
VIII	M. Nishio and M. Mori
VIII	C.-H. Lu

ISPRS - CATCON Award Computer Assisted Teaching CONtest

Preamble

CATCON, initiated by the Japan Society for Photogrammetry and Remote Sensing, is the name of a software contest organized by ISPRS. The main objective of the contest is to promote the development and dissemination of effective and user-friendly, open-source and preferably non-commercial software designed and used specifically for computer assisted teaching for

- multimedia courses and tutorials for e-learning,
- simulations and virtual environments,
- web information packages or data sets,

in one of the areas of interest of ISPRS. CATCON was first organised at the 1996 ISPRS Congress in Vienna, Austria.

Regulations

Article 1

The ISPRS computer assisted teaching contest shall be known as CATCON. The contest will be organised by an appropriate ISPRS working group at each ISPRS Congress. There are three prizes: Gold award (3.000 SFr.), a Silver Award (2.500 SFr.) and a Bronze Award (1.500 SFr.) and a certificate. The award is sponsored by TIF - The ISPRS Foundation.

A software, which was presented at one Congress, can only be presented again at another Congress after having undergone substantial changes.

Article 2

Any participant registered and admitted for an ISPRS Congress can submit a proposal and preliminary work for CATCON. The contest is open to individuals and teams. Each group can only submit one proposal.

The proposal must be submitted in written form, addressed to the ISPRS Congress Director. It should include the name, affiliation, country and E-mail address of every team member. In addition, it should contain a title, details about the design concept and purpose, a brief description of functions and system requirements, a URL where the material can be accessed (if available), and other helpful material.

Applicants who have passed an initial evaluation of submitted proposals by the jury, will be asked to present their development in the contest held during the Congress. The contestants are required to bring suitable hard- and software to demonstrate their materials.

Article 3

The jury is composed of the working group officers of the WG dealing with computer assisted teaching and the President of the corresponding ISPRS Technical Commission. The Technical Commission President can

delegate his responsibility to somebody else. The jury can ask additional individuals to help in the selection process.

Article 4

The jury will select the winners based on the following criteria:

- General usefulness and importance of output.
- User-friendliness.
- Scalability and elegance of design.
- Clarity, efficiency and portability of implementation.
- Originality.

The decision of the jury is final.

Article 5

The result of the jury's decision shall be announced at the Closing Ceremony of the Congress and the Award shall, whenever practicable, be presented to the recipient in person by the Secretary General or the President during that ceremony.

Contest	Place	Gold Award Winner
CATCON 7	Prague 2016	Thomas Luhmann Germany <i>Learning Photogrammetry with Interactive Software Tool PhoX</i>
CATCON 6	Mel- bourne 2012	Mark P. Imhof, Mathew T. Cox, Wayne Harvey, G.E. Heemskerck, and Christopher J. Pettit Australia <i>Landscape Visualisation on the Internet</i>
CATCON 5	Beijing 2008	Robert Kaden Germany <i>CityGML</i>
CATCON 4	Tokyo 2006	Parvatham Venkatachalam India <i>E-Tutot for GIS</i>
CATCON 3	Istanbul 2004	Jonathan Haig Germany <i>Integrated Sensor Orientation Module</i>
CATCON 2	Amster- dam 2000	Pierre Grussenmeyer and Pierre Drap France <i>ARPEUTEUR</i>
CATCON 1	Vienna 1996	Joachim Höhle Denmark <i>LDIP and ORTHO</i>

The Karl Kraus Medal



The "Karl Kraus Medal" is a prize to honour the authorship of excellent textbooks in the scientific fields of Photogrammetry, Remote Sensing, and Spatial Information Sciences. The prize is dedicated to the memory of Professor Karl Kraus, a passionate teacher and author of a number of textbooks.

Regulations

Article 1

The "Karl Kraus Medal" is awarded to authors of excellent textbooks in the fields of Photogrammetry, Remote Sensing, and Spatial Information Sciences, written in one of the official languages of the ISPRS, and published no more than eight years prior to the commencement of the ISPRS Congress at which the textbook is to be awarded. On each occasion a maximum of two prizes can be awarded.

Article 2

The prize shall consist of a medal and a certificate.

Article 3

The prize shall normally be awarded at each ISPRS Congress by the President of the ISPRS and a representative from the donating organizations: the German Society of Photogrammetry, Remote Sensing, and Spatial Information Sciences (DGPF), the Austrian Society of Surveying and Geoinformation (OVG), and the Swiss Society of Photogrammetry, Image Analysis, and Remote Sensing (SGPBF).

Article 4

Nomination of authors of textbooks from an Ordinary Member of the ISPRS, or by authors themselves, together with three copies of the nominated textbook, shall reach the General Secretary of ISPRS not later than six months prior the ISPRS Congress at which the textbook shall be awarded.

Article 5

The jury for the prize shall consist of:

1. a person, nominated by ISPRS Council and the President of the ISPRS Technical Commission, which is responsible for education in one of the areas of activity of ISPRS,
2. the chair of the Student Consortium of ISPRS, and

3. The chair, who shall be nominated by the three donating societies.

Article 6

The jury may consult experts prior making its decision, which shall be final. The jury is free to decide that no prize shall be made if there are no textbooks of sufficient merit.

The winners of the award

2010:

The winner of the award for 2010 is *Close Range Photogrammetry: Principles, Techniques and Applications* by

Thomas Luhmann, (Institute of Applied Photogrammetry and Geoinformatics, University for Applied Sciences, Oldenburg, Germany),

Stuart Robson, (University College London),

Stephen Kyle, (Consultant; Hon. Research Fellow, University College London), and

Ian Harley, (Emeritus Professor, University College London).

Published by Whittles Publishing, Dunbeath, Scotland.

2012:

The winner of the award for 2012 is *Airborne and Terrestrial Laser Scanning* edited by

George Vosselman, (ITC, University of Twente, The Netherlands),

Hans-Gerd Maas, (Dresden University of Technology, Germany).

Published by Whittles Publishing, Dunbeath, Scotland.

2016:

The winner of the award for 2016 is *High Resolution Optical Satellite Imagery* edited by

Ian Dowman, (University College London, UK),

Karsten Jacobsen, (Retired Academic Director at University of Hannover, Germany),

Gottfried Konecny, (Emeritus Professor, University of Hannover, Germany),

Rainer Sandau, (Retired from the German Aerospace Center (DLR), Adj. Professor at Baylor University, USA, Director of Satellites and Space Applications at IAA).

Published by Whittles Publishing, Dunbeath, Scotland.

The Frederick J. Doyle Award



The ISPRS White Elephant “Knowledge Transfer” Committee and the ITC Foundation decided in 2010 to honour the exemplary career of Frederick J. Doyle as a role model to inspire followers and newcomers in the photogrammetry, remote sensing and spatial

information sciences and technologies. Highlights of Fred’s illustrious career included: As a Civil Engineer on a Fulbright Fellowship he attended the International Training Center (ITC) for Aerial Survey as the first student of ITC under Rector Schermerhorn. He was Chairman of the Department of Geodetic Sciences at Ohio State University. He received the NASA Exceptional Scientific Achievement Medal for the development of the Apollo Orbital Photo Science systems; was principal investigator on Landsat and Skylab; and led the scientific development and deployment of the Large Format Camera. As ISPRS President he diplomatically led international cooperation and collaboration within ISPRS and with its sister societies. For his many outstanding achievements and articulative roles in the profession as university educator, industry expert, government scientist, and professional society leader, he was granted Honorary Doctor Degrees in engineering, science and technology by four Universities, elected Honorary Member by ASPRS and ISPRS, and Honorary Fellow by ITC.

Regulations

Article 1

The Award shall be known as The Frederick J. Doyle Award and shall consist of a silver medal and a monetary grant. It will be bestowed every four years to an individual who, like Fred Doyle, has exhibited outstanding and sustained qualities in the profession worthy of being emulated for inspiring new engineers and scientists to the ISPRS disciplines and has made significant accomplishments in advancing the photogrammetry, remote sensing and spatial information

sciences and technologies. Inspirational qualifications should ideally include achievements in research/development and education/training. A recipient of the award should typically be less than 50 years of age and have outstanding stature within the ISPRS community.

Article 2

Candidate nominations shall be made by an individual or organization adherent to the ISPRS. Every nomination shall include a brief description of the inspirational qualifications that the candidate has exhibited to merit the award. Nominations shall be submitted to the ISPRS President at least six (6) months preceding the Congress at which the award will be presented. Candidates may not self-nominate.

Article 3

The jury for the Frederick J. Doyle Award shall consist of the President of ISPRS (head of jury), Chair of the ISPRS International Science Advisory Committee, and the President of the ISPRS Commission responsible for Education and Outreach. The jury shall select only one candidate to receive the Frederick J. Doyle Award at each ISPRS Congress.

Article 4

The donated funds have been entrusted in a restricted investment account which shall be maintained by The ISPRS Foundation. The award shall consist of a silver medal and US\$ 2,500. As appropriate and with joint approval of Council and Foundation Trustees, the monetary grant may be increased in units of US\$ 500 based on accrual of interest and further donations in accordance with conservative endowment principles.

Article 5

The Frederick J. Doyle Award shall be awarded during an appropriate event at each ISPRS Congress by the ISPRS President and an ISPRS Honorary Member.

The winners of the award

2012	Christian Heipke, Germany
2016	Wolfgang Wagner, Austria

Guidelines for Candidates for Members of Council

Individuals from any Member organization are eligible for nomination and election to positions on Council, but there are some practical considerations which must be taken into account.

1. Service as a member of the ISPRS Council is considered an honour. That means that it does not provide any salary to the incumbent. It is also a time-consuming function. The President, the Sec-

retary General, and the Congress Director could easily spend full time on the tasks. However, realistically, one quarter to one half time is required by these positions. The two Vice Presidents and the Treasurer find that somewhat less time is required. Potential members of Council must be prepared to make these commitments of time.

2. It is essential that Council Members, particularly the President and Secretary General, are provided with secretarial assistance, preferably multilingual, but at a minimum, fluent in one of the official languages of the Society - English, French and German. Experience has shown that about half time help is required. In general it has not been possible for the Society to pay salaries for secretarial assistance. Consequently it is necessary that the Member association or the Council member's employer is prepared to provide this amount of secretarial help.
3. Council members are required to attend a minimum of one Council meeting per year. These will usually rotate between the home locations of the officers. It is also desirable that Council members, particularly the President, Secretary General and Congress Director attend some or all of the inter-Congress Technical Commission symposia. This means that Council members must be free to undertake international travel.
4. The Society operates on a very limited financial basis. It is therefore very useful if the officer's Member association or employer is prepared to support the international travel expenses required. However, no worthy individual would be rejected

as a Council member because of inability to provide his/her own travel expenses.

5. Financial arrangements for the Society's Congress are the total responsibility of the host member. The Congress Director's related expenses for travel, secretarial assistance, communications, etc. should be included in the Congress budget.
6. Annual assessments of Members to the Society are paid in Swiss francs. These funds are during the current administration deposited in a Swiss bank account. It may also be feasible to have a bank account under the name of the Treasurer, and in his/her home location. Because the Society expenditures are international in scope, it is essential that the Treasurer be from a nation having freely convertible currency.
7. The IUSM Council (General Assembly) convenes approximately every three years. Members of ISPRS Council are delegates to this General Assembly and are expected to participate.

Members planning to nominate Council members should keep these considerations in mind.

(27 Feb 1996, LWF)

Guidelines for Members Planning to Host an ISPRS Congress

Member organizations willing to host a Congress of the International Society for Photogrammetry and Remote Sensing should consider the following items which are looked upon as prerequisite for a successful Congress operation:

1. The Member organization should designate an individual to serve as Congress Director who will have final responsibility for all aspects of the Congress operation. The Congress Director will establish a Congress committee which will organize the technical program, all financial aspects, the secretarial work, the scientific exhibit, the technical tours, the social events, the program for family members, and attend to special tasks such as press relations, travel bureau relations, etc.
2. The Member organization will have complete financial responsibility for all aspects of the Congress organization. The Society does not provide any funds for this purpose. Although budgeting arrangements will differ from one member to another, it has been customary that one-third of the Congress expenses is met by registration fees for individual participants, one-third by the fees paid by commercial exhibitors, and one-third by government subsidies with a total budget of about 3.5 million Swiss Francs.
3. The Member organisation will be expected to attract funds from sponsoring organisations to support the attendance at the Congress of a significant number of participants from developing countries.
4. In order to accommodate the Congress, the following physical facilities are required:
 - a. Hotel accommodation and restaurant facilities for approximately 2,000 persons with access to the meeting facility by public transport.
 - b. One large meeting room for the opening ceremonies and plenary sessions to accommodate approximately 2,000 persons with simultaneous interpretation in the official languages of the Society.
 - c. At least two meeting rooms for technical sessions with a capacity of approximately 500 persons in each room, and with simultaneous interpretation capability for the official languages of the Society.
 - d. One room with capacity of 200 to 300 and simultaneous interpretation for the General Assembly. This room may also be used for technical commissions provided there is no time conflict.

- e. Several smaller meeting rooms without simultaneous interpretation for other technical commission meetings.
- f. A small office for each of the seven Technical Commission presidents and secretaries.
- g. Small meeting rooms or offices to conduct the business of the Council of ISPRS. Typing, copying and clerical service for the President and Secretary General.
- h. An exhibit hall to accommodate a net commercial exhibit of about 3000 m².
- i. Exhibit space of about 1000 m² to accommodate scientific exhibits and poster sessions. A poster size space should be provided without charge for each national and scientific exhibit.

Guidelines for Hosting a Technical Commission

Ordinary Member organizations willing to host a Technical Commission should consider the following requirements.

1. The responsibilities and the main tasks of a Technical Commission are well defined in Statute XIII and Bylaw XIII of ISPRS.
2. The Member organization will have complete financial responsibility for all expenses incurred by the work of the Commission. Before submitting an application to the Society for a Commission, the Member must ensure that the necessary resources are available.
3. Members wishing to host a Technical Commission for the next four-year period shall submit an application to the Secretary General. It shall contain the name of the proposed Technical Commission President (TCP) and a provisional plan for financial arrangements.
4. The TCP should be able to spend considerable time on Commission work, especially during the months prior to the Symposium and the next Congress. The tasks of the Commission Secretary should be undertaken by a person who can work in close cooperation with the TCP.
5. It is essential that the Commission Board be provided with English speaking secretarial assistance. About 30 percent of the secretary's time will be needed for Commission affairs.
6. Technical Commissions are expected to host a Symposium in the second year between Congresses (See Appendix A.2 "Guidelines for Planning ISPRS Symposia"). The subject matter is to be related to the field of the Commission. When a Symposium is convened in a developing country the topics of other Commissions may be included in the Symposium, if pre-approved by Council. The Member organization must accept full responsibility for the financing of the Symposium. Registration fees may be charged as appropriate. A technical exhibit may be arranged, preferably within the scope of the Commission.
7. An ISPRS surcharge, the level of which will be determined by Council, will be imposed on all registrations at Commission Symposia, to contribute towards the costs of running the Society and introducing new developments.
8. The TCPs must be free to undertake international travel. They will be expected to attend joint meetings with the Council of the Society annually between Congresses. Also, it may be necessary to hold Commission Board meetings with Working Group Chairpersons. All travel expenses of the TCP must be financed by the host country.
9. ISPRS Council and Honorary Members, the Chairperson of the Financial Commission and the Editor of the ISPRS Journal are entitled to register at Commission Symposia and Working Group meetings free of charge. It is expected that free accommodation will be provided to Council during the Symposium.
10. One of the Technical Commissions is expected to invite Council and Technical Commission Presidents to Council and Joint Meetings (comprising Council and Technical Commission Presidents and Secretaries) in conjunction with its Symposium. These meetings are normally scheduled for the last Symposium in the year, and have a duration of three to four days. Reports on Symposia, assessment of the performance of the Commissions, and planning for the forthcoming Congress will be important items of consideration at the Joint Meeting.
11. Before the General Assembly of ISPRS decides to allocate a Commission to an Ordinary Member, the proposed TCP shall present to the General Assembly the envisioned scientific and technical program for the Commission for the forthcoming four-year period.
12. The General Assembly will, in its election of Technical Commission hosts, consider the merits and experience demonstrated by the proposed TCP in activities such as having been the Chairperson of a Working Group, author of an invited paper, etc.

13. The proceedings of each Commission Symposium shall be published in the prescribed format as a Part of the Volume of The International Archives of Photogrammetry and Remote Sensing.
14. The TCPs are asked to support the Editor of the ISPRS Journal, for example, in soliciting technical papers, and serving as a referee of papers.
15. The TCPs are required to prepare an Annual Report as outlined in Appendix B.5, and are to ensure that summary reports of their Commission and WG events are submitted promptly for publication in ISPRS eBulletin.
16. Furthermore, the TCPs are responsible for conformance by Working Group Chairpersons to the "Guidelines for Conducting a Working Group".
17. The Technical Commission V President, or a Council designee, will be an ex-officio member of the CIPA Committee, and as such will be required to attend the biannual meetings of the CIPA Committee.
18. Outgoing TCPs should be prepared to attend the post Congress Joint Meeting of Council and incoming TCPs if deemed advantageous to the operations of the Commission.

<http://www.isprs.org/documents/orangebook/tcpresps.htm>

Guidelines for Conducting a Working Group

The President of a Technical Commission (TCP) and the Chairpersons of the Working Groups should consider the following requirements:

1. The TCP shall be fully responsible for organizing the Working Groups and selecting the Chairpersons/Co-Chairpersons taking into consideration for the resolutions which have been approved by the General Assembly.
2. The TCP shall use his/her leadership to guide the Chairpersons/Co-Chairpersons in well defined directions with respect to the terms of reference.
3. The TCP shall suggest that the Chairpersons/Co-Chairpersons select active members of a Working Group after consideration of the talents and achievements of the members and the international balance of the group.
4. The Chairpersons/Co-Chairpersons shall be financially capable of attending the mid-term symposium of the relevant Technical Commission as well as the following Congress to report on Working Group activities.
5. Each WG Chair or Co-Chair shall organize one or more workshops, conferences or tutorials, preferably in odd-numbered years but at least four months from the mid-term symposia between the Congresses, in cooperation with the TCP. The dates for such meetings shall be approved by the Secretary General of the Society.
6. The Chairpersons/Co-Chairpersons shall recommend to the TCP candidates to present invited papers at the mid-term Symposium and/or the Congress.
7. The Chairpersons/Co-Chairpersons shall report annually to the TCP according to Bylaw XIII, 13. In addition, the Chairperson/Co-Chairpersons shall report on the WG activities at the mid-term Symposium and the Congress.
8. The TCP shall review and evaluate the activity of each Working Group and report to the Council annually.
9. The TCP may replace in consultation with the Council, any Chairperson who has not been active and who has not contributed to the work of the Commission.
10. The TCP may reorganize the Working Groups in consultation with Council.
11. The TCP shall communicate with the Ordinary Member correspondents concerning the Working Group activities of the Commission.
12. The TCP shall organize a Resolutions Committee in cooperation with Working Group Chairpersons/Co-Chairpersons and prepare draft scientific and technologic Resolutions for consideration before the last Joint Meeting of TCPs with Council. The Resolutions shall conform to the standard form of the "Guidelines for Proposing ISPRS Resolutions." The TCP shall submit a final draft of Resolutions to the First Vice-President in due time for the Congress.

<http://www.isprs.org/documents/orangebook/tcpresps.htm>

Guidelines for ISPRS Financial Commission

The role of the Financial Commission of ISPRS shall be advisory and consultative, and shall involve the following responsibilities:

1. To annually examine and audit accounts of the Treasurer and submit its findings in a report to Council no later than 31 May of each year.
2. To examine income and expenditures of the Society, and suggest to the Council and the General Assembly guidelines of financial policy, having regard to the Society's scientific and administrative responsibilities.
3. To advise the Council on all financial matters, including placement of investments and size of reserve, at any time upon the request of the Council.
4. To advise Council of the appropriateness of the annual budget prepared by the Treasurer and approved by Council
5. To examine all accounts and claims submitted by Council members and others included in the Treasurer's report, to verify their accuracy and ensure that they are consistent with ISPRS spending policies.
6. To ensure reconciliation of accounting discrepancies and co-sign with the Treasurer the annual budget, statement of receipts and payments and balance sheet by the end of May of each year and report directly to the Council through the Secretary General.
7. To be present in an advisory capacity at meetings of the General Assembly.
8. To meet at least once during its four-year term to develop financial policies.
9. To advise Council on proposals for new expenditures or new proposals that incur additional expenditure by the Society.

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Terms of Reference for Sustaining Members

1. Sustaining Members are individuals, organizations, institutions or agencies who manufacture or distribute instruments, equipment or supplies, or who operate or provides services in the fields of photogrammetry, remote sensing and/or GIS, or who are engaged in research and/or education, and who contribute to the financial support of the Society.
2. Sustaining Members shall pay an annual fee according to the invoice from the Treasurer at the beginning of each calendar year. There shall be 5 categories as follows:

Category	No. Specialists	Annual Fee (CHF)
A	> 750 employees	3450
B	100-750 employees	1725
C	25-100 employees	920
D	1- 25 employees	460
E	Educational Institutes	250

Sustaining Members are encouraged to increase their contribution but such additional contributions will not change the category of membership. A Sustaining Member who is more than two years in arrears shall be dropped from the rolls.
3. Applicants for status as Sustaining Members shall file with the Secretary General a written statement (less than 1000 words) describe their photogrammetric and/or remote sensing activities. Applicants shall commit to membership for a minimum of four years. Application shall be approved unless two or more members of Council submit objections in writing. Any such objections shall be forwarded to the applicant who shall have right of rebuttal.
4. The Secretary General will maintain a list of current Sustaining Members and the description of their activities. This information will be printed in appropriate Society publications. A Sustaining Member may revise the description of activities whenever it may be necessary.
5. At an appropriate time near the end of each Congress, the current Congress Director will schedule a meeting of the Sustaining Members to review the exhibit and other congress activities. The current Congress Director or his representative shall preside at this meeting. The incoming Congress Director will be an observer.
6. Approximately two years before each Congress, the Secretary General will schedule and invite to a meeting of the Sustaining Members at an appropriate time and place. A preliminary agenda for the meeting will be attached to the invitation. A member of the ISPRS Council, preferably the Congress Director, shall preside at this meeting. Not less than 8 weeks before this meeting the Congress Director will distribute to the Sustaining

Members a written description of the plans for the next Congress.

7. Not less than 4 weeks before the inter-Congress scheduled Meeting, Sustaining Members shall inform the Secretary General in writing of any items they wish included on the agenda and the name of their delegate. Voting by proxy shall be allowed provided it is designated in writing to the Secretary General in advance of the meeting. For the Congress meeting, designation of delegates and proxies may be made during the Congress.

8. At any meeting of the Sustaining Members, the number of votes will be determined by membership category as follows:

Category	A	B	C	D	E
Votes	8	4	2	1	1

In matters related to the Congress, deliberations of Sustaining Members shall be advisory only; the Congress Director has final authority for all Congress plans.

9. Sustaining Members will be provided with a suitable Certificate and shall have the right to indicate in their business and professional publications that they are Sustaining Members of ISPRS.
10. Amendments to these Terms of Reference which do not result in conflict with articles in the Statutes and Bylaws may be adopted by majority vote at any meeting of the Sustaining Members.
11. The Council recommends that the Congress Director provide exhibition space at the Congress to Sustaining Members at a discount rate.

Approved by Sustaining Members Meeting at XVI ISPRS Congress in Kyoto, July 1988.

Categories amended by General Assembly mail ballot, February, 1993.

Amendments approved at Sustaining Members Meeting at XVIII ISPRS Congress in Vienna, July 1996.

Amendments approved by the General Assembly at XX ISPRS Congress in Istanbul, July 2004.