

## FIG WORKING WEEK IN KOREA

### PROGRAMME FOR TECHNICAL CONFERENCE AND ADMINISTRATIVE MEETINGS

29<sup>th</sup> APRIL 2001

#### Friday 4<sup>th</sup> May 2001

18.00 – 20.00      **Bureau meeting**  
Only for the Bureau members

#### Saturday 5<sup>th</sup> May 2001

9.00 – 18.00      **Bureau meeting**  
Only for the Bureau members

13.00 – 17.00      **Meeting of the Commission officers**  
Only for the Commission chairpersons and vice chairpersons

17.00 – 18.00      **Meeting on the Congress 2002 for Commission Officers**  
Only for Commission chairpersons, vice chairpersons and Congress Director 2002

19.00 –              **Bureau Dinner**  
Only for the Bureau members and their accompanying persons

#### Sunday 6<sup>th</sup> May 2001

9.00 – 15.00      **ACCO Meeting**  
Only for the ACCO members and invited guests

15.00 – 18.00      **Meetings between the President and Vice President and the individual Commissions**  
Individual meetings between President Foster and/or Vice President Prof. Magel and the Commission Chairpersons, exact time-schedule for each Commission, to be confirmed.

19.00 –              **ACCO Dinner**  
Only for the ACCO members and their accompanying persons

#### Monday 7<sup>th</sup> May 2001

9.00 – 10.30      **Opening Ceremony**  
Presentations:  
Introduction of FIG, Christian Andreasen, Vice President of FIG  
Opening Address, Jaeyoung Kim, Chairman of the Local Organising Committee  
Welcome Address, Robert W. Foster, President of FIG  
Welcome Address, Keunsik Lee, Minister of Government Administration & Home Affairs  
Welcome Address, Jaeyoung Kim, President of Korea Confederation of Surveyors

11.00 – 12.30      **General Assembly, First Session**

**13.30 – 15.00**

**General Assembly – Breakout Sessions**

- Task force on the Review of the Commission, Task Force and Permanent Institution Structure 2000 – 2002
- Task force on the Cultures and Languages in FIG
- Future Strategies of FIG

**15.30 – 17.30**

**Commission Meetings**

Annual or other meetings of the ten FIG technical commissions

**17.30 – 19.00**

**FIG Education Foundation**

General Meeting, by invitation only

**Conference – “New Technology for a New Century”**

**Tuesday 8<sup>th</sup> May 2001**

**9.00 – 10.30**

**Plenary Session – Visions on Surveying**

Chairperson: Kyujon Cho, Vice President of Korean Association of Surveying and Mapping

Prof. Holger Magel, Vice President of FIG, Germany: Surveying and Politics – A Relationship of Mutual Benefit

Myounwoo Lee, Vice President, Korea Cadastral Survey Corporation, Korea: Future Vision on Korean Cadastral Surveying

Prof. Stig Enemark and Dr. Frances Plimmer, Chair and Secretary of FIG Task Force on Mutual Recognition on Qualifications: Mutual Recognition of Professional Qualifications – Developing a Concept Tailored for the Surveying Profession

Antti Rainio, Coordinator of NAVI Programme, Navinova Ltd., Finland: Location-based Services and Personal Navigation in Mobile Information Society

**11.00 – 12.30**

**Plenary Session – FIG Co-operation with the United Nations and Other International Agencies**

Chairperson: Jerome C. Ives, Vice President of FIG

Prof. Ian Williamson, Director FIG/UN Liaison: Co-operation between FIG and the United Nations Agencies

Helge Onsrud, Chair of FIG Task Force on Sustainable Development: The FIG Agenda 21

Willi Zimmermann, Team Leader, Cambodian-German Land Management Project, German Technical Cooperation (GTZ): FIG Co-operation with the United Nations Organisations and other International Agencies – The Approach of the German Agency for Technical Co-operation GTZ

Jan Meeuwissen UNCHS(Habitat), Regional Office for Asia and the Pacific: Re-establishing Land Administration in East Timor

**13.30 – 15.00 Session 1 – Co-operation on Standards in Surveying**

Coordinator: Task force on Standards

Chairperson: Dr. Winfried Hawerk, Germany

Larry Hothem (USA), Olaf Ostensen (Norway) and Prof. Tschangho John Kim (USA): Overview on the Results and Goals of ISO TC211

Prof. Hans Knoop (Germany): ISO/TC211 Project 19122, Geographic Information/Geomatics – Qualification of Personnel – Status and Development

Hagen Graeff (Germany): FIG Multi-lingual Dictionary in Promoting International Understanding

Iain Greenway (UK): Surveyors and Standards – The Interrelationship

**13.30 – 15.00 Session 2 – Hydrographic Surveying**

Coordinator: Commission 4 - Hydrography

Chairperson: Dennis St. Jacques (Canada)

Dennis St. Jacques (Canada): Implementing the Commission 4 Work Plan

Yoshihiro Matsumoto, Shoichi Kokuta, Hirokazu Mori and Hiroyuki Yamano (Japan): Shallow Water Multibeam Echosounding in Japan Hydrographic Department (Additional paper included only in the proceedings)

Kunio Yashima, Azusa Nishizawa and Yasuo Ootani (Japan): The Survey of Myojin-sho, the Submarine Volcano by an Unmanned Radio Operating Survey Boat “Manbou II” (Additional paper included only in the proceedings)

Dr. Joachim Behrens (Germany): Surveying of Waters in the FRG by the Federal Waterways and Shipping Administration

**13.30 – 15.00 Session 3 – Experiences on Cadastral Systems**

Coordinator: Commission 7 – Cadastre and Land Management

Chairperson: Dr. Paul Munro-Faure, United Kingdom

Prof. Byung-Guk Kim, Kwang-Seok Kwon and Donghoon Jeong (Korea): Items of Cadastral Computations in the PBLIS of KCSC

Bo Lauri (Sweden): User Interface and Internet Approach – Important Components in the Swedish Cadastral System

Byoungjun Seo, Jaejoon Jeong, Jaebin Lee and Prof. Yongil Kim (Korea): Development of Hybrid Vectorizing Software for Digitization of Cadastral Maps

Dr. Hung Vo Dang and Dr. Quy Thuc Le (Vietnam): Development of Surveying and Mapping Technology in Vietnam

**13.30 – 15.00 Workshop – Task force on Under-represented Groups in Surveying: Network Activities**

Gabriele Dasse (Germany): The Task Force and the Advantages of Networking

**15.30 – 17.00 Session 4 – Digital Photogrammetry and Remote Sensing**

Coordinator: Commission 5 – Positioning and Measurement  
Chairperson: Prof. Nicolas Paparoditis, France

Prof. Jongchool Lee, Prof. Sungyeol Cha and Dongju Seo (Korea): Improvement of Geometric Correctional Accuracy According to GCP Disposition of KOMPSAT

Kiin Bang and Prof. Woosug Cho (Korea): KOMPSAT-EOC Sensor Model Analysis

Sangho Bae (Korea): The Component Development of Digital Close Range Photogrammetry for the Construction Structure Displacement Analysis

Hyosung Lee, Yangdam Eo, Prof. Yongil Kim and Prof. Kiwon Ahn (Korea): Object's Surface Roughness Measurement Using High Resolution Digital Camera

**15.30 – 17.00 Session 5 – Spatial Information Infrastructure I**

Coordinator: Commission 3 – Spatial Information Management  
Chairperson: Prof. Bernd Teichert, Germany

Jes Ryttersgaard (Denmark): Commission 3 in Progress

Sangdeuk Han and HeungMuk Cho (Korea): Development of National Spatial Data Infrastructure in Korea

Dr. Chryssy Potsiou, Prof. Charalambos Ioannidis (Greece) and Gerhard Muggenhuber (Austria): NSDI's – Classification and Comparison between various National Reports

Dr. Szabolcs Mihály and Katalin Tóth (Hungary): Promising Steps towards an International On-line Service

**15.30 – 17.00 Session 6 – Cadastral Systems and Sustainable Development**

Coordinator: Commission 7 – Cadastre and Land Management  
Chairperson: Prof. Paul van der Molen, The Netherlands

Prof. Ian Williamson (Australia): The Evolution of Modern Cadastres

Katalin Komjathy, Dr. Susan E. Nichols (Canada) and Agneta Ericsson (Sweden): Principles for Equitable Gender Inclusion in Land Administration: FIG Guidelines on Women's Access to Land

András Osskó (Hungary): Advantages of the Unified Multipurpose Land Registry System

**15.30 – 17.30 Open Workshop on Standards**

**15.30 – 17.30 Open Meeting of the Task Force on Mutual Recognition of Qualifications**

**17.30 – 19.00 Commission 5 Steering Committee Meeting**  
(only for the members of the Steering Committee)

**Wednesday 9<sup>th</sup> May 2001**

**9.00 – 10.30      Session 7 – Modernising Land Administration and Cadastre**

Coordinator: Commission 7 – Cadastre and Land Management

Chairperson: Prof. Tommy Österberg, Sweden

Prof. Dang Hung Vo (Vietnam) and Gösta Palmkvist (Sweden): Sweden – Vietnam Cooperation on Land Administration Reform in Vietnam

Prof. Andrzej Hopfer and Wojciech Wilkowski (Poland): The Polish Cadastre IACS and EU Accession Requirements

Humphrey K Njuguna and Martin M Baya (Kenya): Land Reforms in Kenya: An Institution of Surveyors of Kenya (ISK) Initiative

Wonjun Choi, Prof. Minsuk Lee and Prof. Woosub Sim (Korea): Cadastral Maps - How to Make Digital from Graphical

**9.00 – 10.30      Session 8 – Reference Frame in Practice**

Coordinator: Commission 5 – Positioning and Measurement

Chairperson: Matt Higgins, Australia

Prof. Hongsic Yun (Korea): On the New National Geodetic Datum 2000 in Korea

Michael Cory, Roy Morgan, Colin Bray and Iain Greenway (Ireland and UK): A New Coordinate System for Ireland

Prof. Chen Yong-qi and Yang Zhan-ji (Hong Kong, China): A Hybrid Method to Determine the Hong Kong Geoid

Prof. Vladimir Sedlak (Slovak Republic): GPS Measurements of the Geotectonic Recent Movements in East Slovakia

**9.00 – 10.30      Session 9 – Facility Management System, Transportation and Utility Lines**

Coordinator: Commission 6 – Engineering Surveys

Chairperson: Prof. Lothar Gründig (Germany)

Prof. Lothar Gründig and Dr.-Ing. Frank Gielsdorf (Germany): Utility Lines and Facility Management – A Task for the Surveying Engineer

Jan Hardos (Slovak Republic): Geodetic Works for the Slovak Gas Industry

Prof. Gerd Kehne (Germany): Maintenance of Tunnels with the Help of Spatial Information Systems

Huug Haasnoot (The Netherlands): Aerial Survey of Fix Assets in the Right-of Way

Prof. Byounggil Choi and Prof. Gyewoon Choi (Korea): A Development of Deterioration Estimation and Management System on Water Lines Using GIS

**9.00 – 10.30      Workshop on the Coherence between Spatial Information and the Development of Organisational Structures - Session I**

Coordinator: Commission 3 – Spatial Information Management

**11.00 – 12.30 Session 10 – Cadastral Trends: Institutional and Legal**  
Coordinator: Commission 7 – Cadastre and Land Management  
Chairperson: Dr. Winfried Hawerk, Germany

Prof. Tommy Österberg (Sweden): Cadastre as a Tool for Implementing Land Policy

Prof. Yun-Soo Choi and Prof. Byung-Uk Park (Korea): The Pilot Production of Topographic-Cadastral Maps and Its Applications in Korea

Dr. Gershon Steinberg (Israel): Implementation of Legal Digital Cadastre in Israel

Prof. Uknam Kim (Korea): A Historical Study on the Parcel Number and Numbering System in Korea

**11.00 – 12.30 Session 11 – Permanent GPS Reference Networks**

Coordinator: Commission 5 – Positioning and Measurement  
Chairperson: Dr. Naser El-Sheimy, Canada

Tetsuro Imakiire and Yoshiro Nakahori (Japan): GPS Earth Observation Network (GEONET) of Japan

Gunnar Hedling, Bo Jonsson, Christina Lilje and Mikael Lilje (Sweden): SWEPOS® – The Swedish Network of Permanent GPS Reference Station (Status February 2001)

Jonguk Park, Jeongho Joh, Hyungchul Lim, Pilho Park and Sangwoon Lee (Korea): The Development of DGPS Service System Using FM DARC (EYEDIO) in Korea

Matthew B Higgins (Australia): An Australian Pilot Project for a Real Time Kinematic GPS Network Using the Virtual Reference Station Concept

Chulsoo Yang and Sangsoo Kim (Korea): The Current Status of GPS Network, Datum Transformation and Real Time Kinematic GPS Positioning in Korea

**11.00 – 12.30 Session 12 – Business Practices**

Coordinator: Commission 1 – Professional Standards and Practice  
Chairperson: Klaus Rürup (Germany)

Prof. John R Parker (Australia): Quality and Business Practices

Iain Greenway (UK): Business Practices for Surveyors

Dr. Tom Kennie and Chris Ward (UK): Modelling the Business Dynamics of Surveying Practices Using the Survsim Simulation

Prof. Yunki Kim (Korea): The Determinants of Public Officials' Job Satisfaction - The Case of Korean Public Officials in the Cadastral Administration

**11.00 – 12.30 Workshop on the Coherence between Spatial Information and the Development of Organisational Structures - Session II**

Coordinator: Commission 3 – Spatial Information Management

**12.30 – 13.30 Sponsors Meeting**

Working lunch, by invitation only.

**13.30 – 15.00 Session 13 – Cadastral Trends: Technical**

Coordinator: Commission 7 – Cadastre and Land Management  
Chairperson: Dr. Jungho Kim, Korea

Jürg Kaufmann (Switzerland): Cadastre 2014: From Theory to Practice

Prof. ChangKyung Lee (Korea): Investigation of Cadastral and Topographic Survey for Providing Collapsed Lands under the Sea

Bodil Ekner (Denmark): Restrictions in Land Use – Information and Control

Prof. Paul van der Molen (The Netherlands): Datacommunication: A Lifeline between Land Administration Organizations and Society

**13.30 – 15.00 Session 14 – New Technology and Applications**

Coordinator: Commission 5 – Positioning and Measurement  
Chairperson: Mikael Lilje, Sweden

Cameron M Ellum and Dr. Naser El-Sheimy (Canada): Portable Mobile Mapping

Jeongheon Seo and Sangdeuk Han (Korea): Study on Geographic Information Production Using Airborne Laser Scanning

Moha Elayachi, Hicham Salimi and Said Souhaili (Morocco): GPS\_DAO – Application to Use GPS for Topographic and Cadastral Plans

Dekkie Tcha and Prof. Kyujon Cho (Korea): The Development of Data Capturing and Geocoding Modules by Speech-Voice Recognition

Prof. Jongchool Lee and Hosik Jang (Korea): Determination of Least Observation Time Classified by Baseline Grade According to GPS Satellite Combination

**13.30 – 15.00 Session 15 – Virtual Academy – Experiences and New Approaches**

Coordinator: Commission 2 – Professional Education  
Chairperson: Prof. Stig Enemark, Denmark

Prof. Esben Munk Sørensen (Denmark): Vision for Universities - A 5-10 Year Perspective

Prof. Bela Markus (Hungary): Networked Education in Land Administration

Prof. Kirsi Virrantaus (Finland): Interactive Learning in the Classroom – Not a Competitor but a Partner for E-learning

**13.30 – 15.00 Workshop on Business Practices**

Coordinator: Commission 1 – Professional Standards and Practice  
Chairperson: Iain Greenway, United Kingdom

**15.30 – 17.00 Session 16 – Major Land Administration, Cadastre and Land Titling Projects**

Coordinator: Commission 7 – Cadastre and Land Management  
Chairperson: András Osskó, Hungary

Dr. Winfried Hawerk (Germany): ALKIS® –Germany's Way into a Cadastre for the 21<sup>st</sup> Century

Lor Davuth and Suon Sopha (Cambodia): Reforming Land Registration in Cambodia

Romualdas Kasperavicius (Lithuania): Reform of Land Cadastre in Lithuania

Shoichi Oki and Prof. Taichi Oshima (Japan): The Status Report of Reforming the Cadastre in Japan

Dr. Chryssy Potsiou and Prof. John Badekas (Greece): Preliminary Analysis of the Hellenic Cadastral Data

**15.30 – 17.00    Session 17 – The Use of Positioning and Measurement Technology in Engineering and Construction Applications**

Coordinator: Commission 6 – Engineering Surveys

Chairperson: Dr. Michel Mayoud, France

Prof. Taichi Oshima (Japan): Modern Survey of Large Bridge and Tunnel Project for their Construction Control

D. Stathas, J. Karabelas, C Liapakis, Dr. Basil Psarianos and Marios Kontaratos (Greece): Dynamic Vehicle Positioning and Orientation Techniques for Inspecting Road Surface or Guiding Construction Machines

Prof. Jongchool Lee, Junghoon Seo and Jongho Heo (Korea): Estimation of the Design Elements of Horizontal Alignment by the Method of Least Squares

Prof. Jongchool Lee and Taeho Rho (Korea): Application to Leveling Using Total Station

Dr. Yu-Min Chang (Taipei, China): Determination of Material Constants by Precise Laser Deformation Measurement

**15.30 – 17.00    Session 18 – Curricula I – Curricula around the World**

Coordinator: Commission 2 – Professional Education

Chairperson: Prof. Kirsi Virrantaus, Finland

Prof. Pedro Cavero (Spain): Surveying Studies in the Latin American Countries

Prof. Julian “Jud” Rouch (USA): The Current Status of Surveying Education Curricula in the USA

Prof. Liu Yanfang and Liu Xiaobo (China): Development of High Education for Surveying and Mapping in Wuhan University, P. R. China

Prof. Jongduck Ji and Prof. Hwanzong Yu (Korea): The Development and Characteristics of the Modern Cadastral Education in Korea

**17.30 – 18.30    Réunion le groupe francophone de la FIG – Meeting of the Groupe Francophone of FIG**

**Thursday 10<sup>th</sup> May 2001**

**9.00 – 10.30    Session 19 – Reforms – Organisational/Professional**

Coordinator: Commission 1 – Professional Standards and Practice

Chairperson: Prof. John Parker, Australia

Keith C. Bell and Elizabeth O’Keeffe (Australia): Reform of Professional Regulation – A Necessary Prerequisite for Cadastral Reform

Jörg Gebauer (Germany): Model–Structure Continuing Professional Development – The DVW – Project

Leonie Newnham, Adrian Spall and Elizabeth O’Keeffe (Australia): New Forms for Government Land Administration – Land Victoria, A Case Study of the Trend towards Combining Land Administration Functions and the Resulting Benefits to the Community

**9.00 – 10.30      Session 20 – Urban Regeneration and Urban Land Readjustment**

Coordinator: Commission 8 – Spatial Planning and Development

Chairperson: Helmut Brackmann, Germany

Helmut Brackmann (Germany): Urban Regeneration – Conclusions and Results of Commission 8 Projects

Paul Lohmann (The Netherlands): Enschede: Is there Life after the Disaster?

Rainer Müller-Jökel (Germany): German Land Readjustment – Ecological, Economic and Social Land Management

Prof. Kauko Viitanen (Finland): The Finnish Urban Land Readjustment Procedure in an International Context

**9.00 – 10.30      Session 21 – Spatial Information Infrastructure II**

Coordinator: Commission 3 – Spatial Information Management

Chairperson: Dr. Chryssy Potsiou, Greece

Hiroshi Une, Shozo Kajikawa and Akira Yaguchi (Japan): Current Status of Global Mapping Project: Release of Global Map Version 1.0 and Start of Phase II

Kazuo Inaba and Eiichi Tamura (Japan): Current Status of GIS Related Activities in Japan

Prof. Junehwan Koh (Korea): A Study on the Development of Urban Land Use Information System for Sustainable Land Management

Dr. Jan Bares and Jiri Calek (Czech Republic): Users of the Digital Maps of Prague

Dr. Szabolcs Mihály (Hungary): Two Standards on Digital Maps as Part of the Hungarian NSDI

Enikő Kovács and Dr. Szabolcs Mihály (Hungary): The Hungarian National Spatial Data Infrastructure

**9.00 – 10.30      Workshop – Guidelines for Check, Maintenance and Calibration of Survey Instruments**

Coordinator: Commission 5 – Positioning and Measurement

Chairperson: Prof. Hans Heister, Germany

Goal: To present the actual situation concerning the Commission 5 and FIG guidelines to be produced for the FIG Congress 2002.

Prof. Jean-Marie Becker (Sweden): Opening - Why this Workshop?

Dr. Mikko Takalo, Paavo Rouhiainen, Pekka Lehmuskoski and Veikko Saaranen (Finland): On Calibration of Zeiss DiNi12

Prof. Jean-Marie Becker (Sweden): Field Procedures for Determining Achievable Precision of Surveying Instruments: Levels

Dr. Volker Schwieger (Germany): Time-dependent Correlations Using the GPS - A Contribution to Determine the Uncertainty of GPS-Measurements

Matthew B Higgins (Australia): Guidelines for GPS Surveying in Australia

**11.00 – 12.30 Session 22 – Curricula II – Non-geodetic Fields in the Surveyors' Curricula**

Coordinator: Commission 9 – Valuation and the Management of Real Estate

Chairperson: Michael Yovino-Young, USA

Prof. Kauko Viitanen (Finland): Education of Valuers – Goals to Be Reached in FIG

Prof. Basil Psarianos (Greece): The Role of Non-Geodetic Professional Expertise of a University Educated Surveyor in an Emerging Ambiguous and Unsafe Future of the Profession

David Graham Rodgers (UK): The Development and Evaluation of the Built Environment Modular Scheme (BEMOS) at Leeds Metropolitan University

Stephen Yip (Hong Kong, China): The Emerging Valuation Profession in China

**11.00 – 12.30 Session 23 – Spatial Planning and Environmental Policies**

Coordinator: Commission 8 – Spatial Planning and Development

Chairperson: Paul Lohmann, The Netherlands

Diane Dumashie (UK): An Investigation in to the Global Process of Mega-Cities and Managing Land Economic Changes

Prof. Chulmin Jun (Korea): Setting Guidelines for Lifting the Ban on the Greenbelt Zones

Steponas Deveikis (Lithuania): To New Solutions and New Technologies in Territorial Planning in Lithuania – Ten Years of Experience of the Surveying with Issues of the Urbanisation and Ruralisme

Yasuo Kitano, Dr. Hirokazu Kato and Prof. Yoshitsugu Hayashi (Japan): A Life Cycle Estimation System of Various Environmental Loads for Urban Restructuring

Dr. Khin Sandar (Japan): GIS for Environmental Infrastructure Development: A Case Study of Yangon, Myanmar (Additional paper included only in the proceedings)

**11.00 – 12.30 Session 24 – Different Aspects of Spatial Information Management**

Coordinator: Commission 3 – Spatial Information Management

Chairperson: Prof. Tschangho John Kim, Korea

Dr. Martin Scheu and Detlef Rosenbaum (Germany): Spatial Information Management (SIM) for Berlin Urban Transport System

El Hassane Semlali (Morocco): A GIS Solution to Land Consolidation Technical Problems in Morocco

Tim Bennett (UK): Strategic Facilities Planning Model for Public Property – UK Healthcare Case Study

Jaeik Liou (Korea): Object Activity Model Approach to Geoinformation Process

Toru Watanabe (Japan): Study on Urgent Establishment of Topographic Mapping in East Timor – Creation of Topographic Information for Establishing of Cadastre in East Timor

**11.00 – 12.30 Workshop – Guidelines for Check, Maintenance and Calibration of Survey Instruments**

Coordinator: Commission 5 – Positioning and Measurement

Chairperson: Dr. Vaclav Slaboch, Czech Republic

Goal: To present the actual situation concerning the Commission 5 and FIG guidelines to be produces for the FIG Congress 2002.

Prof. Nicolas Paparoditis, FIG WG 5.4 (France): Guidelines for Quality Check of Cameras etc.

Dr. Michel Mayoud, FIG Commission 6 (France): Large Scale Metrology at CERN - Length and Offset Calibration Benches at Micrometric Accuracy

Dr. Naser El-Sheimy, FIG WG5.3 (Canada): Guidelines for Check of Multi-Sensors Equipment

Prof. Hans Heister, FIG WG 5.1 (Germany): A New Concept for Stating Accuracy in Standards - Exemplified by ISO/CD 17123-6 Rotating Lasers

**13.30 – 15.00 Session 25 – Valuation and Appraisal – Advanced Methodologies and Technology**

Coordinator: Commission 9 – Valuation and the Management of Real Estate

Chairperson: Michael Yovino-Young, USA

Simon Adcock (Australia): A Global Commercial Lease for the New Century

Hogiko Iwata (Japan): The Current Status of Japanese Real Estate Market – Securitization of Real Estate

Sangho Lee (Korea): The Changes of Korean Appraisal Market

Michael Mürle (Germany): Assessment of the Market Value of Real Estate with Private Housebuilding Derived from the Summation Method of Valuation with Adjustment to Current Market Value

**13.30 – 15.00 Session 26 – Curricula III – How to Manage and Keep the Curricula Contents Up-to-date?**

Coordinator: Commission 2 – Professional Education

Chairperson: Prof. Pedro Caverio, Spain

Gabriele Dasse (Germany): Which Changes to the Curricula Do We Need to Attract More Women to Study Surveying?

Prof. Kirsi Virrantaus (Finland): Educational Database as a Tool for Describing and Comparing Surveyors' Curricula around the World

Discussion on the Development of the FIG Surveying Education Database, moderated by Prof. Kirsi Virrantaus

**13.30 – 15.00 Session 27 – 3D Spatial Information**

Coordinator: Commission 3 – Spatial Information Management  
Chairperson: Gerhard Muggenhuber, Austria

Prof. Bernd Teichert and Christiane Richter (Germany): The Pampa of Nasca – Development of a Multimedia GIS

Takayuki Okubo (Japan): Airborne Laser Measurement Technology in Japan

Prof. Yerach Doytsher, Dr. Joseph Forrai and Gili Kirschner (Israel): Initiatives toward a 3D GIS-Related Multi-Layer Digital Cadastre in Israel

Jantien Stoter and Jaap Zevenbergen (The Netherlands): Changes in the Definition of Property: A Consideration for a 3D Cadastral Registration System

**13.30 – 16.00 Workshop – Guidelines for Check, Maintenance and Calibration of Survey Instruments**

Coordinator: Commission 5 – Positioning and Measurement

Chairperson: Prof. Jean-Marie Becker, Sweden

Goal: To present the actual situation concerning the Commission 5 and FIG guidelines to be produced for the FIG Congress 2002.

Karl Zeiske (Switzerland): Current Status of the ISO Standardization of Accuracy Determination Procedures for Surveying Instruments

Dr. Vaclav Slaboch and Dr. Jiri Lechner (Czech Republic): Quality Management of Instrument Certification in the Czech Republic

**Panel Discussion** - Open Discussion about the Needs of Standards, Guidelines, Quality Management etc.

Prof. J-M Becker, Dr. K Zeiske, Dr. V Slaboch, Prof. H Heister, M Higgins etc.

**15.00 – 17.00 Open Meeting of Commission 2 and the Joint Commission 2 and 9 Working Group on Education of Valuation in FIG**

**15.30 – 17.00 Session 28 – Remote Sensing and GIS in Environmental Monitoring**

Coordinator: Commission 3 – Spatial Information Management

Chairperson: Dr. Yerach Doytsher, Israel

Dr. Gholam Reza Zehtabian, Dr. Seyed Kazem Alavi Panah and Ramin Hamedpanah (Iran): Determination of an Appropriate Area for Flood – Water Spreading by Remote Sensed Data and GIS in the Tagharood Catchment (Iran)

Dr. Sankaran Rajendran and V. A. Chandrasekaran (India): Monitoring Urban Expansion of Tiruchirapalli Town of Tamil Nadu State, India Using IRS-1C Satellite Data

Dr. Seyed Kazem Alavi Panah and Dr. Gholam Reza Zehtabian (Iran): Remote Sensing and GIS Tools for Planning and Management

**15.30 – 17.00 Session 29 – Valuation Practice**

Coordinator: Commission 9 – Valuation and the Management of Real Estate

Chairperson: Stephen Yip, Hong Kong, China

Zailan Mohd Isa (Malaysia): The Management of Public Property in Malaysia

Gianfranco Morocutti (Italy): Maintenance and Management Costs of Open Sport Facilities

Sangkyu Kim (Korea): Appraisal of the Land Inconsistent with the Cadastral Records

**16.00 – 18.00 ACCO Meeting**  
Only for the members of ACCO

**Friday 11<sup>th</sup> May 2001**

**8.30 – 10.00 President's Meeting**  
Only for the Presidents of the member associations, by invitation only

**10.00 – 13.00 General Assembly, 2<sup>nd</sup> Session**

**13.00 – 13.30 Closing Ceremony**