

## ISPRS Society



### XXth ISPRS Congress

*Istanbul, Turkey from 12-23 July 2004*

*By Prof. Dr. M. Orhan Altan, Congress Director*

The XXth ISPRS Congress is going to be held in 2004 in beautiful Istanbul, an ancient city with a rich culture and history. The only city in the world that finds itself situated on two continents, Istanbul is located on the southeastern edge of Europe with its Asian suburbs lying on the other side of the Bosphorus strait. Istanbul was the capital of three successive empires: Byzantine, Roman and Ottoman, and traces of their former greatness can be seen in the antique monuments that still stand to this day.

The theme for the XXth Congress is to be "Geo-Imagery, Bridging Continents", a topic that in part plays upon the role of Istanbul itself but also upon the role of photogrammetry and remote sensing as a technique for understanding the past, present and future. The congress will be hosted in the Istanbul Convention and Exhibition

Center (ICEC), a new state-of-the-art complex located conveniently in the city's centre within walking distance of 16 major hotels. The conference will be held in the official languages of the ISPRS and all of the usual conference procedures will be followed. Organisational services will be provided by Magister Tours Inc., the same company that successfully organised the Habitat II Conference in 1996. It is expected that 3,000 participants will attend the conference, for which a sufficient number of hotels of various classes are available. The modern Istanbul Atatürk Airport, which is 23 km from the city centre, is well connected to many major airports in and outside of



*Professor Altan inviting the Congress to come to Istanbul.*

Europe, making the city easily accessible from all parts of the globe.

Additional offerings for delegates in attendance will include technical tours to Ankara, where the national cadastre and mapping activities are located, and organised visits to private firms. Among the countless other attractions are Istanbul's famous mosques, palaces and bazaars as well as the world-renowned Turkish baths. Guests will

most surely enjoy the many sightseeing, shopping and dining experiences available in this city. Moreover, Istanbul's competitive prices are often below the rest of Europe, which means a metropolis with modern amenities and cultural magnificence at a lower price, an option that will be appealing to many. Prospective delegates are invited to come to Istanbul and experience Turkish hospitality!



*"Geo-Imagery, Bridging Continents".*



## Summary of the Activities of ISPRS Technical Commissions at the Congress

*Presented by John Trinder, ISPRS Secretary General*

This summary was based on contributions provided by the ISPRS Technical Commission Presidents

### Technical Commission I – Sensors and Platforms Technical Commission President: George Joseph

Since the Vienna Congress, sensors and platforms technology has made substantial progress in various areas. The authorisation to own and operate satellites giving 1 metre data has stimulated a number of companies to develop high-resolution earth observation systems. The first of these, IKONOS II, successfully operating since last year is the beginning of a new era of satellite imagery wherein spatial resolution is likely to approach resolutions of aerial data. The interest of the remote sensing community in high-resolution imagery is well evident from the overwhelming response (more than 275 people) for the session at the Congress on high-resolution data.

Sensors dedicated for elevation extraction using fixed and aft camera and interferometric SAR open up new possibilities for global determination of digital elevation models.

The Congress had a number of papers on various uses of SAR, including new algorithms for reducing noise and sharpening feature edges. Another area of interest is moving target identification. Multi-frequency/multi-polarisation SAR is likely to open up new vistas of application.

Hyperspectral data availability and multi-angle sensing has opened up new areas of applications, which would enhance the use of remote sensing data.

Platform technology has been improving, enabling the development of spacecraft with lower weight and less power. The combined use of GPS, star sensor etc enables good positional accuracy even without using ground control points. The direct sensor orientation based on GPS and IMU is coming into practical application also for airborne survey.

With the increasing possibility of having data fusion from different sensors, the need for accurate geometric and radiometric calibration has become increasingly important.

To sum up, there are a number of innovations in the field of sensors and platforms which could make remotely

sensed imagery useful for several tasks. This also poses new challenges. With the large number of sensors available, to use the data from them as supplementary and complementary information calls for standardisation in specifying sensor parameters and their evaluation methodology, thereby enabling spatial, spectral and radiometric inter comparison more meaningful. This could be one of the major tasks of the new Commission.

### Technical Commission II - Systems for data processing, analysis and representation Technical Commission President: Ian Dowman

The main themes of the Commission II programme were related to the fusion of data to produce useful information by processing within photogrammetric digital systems and integration into GIS. This involved several focal points which included algorithms for features extraction which could be incorporated in systems for automatic registration and data fusion. It was reported that semi automatic systems are now found in commercial systems. There was great interest in the photogrammetric software for the new digital cameras and it appears that the community is receptive to using this new technology.

Integration in another sense was highlighted in the sessions on real time mapping and use of sensors on airborne and other platforms. Mobile mapping system components, including GPS, INS and mapping sensors are integrated and modularised for commercialisation. The results indicated that the utilisation of such modules was successful.

The successful development of image transfer standards in collaboration with ISO and OGC was demonstrated in a session with papers from ISO, NASA and commercial users. ISPRS is playing an important role in this work.

The goal of the commission to promote SAR data was achieved by conducting a tutorial before the congress, and there were several technical sessions devoted to SAR throughout the congress.

The session on 'Systems for new data products' was led by a panel discussion on the challenges facing remote sensing systems. These were seen to be the variability of formats and the consequent difficulties of accessing remote sensing data; the price of remote sensing data, particularly from operational programming and the lack of calibration and orientation data provided by operators.

The issues facing systems on a global scale were discussed with speakers presenting papers on IGOS and CEOS. Sustainable Earth observation requires a greater co-ordination of both user information requirements and supplier offering and both IGOS and CEOS are significantly assisting this process.

### **Technical Commission III - Theory and algorithms** **Technical Commission President: Toni Schenk**

The scientific agenda of Commission III addressed a wide range of activities from data acquisition, surface reconstruction, object recognition to image understanding. The results achieved in these diverse topics can be judged from papers presented at the mid-term symposium and at 10 workshops that have been held under the auspices of Commission III during the past four years. The results have been published in 7 archive proceedings. Although TCIII deals with theories and algorithms, most workshops dealt with topics that are of great practical importance, such as direct vs. indirect orientation, deriving DTMs from laser altimetry, and merging data and information obtained from different sensors.

The most important trends that emerged during the 4 year period can be summarised as follows:

Multisensor data acquisition systems, such as camera and laser scanning are increasingly being used and require modification/extension of existing algorithms and procedures to effectively merge (fuse) multisensor data.

At the same time, multispectral and even hyperspectral data have become available for other applications than traditional remote sensing, for example mapping urban areas. This greatly facilitates the automatic recognition and extraction of objects, such as buildings and roads.

New applications, such as city modelling require an ever increasing degree of automation. What used to take months or years to complete a mapping project has to be accomplished in a few weeks. This is only possible by streamlining and automating the processes---a typical subject of TCIII.

Recognising these developments make it clear that the role of TCIII is more important than ever. An interdisciplinary approach is necessary to make further progress. TCIII is best situated to establish contacts to other communities, e.g. computer vision, pattern recognition, and information science. Moreover, TCIII is in a unique position to translate research results to applications and procedures, such that they become available to practitioners without long delays.

The most important trends have been captured by 7 resolutions that will define the mandate of TCIII for the coming 4 year period.

### **Technical Commission IV - Mapping and Geographic Information Systems** **Technical Commission President: Dieter Fritsch**

The period 1996-2000 changed the contents of Technical Commission IV completely. It was decided during the Vienna Congress that in future this commission should be a "homebase" for Geographical Information Systems, in particular dealing with fundamental theoretical developments, operational aspects and GIS applications. Although this was in conflict with the existing structure of ISPRS commissions, especially with commission III, this problem could be solved for the benefit of ISPRS as a whole.

The review today clearly confirms that this move was very successful - ISPRS commission IV seems to be very attractive today, organised well-attended technical and poster sessions here at the Amsterdam Congress. We started a co-operation with the International Cartographers Association (ICA) and with the Spatial Data Handling Expert's Group of IGU - the incoming meeting of SDH in 2001 will be a Joint Meeting together with ISPRS Commission IV. It should be one focus of the future TC IV President to integrate SDH and TC IV.

It was also realised that the integration of image analysis and GIS is an important issue for data collection processes, in particular for GIS data revision. Up to now most of the image analysis strategies are data driven in a bottom up mode. Using existing GIS data this will strengthen the knowledge-driven approach, in top-down mode. It seems to be clear, that especially for GIS data revision processes the combination of top-down and bottom-up is the result for the future.

Technical Commission IV started to integrate indoor mapping capabilities offered by CAD and Facility Management Systems with 3D GIS. Therefore there is a need to interface Computer Aided Facility Management Systems with 3D city models to make our real world also virtually accessible. ISPRS can play an active part here. Many papers during the midterm symposium in Stuttgart were delivered on DTMs and orthoimages - these are standard products. The last period started optimistic to use high resolution satellite imagery producing these products, but unfortunately through the lack of data not that much experience could be gained. This hopefully will change in near future.

TC IV started also with models for spatial-temporal data management and analysis to consider time as an additional coordinate. It became clear that the work should be continued to study the behaviour of spatial objects according to its geometry, topology and semantics. TC IV brought out a book for the documentation of existing global databases, this book is a valuable source for all those scientists and practitioners who are concerned with environmental monitoring.

### **Technical Commission V - Close Range Techniques and Machine Vision**

**Technical Commission President: Hirofumi Chikatsu**

The last four years (1996-2000) have witnessed rapid progress of Commission V as close-range digital photogrammetry, inclusive of real-time imaging applications, has become a more widely adopted measurement tool in fields such as industrial metrology, machine and robot vision, medical and sports science, archaeology, architecture and construction management. Over this period, Commission V has pursued the goal of becoming a focal point, within both the ISPRS and associated organisations, for the communication of ideas and research progress in interdisciplinary areas where close-range imaging is used for 3D scene reconstruction and visualisation.

As a result of such as interdisciplinary activities of commission V, there were many interesting new developments and applications in on-line and off-line multi-image and multi-sensor system configurations, laser scanning, virtual reality and computer animation. In particular, it was remarkable that many applications for 3D modelling and visualisation were presented.

Furthermore, recently developed laser scanning technology will contribute greatly to issues such as real-time data acquisition, visualisation, 3D modelling and scene reconstruction. This example is but one that can be used to indicate that developments in close-range photogrammetry and machine vision will continue to be both profound and rapid. In spite of the impact of new technologies, there are many research goals related to existing theories and technologies that need to be realised and work on these areas can be expected to continue. Such current topics include real-time image sequence analysis, automated sensor orientation and calibration, feature extraction and image matching.

### **Technical Commission VI - Education and Communication**

**Technical Commission President: Lukman Aziz**

The main event of the Commission VI is the ISPRS mid-term Symposium TC-VI which held in Bandung, Indonesia, from April 15-17, 1999. The theme of the symposium is Sharing and Co-operation in Geo-Information Technology. It covered topics on education in survey, photogrammetry, remote sensing and GIS; CAT/CAL, Internet, knowledge sharing and technology transfer. Major results of working groups were:

- Updated the UN Directory on Education, Training, Research and Fellowship Opportunities in Space Science and Technology and its Applications.
- WG VI/2 collected/developed non-commercial soft-

ware for CAT which is currently available via the internet (LDIP, ORTO, WinASEAN, GIWIN, CD-ROM Remote Sensing Navigator)

- WG VI/3 kept in close contact with regional member organisations in Asia, Africa, and East Europe to help them in preparing workshops, tutorial sessions as well as to encourage them in ISPRS activities.
- Prepared web page guidelines for ISPRS

### **Technical Commission VII - Resources and Environment Monitoring**

**Technical Commission President: Gabor Remetey-Fülöpp**

In 1996-2000 Commission VII has emphasised and verified the efficiency of remote sensing as a tool, especially in monitoring various aspects of our environment, by which it made significant developments towards the better understanding of our living planet, the Earth as a system.

The better spatial/spectral/temporal resolution of Earth observing systems offers many new revelations. Since observation from space is the objective, adequate techniques for obtaining critical information is needed for improvement of the Earth System model.

Commission VII scientists were successful in monitoring interactions of Geosphere, Atmosphere, Biosphere, Hydrosphere, and Cryosphere, especially by:

- investigating hyperspectral sensing capabilities;
- conducting large area cross-country radar campaigns;
- demonstrating the operational applicability of RS and GIS in Agenda 21-related actions such as sustainable agriculture, forest management and regional/rural development, deforestation and its effect on the Carbon Cycle;
- setting up proposals and measures in control of relevant international treaties and policies,
- implementing novel non-renewable resources and geotechnical applications.

In the case of Africa, knowledge transfer was strengthened also by the ISPRS Commission VII. Supported also by ISPRS Council, Commission VII worked in close co-operation with R+D and knowledge dissemination centres and supporters such as NASA, CCRS, NRSA, ESA, NRSA, ERIM, GSDI, ISSR, AARSE, JRC SAI, CNES, ITC, as well as with different UN agencies and public and academic institutions. Advancements have been achieved in the application-oriented interpretation methodology. As major outcome, the release of the workshop report on Remote Sensing and the Kyoto Protocol organised by ISPRS and the University of Michigan has to be mentioned and the excellent teamwork is appreciated.

By the successful launch of IKONOS, we are experiencing

now the increasing availability of very high resolution satellite data. However, it should be remembered, the highest spatial resolution satellite imagery commercially available (0.8 metres) is approximately equivalent to a 1:100,000 scale aerial photograph. It means potential users will need to weigh up the benefits based on considerations of other factors such as costs, radiometric resolution, availability, ease of digital processing, etc. Apart the pre-Congress tutorials, activities of the Commission VII at the Congress were reflected also by the numerous Inter-Commission Sessions devoted to:

- Hyperspectral sensing applications,
- Sustainable resource management and
- Disaster monitoring.

The session on the Global RS/GIS and the Kyoto Protocol highlighted the successful Inter-Working Group co-operation, where a review of available and future technology for monitoring treaty compliance was given. Commission VII took also part in the discussion forum on the topic " Natural Heritages and Cultural Landscapes" arranged by UNESCO/ICOMOS/CIPA.

## Working Groups 2000-2004

### Proposed working groups for 2000-2004

The following working groups have been provisional agreed by Council. They will be confirmed within a few weeks and full details published in the next edition of highlights. If anybody wishes to be involved in any of the topics listed, they should contact the relevant Commission president.

#### Commission I – Sensors, platforms and Imagery President – Stanley Morain

- I/1 Standards for sensor parameters
- I/2 Sensor calibration and testing
- I/3 Active sensor systems
- I/4 Advanced sensor systems
- I/5 Platform and sensor integration
- I/6 Airborne sensor systems

#### Commission II – Systems for Data processing, Analysis and Representation President – Jun Chen

- II/1 Real-time mapping technologies
- II/2 Systems for SAR and LIDAR processing

- II/3 Integrated systems for spatial data management
- II/4 Image data standards
- II/5 Design and operation of spatial decision support systems
- II/6 Spatial analysis and visualisation systems
- IC II/IV Systems for automated geo-spatial data production and updating from imagery

#### Commission III – Theory and Algorithms President – Franz Leberl

- III/1 Sensor pose estimation
- III/2 Surface reconstruction from images as information source
- III/3 3D reconstruction from airborne laser and SAR point clouds
- III/4 Automated object modelling
- III/5 Algorithms for industrial vision
- III/6 Conceptual aspects of information fusion
- III/7 Generation of virtual outdoor environments
- III/8 Reliability and performance of algorithms



The 2000-2004 Council and TCPs during the Albuquerque meeting (October 2000).

### Commission IV – Mapping and Geographic Information Systems

#### President – Costas Armenakis

- IV/1 Spatial and temporal data modelling and analysis
- IV/2 Federated databases and interoperability
- IV/3 Data generalisation and data mining
- IV/4 Spatial data infrastructures
- IV/5 Integration of digital imagery and spatial information systems
- IV/6 Landscape modelling and visualisation
- IV/7 Data fusion and digital mapping
- IV/8 Global environmental databases
- IV/9 Extra terrestrial mapping

### Commission V – Close Range Techniques and Machine Vision

#### President – Petros Patias

- V/1 Automation for vision metrology systems and industrial applications
- V/2 Scene modelling and virtual reality
- V/3 Human motion and medical image analysis
- V/4 Integration of image analysis and spatial information systems for applications in cultural heritage

- V/5 Quick response and distributed computing for close range applications
- V/6 Vision and animation
- ICWGV/III Image sequence analysis

### Commission VI – Education and Communications

#### President – Tania Maria Sausen

- VI/1 Education and training
- VI/2 Computer assisted teaching
- VI/3 International co-operation and transfer of technology
- VI/4 Internet resources and distance learning

### Commission VII – Resource and Environmental Monitoring

#### President – Rangnath Navalgund

- VII/1 Fundamental physics and modelling
- VII/2 Sustainable agriculture and eco-system approach
- VII/3 Integrated monitoring systems for resource management
- VII/4 Human settlement and impact analysis
- VII/5 Disaster monitoring, mitigation and change assessment
- VII/6 Monitoring and modelling global change

**Preliminary Announcement and Call for Papers**  
**The 3rd ISPRS Workshop on Dynamic and Multi-dimensional GIS**  
**The 10th Annual Conference of CPGIS on Geoinformatics**  
**GEOINFORMATICS & DMGIS'2001**  
**Asian Institute of Technology, Bangkok, Thailand, 23-25 May 2001**

#### Organised by:

- Com. II & Com. IV of International Society for Photogrammetry and Remote Sensing (ISPRS)
- The Association of Chinese Professionals in Geographic Information Systems (CPGIS)
- Asian Institute of Technology (AIT)

#### The Symposium

The 3rd ISPRS Workshop on Dynamic and Multi-Dimensional GIS is the continuation of DMGIS'97 at Hong Kong and DMGIS'99 at Beijing. It is unique in that it focuses on themes that would transform GIS from static modelling in two dimensions to dynamic modelling in multi-dimensions.

#### The Themes for the Symposium

Themes for the 3rd ISPRS Workshop includes:

- Spatial relations and reasoning
- Multi-scale and multi-media representation
- 3D and 4D spatial data modelling
- Digital Terrain Modelling (DTM)
- Landscape Modelling and Visualisation
- Spatio-temporal databases
- Spatial database revision
- Dynamic data modelling
- Web-based distributed spatial databases
- System integration

#### Paper Abstract and Contact Person

Abstracts (in English) of between 500 and 1000 words should arrive at the following address by 31st December, 2000.

#### Dr. Xiaoyong CHEN

STAR Program, Asian Institute of Technology  
 PO BOX 4, Klong Luang, Pathumthani 12120, Thailand  
 Fax: 66-2-524-5597  
 Tel: 66-2-524-6407  
 E-mail: xychen@ait.ac.th

#### Important Date

31 December 2000:	Deadline of Abstract
31 January 2001:	Acceptance Notice
15 April 2001:	Deadline of Final Manuscript

#### Registration Fee

200 US dollar per person including the proceedings, admission to all presentation sessions, welcome party, visit and excursion. The fee will be received only in cash at the registration desk.

## Decisions of the ISPRS General Assembly

*XIXth ISPRS Congress, Amsterdam, The Netherlands, 16-23 July 2000*

### 1. Changes of Category

- Increase of category of China Tapei from 3 to 4.
- Increase of category of China from 6 to 7.
- Decrease of category of Indonesia from 4 to 1.

### 2. Members Admitted

1. Ordinary Members previously admitted by postal ballot and formally admitted at the General Assembly

- Botswana – Department of Surveys and Mapping, Government of the Republic of Botswana
- Eritrea – Mapping and Remote Sensing Centre
- El Salvador – Instituto Geográfico Nacional
- Bangladesh – Environment and GIS Support Project for Water Sector Planning (EGIS – II)
- Benin – National Center for Remote Sensing and Forest Cover Monitoring - CENATEL
- Cameroon – La Cameroon GEOMAT (LACG)

2. Associate Members previously admitted by postal ballot and formally admitted at the General Assembly

- Indian National Cartographic Association (INCA)
- Augustin Codazzi Geographic Institute, Columbia
- Pakistan Space and Upper Atmosphere Research Committee (SUPARCO)
- Department of Natural Resources, Queensland, Australia
- Russian Public Organisation: "Society of Contribution to the Development of Photogrammetry and Remote Sensing"

3. Associate Members admitted at the General Assembly

Jahad/ITC/KN Toosi Joint Education Program – An International Advanced School in RS & GIS (IJK)  
Tehran Geographic Information Centre (TGIC)

4. Regional Members previously admitted by postal ballot and formally admitted at the General Assembly

- CILSS/Centre Regional AGRHYMET
- SOPAC – South Pacific Applied Geoscience Commission

### 3. New ISPRS Awards were ratified

1. "The U.V. Helava Award" valued at Swf 10,000,- jointly supported by LH Systems and Elsevier Science B.V. for papers published in the Journal.
2. "The Gino Cassinis Award" supported by the Italian Society for Surveying and Photogrammetry for persons significantly enhancing the mathematical and statistical foundations of photogrammetry, remote sensing or spatial science for Swf 2,500,-.

### 4. Approved Donations

1. SwF 12,500 from the Japan Society of Photogrammetry and Remote Sensing and SwF 7,500 from the Joint ISPRS/EARSeL Workshop to support the Young Authors' Award.
2. A donation of US\$ 4,500 from Central Computer Service of Japan to support the Computer Aided Teaching software contest.

### 5. Approved Memorandums of Understanding and Letters of Intent

1. MoU between ISPRS and the UN Office of Outer Space Affairs (OOSA) in Vienna.
2. A Letter of Intent for Closer Collaboration with the International Center for Remote Sensing of Environment (ICORSE)
3. Letter of Intent for Closer Collaboration with the Geographical Information Science (GISc) Study Group of the International Geographical Union.

### 6. Approved New Contracts

1. Approved a contract with Elsevier Science, The Netherlands, for publication of the ISPRS Journal for period 2000-2004.
2. In principle approval of a contract with GITC by, The Netherlands, for publication of ISPRS Highlights.
3. The appointment of a Financial Consultant to assist Treasurer and Council with financial management and planning.

### 7. Ratified reviewed and new ISPRS Guidelines

### 8. Elected the Ordinary Member from Turkey to Host the 2004 Congress in Istanbul, Turkey

### 9. Ratified the Congress Director

Altan (Turkey)

### 10. Elected the new ISPRS Council

President: John Trinder (Australia)

Secretary General: Ian Dowman (UK)

Second Vice President: G. Bégni (France)

Treasurer: A Peled (Israel)

### 11. Appointment the First Vice President

Lawrence W. Fritz (USA)

### 12. Approved new Amendments to Statues and Bylaws of the Society

**13. Elected the Technical Commissions Presidents 2000-2004**

Commission I - Stanley Morain (USA)  
 Commission II - Chen Jun (China)  
 Commission III - Franz Leberl (Austria)  
 Commission IV - Costas Armenakis (Canada)  
 Commission V - Petros Patias (Greece)  
 Commission VI - Tania Maria Sausen (Brazil)  
 Commission VII - Rangnath R. Navalgund (India)

**14. Appointed the Chair and Members of the Financial Commission as follows:**

Chair: Professor H. Ruther (South Africa)

Members: Iffat Huque (Bangladesh)  
 Dr M. Barbosa (Brazil)

**15. Determined procedures for managing ISPRS Members in default**
**16. Agreed to maintain the subscription fees for 2000-2004 at their current levels**
**17. Approved Congress Resolutions**
**18. Approved the new logo for the Society**


## Meeting of Council Albuquerque, NM, USA, 17th and 21st October 2000

*By Ian Dowman, Secretary General*

**Attendees**

President	John Trinder (JT)
Secretary General	Ian Dowman (ID)
First Vice President	Lawrence Fritz (LF)
Congress Director	Orhan Altan (OA)
Treasurer	Ammatzia Peled (AP)

**Apologies**

Second Vice President	Gerard Begni (GB)
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**In attendance for certain items**

Editor ISPRS Journal	Manos Baltasvias (MB)
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**AGENDA**

1. Welcome
2. Approval of Agenda
3. Review of previous Council Meetings in Friesland and Amsterdam
4. Actions of Council
  - 4.1 Strategy Meeting actions
  - 4.2 Continued actions from the previous Council and regular actions
  - 4.3 Council responsibilities
  - 4.4 IPAC & ISAC
  - 4.5 Task Forces
    - Educational Opportunities
    - Communications
    - Remote Sensing for International Policies and Treaties
5. Review of Technical Commission Plans
6. Brainstorming session
7. Ratification of Commission Plans
  - 7.1 Working Groups
  - 7.2 Dates, locations and themes of Symposia, tutorials and other ISPRS meetings
  - 7.3 Distribution of WGs on a National Basis
  - 7.4 Other Matters
8. Congress
  - 8.1 Lessons learned from Amsterdam Congress (Technical Program, Registration, Exhibition, Abstract and paper submissions, Poster sessions and attendance, social program, General Assembly, National Reports)
  - 8.2 Plans for Istanbul
  - 8.3 Archives – hardcopy/CD
  - 8.4 Contract for Congress
9. ISPRS Membership
  - 9.1 Ordinary Members
  - 9.2 Associate Members
  - 9.3 Sustaining Members and fees
  - 9.4 Regional Members
  - 9.5 Actions on defaulting Members
10. ISPRS Publications
  - 10.1 ISPRS Journal (EB/JT)
  - 10.2 ISPRS Highlights, including Calendar, Editorials (ID)
  - 10.3 Brochure (ID)
  - 10.4 Home Page (ID)
  - 10.5 Archives and RICS contract
  - 10.6 Blue Book
11. Financial Affairs
  - 11.1 Handover to new Treasurer

12. Relations with International and other Organisations
  - 12.1 MARISY2000
  - 12.2 OICC
  - 12.3 CEOS
  - 12.4 Joint Board
  - 12.5 COPUOS
  - 12.6 UATI
  - 12.7 Others
13. Other Business

Remote Sensing  
 Prof. Dr. Paul Curran, UK  
 Dr. David G. Goodenough, Canada  
 Professor Howard Zebker

It was noted that the role of a Task Force is to advise Council, and that task forces normally last no longer than a four year period. The current Task Forces were reviewed:

The role of the Education Task Force to be transferred to Comm VI

The Communication Task Force was closed before the Congress.

Task Force on UN protocols could go into Comm VII but it is probably best if independent of a Commission.

## MINUTES

### 1. Introduction

Stan Morain welcomed Council and formally thanked NASA for funding the meeting

JT thanked Stan Morain and Amy Budge for organising the meeting.

JT welcomed Council to the first meeting and stresses that we will be working together as a team. The main issue for the meeting is to set the direction of commissions and to take note of ISAC comments, including the ISAC recommendation to restructure the commissions.

2. **The agenda** was revised to include the contract for the Congress (8.4) and the blue book (10.6). Item 6 was postponed to the next meeting.

### 3. Minutes of previous meetings

The minutes and actions of the Friesland and Amsterdam meetings were reviewed.

### 4. Actions of Council

Council reviewed the actions resulting from the Strategy Meeting actions including the following:

- Regional promotion
- International Industry Forum

The list of responsibilities was reviewed and is included at appendix CM4.3

The terms of reference and membership ISAC and IPAC were reviewed.

Membership of ISAC is now as follows:

- Prof. Dr. Michael F. Goodchild, USA
- Prof. Dr. Martien Molenaar, ITC, Netherlands
- Prof. Dr. David Rhind, City Univ., UK

Photogrammetry

- Prof. Dr. Clive Fraser, University of Melbourne, Australia
- Prof. Armin Gruen, ETH, Switzerland (Chair)
- Prof. Edward Mikhail, Purdue University, USA
- Prof. Dr. Wolfgang Förstner

### 5. Review of TC plans

Council reviewed all proposals and their conclusions were put to the TCPs at the Joint Meeting.

### 6. Brainstorming session

Postponed to next meeting.

### 7. Ratification of Commission Plans

Council discussed the plans put by TCPs during the Joint Meeting and it was agreed that the proposals were generally good and a productive four years was predicted. Some outstanding items remained and ID would summarise these and remind TCPs that revised proposals should be submitted as soon as possible but by 30th November at the latest for Council approval.

Dates, locations and themes of Symposia, tutorials and other ISPRS meetings were approved subject to confirmation of I, III and VII

### 8. Congress

Lessons learned from Amsterdam. A general discussion generated the following points for consideration:

- Attendance at first GA was poor and needs to be addressed.
- Length of the exhibit on each day a problem for exhibitors – to end earlier.
- The scientific and national exhibition is supposed to be free.
- Congress Director should be responsible for guidelines for presentation and preparation of manuscripts.
- Technical programme must be in control of TCPs
- Match room size with expected numbers.
- All award winners to be announced at beginning of the Congress.
- Accommodation for supported people from developing countries should be of reasonable standard.

- Printed programme needs to be clear and easy to follow.
- Special sessions should not conflict with technical sessions.
- The Joint Meeting in March 2004 should be able to review the programme.
- Archives A: need to start collecting material during 4 years and at Congress.
- National reports need attention – revised guidelines required.
- Tutorials were successful but workshops were not.

## 9. ISPRS Membership

It was agreed that the Secretary general should:

- check all changes made at Amsterdam and update address lists.
- send out certificates to new members .
- prepare new certificates for members, awards and special occasions, and prepare plaques for presentation

It was agreed to increase rates for sustaining members from the current rates of:

A SwF2800, B SwF1400 C SwF700 D SwF350

to:

A: SwF3000, B SwF1500, C SwF800, D SwF400

The Treasurer should refer to Friesland Minutes for action on delinquent Sustaining Members.

It was agreed that all fees should also be quoted also in \$US , the amounts to be fixed for a certain period.

Following the resolution at the general Assembly it was decided that the Treasurer should send reminders and ask members to contact the President if there is a problem in payment. Council to reconsider the position at next meeting.

## 10. ISPRS Publications

The Editor of the Journal introduced his paper and highlighted important points for discussion which include the replacements for Advisory Board and the book series.

Council discussed membership of Advisory Board and agreed on 12 possible new members.

Book series: Council expressed doubts about whether there would be enough input to maintain a good series. LF suggested that we need to get competitive bids from other publishers, EB said this is not a problem but Elsevier knows ISPRS. It was proposed to publish 2 books per annum.

The Secretary General would update the brochure with input from Congress Director and distribute it

with Silver Book. JT advised using a graphic designer. Fabio Remondino was commended on the excellent way in which he has worked on the web page. A number of issues were discussed resulting in actions:

- FR to clear old sites with outdated information.
- FR to consider whether services such as sales of publications should be offered on the web site such as those offered by ASPRS.

There was discussion on the distribution of the Archives in the light of RICS Books notice that they would not renew the contract. The following decisions were made;

The Amsterdam Archives will be distributed by GITC who will handle orders and collect payment.

The symposia Archives will be distributed by AP (TCPs will send 20 copies, maybe in batches of 10). All orders and payment will go to AP.

AP would hold limited current stocks in Israel. ID would investigate storage for archives currently held by RICS Books.

ID to ask RICS to have sale of current holdings and tell RICS Books that all proceedings to come to ISPRS in future.

Council approved proposals for GITC to set up and maintain the database and produce the Blue Book. The format proposed by ID was approved except for a need to rethink the format for ordinary members.

## 11. Financial Affairs

AP proposed that a unique ID-number should be attached to each members in the database.

The database should contain information on the members' record and a link between the Treasurers' databases and by the general database will be an ID-number.

AP needs to get PIN number to access account details.

Agreed that AP should get credit card and investigate getting a cheque book.

## 12. Relations with International and other Organisations

*MARISY2000*

ISPRS would be represented at the conference by GB and CA.

*OICC*

An MOU had been drafted and Council approved this. JT will attend Cairo meeting.

**CEOS**

Noted report on WGISS activities and especially meeting with commercial vendors.

Noted report on CEOS/IGOS disaster management support project.

ID would be attending WGCV meeting and would discuss collaboration with ISPRS. JT would be attending 14th Plenary.

**Joint Board**

Council noted minutes of Joint Board meeting. A commitment to offer scholarship of \$800 for attendance at workshops was agreed.

**COPUOS**

ID to contact COPUOS to inform of meetings at which workshops could be held. The following meeting were identified as potential sites:

- Cairo Jan 2001, Mobile Mapping
- Cairo February, 2001 OICC
- Dar es Salaam March 2002 Education
- Brasil 2001 Education
- Bangkok, Feb 2001 Cultural Heritage

- Bangkok , March 2001 Dynamic GIS
- Beijing, August 2001, Map revision (with ICA)
- Budapest IAG 2001

**UATI**

It was reported that ISPRS would eventually be dropping membership of UATI.

LF reported on UN issues.

**13. Other Business**

It was confirmed that the procedure for distribution of the minutes was:

Draft to Council

Final full version to Council.

Public version produced for TCPs, Web master ((for posting on web), Finance Committee, Editors etc.

Abbreviated version for Highlights.

The next meeting would be in Ayuttaya at the end of February, hosted by Shunji Murai. Preferred dates were 24th and 25th February. ID to confirm dates.

6th November 2000



**Educators Network**

*By Dr. Tania Maria Sausen, President ISPRS Commission VI-Education and Communication*

During the period I was the Chair of ISPRS TC VI WG4-Education (1996-2000) I have created an EDUCATORS NETWORK, which objective is to identify people involved with education in photogrammetry, remote sensing and SIS through out the world in order to exchange information about projects, seminars, courses, tutorials, symposia and congresses.

EDUCATORS NETWORK is a subscribers list. People who take part in this network will be directly linked to the ISPRS TC VI-Education and Communication and able to receive and send information about education to all subscribers.

During the ISPRS Joint Meeting in Bandung, Indonesia, April 2000 it was established that we have to increase the number of subscribers and stimulate the use of the Network Educators, for educational announcements.

This proposal was approved again in the last ISPRS Joint Meeting, in Albuquerque, USA, October 2001, and it is one of the proposal activities for TC VI in the period of 2000-2004.

If you are interested in taking part in this network, please subscribe in the list sending a message to:

[majordomo@ltd.inpe.br](mailto:majordomo@ltd.inpe.br)  
[cc: tania@ltd.inpe.br](mailto:cc: tania@ltd.inpe.br)

subject: do not write anything

in message area write - subscribe educators

After your subscription, if you want to send a message to EDUCATORS NETWORK send it to [educators@ltd.inpe.br](mailto:educators@ltd.inpe.br), automatically all subscribers will receive the message.

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## Dates and Locations of Symposia

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### COMMISSION I

October 2002  
Denver, USA  
President: Prof. Stanley Morain

### COMMISSION II

20-23 August 2002  
Xian, China  
President: Dr. Chen Jun

### COMMISSION III

9-13 September 2002  
Graz, Austria  
President: Prof. Dr. Franz Leberl

### COMMISSION IV

27-31 May 2002  
Ottawa, Canada  
President: Dr. Costas Armenakis

### COMMISSION V

3-6 September 2002  
Corfu, Greece  
President: Prof. Petros Patias

### COMMISSION VI

17-19 September 2002  
Rio de Janeiro, Brasil  
President: Dr. Tania Maria Sausen

### COMMISSION VII

Nov/Dec 2002  
Hyderabad, India  
President: Dr. Rangnath Navalgund

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## International Archives of Photogrammetry and Remote Sensing *CLEARANCE SALE*

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All existing stock of the Archives is being offered for sale at a greatly reduced price in order to reduce stock prior to being moved to a new location. The Archives on sale date back to 1996 and include the Vienna Congress and the 1998 mid term symposia.

A full list of titles can be found on the ISPRS web site ([www.isprs.org](http://www.isprs.org)) and on the RICS books web site ([mailorder@rics.org.uk](mailto:mailorder@rics.org.uk)).

ALL VOLUMES AVAILABLE AT £10.00

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## ISPRS Highlights will now be available from GITC bv at

US\$ 28 per year (for individuals who belong to an ISPRS member organisation)

US\$ 35 per year (for non-members)

**Please contact GITC's subscription department for more details or e-mail: [martina.sonsma@gitc.nl](mailto:martina.sonsma@gitc.nl)**

To receive ISPRS Highlights you only have to send us the complete address (*personal name, organisation name, address, city + postcode, country, phone, fax, e-mail, date, signature*) together with the (details of) payment. You can pay by credit card (*number, expiry date, signature*) or by mailing to GITC by separate post (*cheque, postal order, international money order, evidence of bankdraft*). The delivery of the magazine will start after receipt of payment.