



CONFERENCE PROGRAMME

Monday, 6 March 2006

09:00-17:00

FIG Council meeting

Venue: Kwafie

- by invitation only

Tuesday, 7 March 2006

09:00-17:00

Council ACCO meeting

Venue: Kundum

- by invitation only

Wednesday, 8 March 2006

09:00-10:00

Opening Ceremony

Venue: Aday Kesie

Chair: **Odenho Gyapong Ababio**, President, National House of Chiefs, Ghana

Rapporteur: **Dr. Isaac Bonsu Karikari**, Ghana

Special Guest of Honour: His Excellency Mr. **J. A. Kuffour**, President of the Republic of Ghana

Keynote Address: Hon. **Dominic Fobih**, Minister of Lands, Forestry and Mines, Ghana

Keynote Address and Opening of the Conference: Univ.-Prof. Dr.-Ing. **Holger Magel**, President of FIG: Promoting Land Administration and Good Governance

Wednesday, 8 March 2006

10:00-10:30

Opening of the Exhibition

Venue: Damba III

Coffee/Cocoa Break

Venue: Damba III

Wednesday, 8 March 2006

10:00-17:00

Exhibition

Venue: Damba III

Wednesday, 8 March 2006

10:30–12:00

Plenary Session 1 – Land Administration and Good Governance

Venue: Adae Kesie

Chair: Dr. **Andreas Drees**, Germany, Vice President of FIG

Rapporteur: Prof. **S. O. Asiamah**, Ghana

PS1.1 Dr. **Mika-Petteri Törhönen**, FAO: Land Administration and Good Governance

PS1.2 Dr. **Wordsworth Odame Larbi**, Project Director, Land Administration Program, Ministry of Lands, Forestry and Mines (Ghana): Land Administration Reform in a Plural Environment – The Case of Ghana

PS1.3 Mr. **Godfried J. M. Barnasconi**, Director, Kadaster International (The Netherlands): Re-Design Land Administration Strategy for Good Governance

Wednesday, 8 March 2006

12:00–13:30

Lunch

Venue: La Palm Hotel

Wednesday, 8 March 2006

13:30–15:00

TS 1 – Good Governance, Land Administration and Land Administration Program (LAP) in Ghana

Venue: Adae Kesie

Commission: 3 and 7 and Ministry of Lands, Forestry and Mines

Chair: Dr. **Edward F. Dwumfour**, Task Team Leader, World Bank Desk for the LAP Project

Rapporteur: Mr. **András Osskó**, Hungary, Chair Elect of FIG Commission 7

TS1.1 Dr. **Isaac Bonsu Karikari** (Ghana): Ghana's Land Administration Project (LAP) and Land Information Systems (LIS) Implementation: The Issues

TS1.2 Dr. **Mechthild Rüniger**, GTZ Programme Manager, Good Governance Programme Ghana: Governance, Land Rights and Access to Land in Ghana – A Development Perspective on Gender Equity

TS1.3 Mr. **Uzochukwu Okafor** (Namibia): Land Reform Policy and the Imperatives of Good Governance

TS1.4 Dr. **Shittu R. Akinola** (Nigeria): Land Use Decree, Forest Administration and Governance Crises in Nigeria

TS1.5 Dr. **Samuel Iyiola Oni** (Nigeria): Spatial Data Planning for Sustainable Land Administration and Good Governance in Africa: Case of Nigeria

TS 2 – Application of IT in Land Administration and SDI

Venue: Damba I

Commission: 3 and 7

Chair: Mr. **Gerhard Muggenhuber**, Austria, Chair of FIG Commission 3

Rapporteur: Mr. **John Ayer**, Lecturer, KNUST, Ghana

TS2.1 Mr. **Ibrahim Usman Jibril** (Nigeria) Computerization of the Cadastral and Land Registry: The Abuja Experience

TS2.2 Mr. **Augustus U. S. Didigwu** (Nigeria): The Consequences of Destroying Survey Beacons by the African Public – A Case Study of Nigeria

TS2.3 Dr. **Matthew N. Ono** and Dr. **Joel I. Igbokwe** (Nigeria): Realizing Rural Area Cadastre and Land Management in the Emerging Technology

TS2.4 Mr. **Konstantinos Daniilidis** (Greece): GIS Cadastre Applications without GIS Software

TS2.5 Mr. **Olof Olsson** and Mr. **Christos Papadopoulos** (Sweden): Employment of the User Interface 2000 for the Development of the New National Cadastral Index Map of Sweden – Some Experiences

TS2.6 Mr. **Mohamed Issa** (Egypt), Ms. **Sheila Holland** and Mr. **Anders Hedin** (Sweden): Namibia – Department of Survey and Mapping (DSM) Cadastral Information System

TS 3 – Issues on Urban Growth: Customary Title and Informal Settlements

Venue: Damba II

Commission: 8, 7 and 3

Chair: Mr. **Wafula Nabutola**, Kenya

Rapporteur: Dr. **Yaw Adarkwah Antwi**, National Facilitator, LAPU, Ghana

TS3.1 Ms. **Theodora Mantebea Mends** and **Johan de Meijere** (The Netherlands): A Study of the Institution of the Customary Land Tenure System in the Supply of Property Rights for Urban Development – An Example of Accra, Ghana

TS3.2 Dr. **Diane A. Dumashie** (United Kingdom): People and Places: The Importance of the Supply of Land in Delivering Affordable Housing in Informal Settlement

TS3.3 Dr. **Bioye Tajudeen Aluko** and Mr. **Abdul Amidu** (Nigeria): Urban Low – Income Settlements, Land Deregulation and Sustainable Development in Nigeria

TS3.4 Dr. **Chryssy Potsiou** and Prof. **Charalabos Ioannidis** (Greece): Informal Settlements in Greece: The Mystery of Missing Information and the Difficulty of Their Integration into a Legal Framework

TS3.5 Mr. **Wakuru Magigi** and Mr. **B. B. K. Majani** (Tanzania): Housing Themselves in Informal Settlements: A Challenge to Community Growth Processes, Land Vulnerability and Poverty Reduction in Tanzania

TS 4 – Professional Education in Africa

Venue: Kundum

Commission: 2

Chair: Dr. **E. Amamoo Otchere**, CERSGIS, Legon, Ghana

Rapporteur: Prof. **Stig Enemark**, Denmark, Vice President of FIG

TS4.1 Dr. **Peter C. Nwilo** and **Dennis A. Osanwuta** (Nigeria): Continuous Geoinformatics Curriculum Development for African Universities

TS4.2 Prof. **S. O. Asiamah** (Ghana): Professional Surveying Education at the KNUST

TS4.3 Mr. **Edward E. Duncan** (Ghana): The Promotion of Geomatic Engineering Education and Training at UmaT

TS4.4 Prof. **Olubodun Ayeni** (Nigeria): Curriculum Development in Geomatics Education: New Challenges of Digital Information Technology

TS4.5 Mr. **William Kalande** (Kenya): Land and Geospatial Administrators' Professional Training after War – A Case Study of Somalia

Workshop – AFREF I

Venue: Odwira

Commission: UN ECA, RECTAS and FIG Commission 5

Chair: Mr. **Jide Kufoniyi** (Nigeria), Executive Director, RECTAS

Rapporteur: Prof. **Rudolf Staiger** (Germany), Chair Elect, FIG Commission 5

WS1.1 Dr. **Ruth E. Neilan** (USA): The Global Geodetic Infrastructure – A Framework for AFREF

WS1.2 Mr. **Richard Wonnacott** (South Africa): The AFREF Project: Background, Rationale and Progress

WS1.3 Mr. **Eugene C. Onyeka** (Nigeria): Relating the Nigerian Reference Frame and AFREF

WS1.4 Dr. **Paula Santos** and Dr. **Nuno Lima** (Portugal) and Mr. **José Luis Quembo** (Mozambique): Adjustment of the Classical Terrestrial Geodetic Network of Mozambique Tied to ITRF

WS1.5 Mr. **Yaw Poku-Gyamfi** (Ghana) and Dr. **Günter W. Hein** (Germany): Framework for the Establishment of Nationwide Network for Global Navigation Satellite System (GNSS) Reference Stations – A Cost Effective Tool for Land Development in Ghana

Wednesday, 8 March 2006

15:00–15:30

Coffee/Cocoa Break

Venue: Damba III

Wednesday, 8 March 2006

15:30–17:00

TS 5 – Customary Rights in Africa

Venue: Adaye Kesie

Commission: 7 and Ministry of Lands, Forestry and Mines

Chair: Dr. **Paul van der Molen**, Chair of FIG Commission 7

Rapporteur: Mr. **Alhaji H. I. Baryen**, Executive Secretary, Lands Commission, Ghana

TS5.1 Dr. **Yaw Adarkwah Antwi** (Ghana): Strengthening Customary Land Administration: A DFID/World Bank Sponsored Project in Ghana

TS5.2 Chief **Kuumbu Naa Yiri II (Alhaji Idrisu Abu)** (Ghana): Customary Lands Administration and Good Governance in Ghana – The State and Traditional Rulers Interface

TS5.3 Dr. **Augustine Mulolwa** (Zambia): Demystifying Customary Tenure in Zambia

TS5.4 Eng. **Anthony Arko-Adjei** (Ghana): A Conceptual Approach for Enhancing Customary Land Management: Case from Ghana

TS5.5 Mr. **E. Amamoo-Otchere**, Mr. **F. K. Mensah** and Mr. **B. Akuetteh** (Ghana): Settlement Names and Cultural Identity Survey for Development of Multipurpose Geocoded Settlement Register and Database System for Ghana's Growth and Poverty Reduction Planning

TS5.6 Mr. **Tommy Österberg** (Sweden), Mr. **Mohamed Khadash** and Ms. **Kholoud Saad** (Egypt): Rwanda – Kigali City Council (KCC) Cadastral Information System

TS 6 – Spatial Data Applications

Venue: Damba I

Commission: 3 and 7

Chair: Dr. **Chryssy Potsiou**, Greece, Chair Elect of FIG Commission 3

Rapporteur: Dr. **Eric Forkuo**, KNUST, Ghana

TS6.1 Dr. **Albert J. Osei**, Dr. **Edmund C. Merem** and Dr. **Yaw A. Twumasi** (USA): Use of GIS and Remote Sensing Technology as a Decision Support Tool in Land Administration – The Case of Lagos, Nigeria

TS6.2 Mr. **Edward E. Duncan** (Ghana): A GPS/GIS Integration for Land Demarcation – A Case Study at Ngleshie Amanfro, a Suburb of Accra

TS6.3 Dr. **Collins Fosu** (Ghana) and Mr. **Francis W. Derby** (United States): Reconciling Cadastral Records in a Dual Land Registration System in Ghana

TS6.4 Dr. **Francis I. Okeke** (Nigeria): Mapping Impervious Surface Changes in Watersheds in Part of South Eastern Region of Nigeria Using Landsat Data

TS6.5 Mr. **Stephen Yao Fiatornu** (Ghana): GIS a Tool for Transportation Infrastructure Planning in Ghana – A Case Study to the Dept. of Feeder Roads

TS6.6 Mr. **Martin Mensa**, Mr. **Eli Sablah**, Mr. **Emmanuel Amamoo-Otchere** and Mr. **Foster K. Mensah** (Ghana): Digital Mapping and GIS-Driven Feeder Road Network Database Management System for Road Project Planning and Implementation Monitoring in the Feeder Road Sector

TS6.7 Mr. **Okyeame Ampadu**, Mr. **Emmanuel Amamoo-Otchere**, Mr. **Foster K. Mensah** and Mr. **David Kpelle** (Ghana): Space Mapping Technology in Support of the Project for Biodiversity Restoration of Degraded Cocoa Production Landscapes in West Africa

TS6.8 Mr. **S. K. Gyamfi**, Mr. **E. Amamoo-Otchere** and Mr. **F. K. Mensah** (Ghana): Capacity Building of the COCOBOD's CSSVD Unit for Digital Maps Management in Support of the Cocoa Swollen Shoot Viral Disease Control Management Program

TS 7 – Planning and Administration Applied to Disaster Management and Land Conflicts

Venue: Damba II

Commission: 8, 7 and 3

Chair: Brigadier **Chris Kpoodor**, NADMO Director, Ghana

Rapporteur: Mr. **Simon Adcock**, Australia, Chair Elect of FIG Commission 8

TS7.1 Mr. **Edward E. Duncan** (Ghana): A GIS Approach to Disaster Management – A Case Study of the Alajo in the Accra Metropolis

TS7.2 Dr. **Olufemi Adesokan Adeleye** and Dr. **Lasun Mykail Olayiwola** (Nigeria): Town Planning Instruments as a Strategy for Disaster Risk Reduction in Nigeria

TS7.3 Mr. **Wakuru Magigi**, Mr. **B. B. K. Majani**, Mr. **Washington Wolima**, Ms. **Grace Bantebya** and Mr. **Owiti Kakumu** (Tanzania): Public-Private Partnership in Land Use Planning and Conflict Management for Sustainable Development in Tanzania: Lessons from Ramadi Local Community Planning Practice in Lake Victoria Wetland Basin

TS7.4 Mr. **Albert A. Abegunde** (Nigeria): Culture and Land Administration in an Industrial Environment; the Residents' Perception – Case Study of Warri Region, Nigeria

TS7.5 Dr. **Abel Omoniyi Afon**, Mr. **Olajoke Abolade** and Mr. **Simon Ayorinde Okanlawon** (Nigeria): Users' Perception of Environmental Hazards and Risks as a Tool in Public Space Management: The Case of Selected Motor Parks in Lagos, Nigeria

TS7.6 Dr. **Babette Wehrmann** (Germany): Cadastre in Itself Won't Solve the Problem: The Role of Institutional Change and Psychological Motivations in Land Conflicts – Cases from Africa. This paper has not been presented in the conference.

TS 8 – Professional Education

Venue: Kundum

Commission: 2

Chair: Prof. **Ian Dowman**, President of ISPRS

Rapporteur: Mr. **Edwin Addo Tawiah**, Head, Photogrammetry Section, Survey Dept., Ghana

TS8.1 Mrs. **Naana Amakie Boakye-Agyeman** (Ghana): Polytechnic Education in Ghana: The Case of the HND Estate Management Programme

TS8.2 Mr. **J. C. Koos Landman** (South Africa): Designing a First Qualification in Land Administration in South Africa Using the Principles of Outcomes-Based Education

TS8.3 Prof. **Gheorghe Mugurel T. Radulescu** and **Corina Michaela Radulescu** (Romania): The Medium and Superior Level Professional Qualification of Topographers – The Romanian Experience

TS8.4 Mr. **Winston Ayeni** (Nigeria): Training of Technicians – The Kaduna Experience

Workshop – AFREF II

Venue: Odwira

Commission: UN ECA, RECTAS and FIG Commission 5

Chair: Mr. **Matt Higgins** (Australia), Chair of FIG Commission 5

Rapporteur: Mr. **Richard Wonnacott** (South Africa), AFREF

This will be a working session designed to help progress the work of the AFREF Steering Committee, especially in West Africa. It is open to all conference delegates. Items to be outlined and discussed include:

- General country presentations on existing and planned geodetic infrastructure, including classical geodetic networks and Continually Operating Reference Stations (CORS);
- Presentation on requirements for the establishment of CORS stations, including equipment, communication, site requirements, data handling, processing and distribution;
- Identification of possible CORS sites in West Africa to contribute to the AFREF infrastructure;
- Discussion on the possibility of an official declaration from the workshop, especially covering the West African issues for the AFREF project.

Wednesday, 8 March 2006

19:00-

Welcome Reception

Venue: La Palm Hotel

Thursday, 9 March 2006

08:30-10:00

Plenary Session 2 – Capacity Building in Africa

Venue: Adaye Kesie

Chair: Prof. **Holger Magel**, President of FIG

Rapporteur: Dr. **B. E. K. Prah**, President of GhIS

PS2.1 Prof. **Stig Enemark**, Vice President of FIG (Denmark): Capacity Building for Institutional Development in Surveying and Land Management

PS2.2 Dr. **Ian Dowman**, President of ISPRS, University College London, Chair of Joint Board for Geoinformation Societies Ad Hoc Committee on Capacity Building for Africa, (United Kingdom): Capacity Building for Efficient Use of Geospatial Information

PS2.3 Captain **Hugo M. Gorziglia**, Director of IHO (Chile): The IHO Capacity Building Efforts in the Region

Thursday, 9 March 2006

09:00–17:00

Exhibition

Venue: Damba III

Thursday, 9 March 2006

10:00-10:30

Coffee/Cocoa Break

Venue: Damba III

Thursday, 9 March 2006

10:30–12:00

TS 9 – Need for Institutional Change and Land Administration

Venue: Adaye Kesie

Commission: 7

Chair: Mr. **Christiaan Lemmen**, The Netherlands

Rapporteur: Mr. **Kwame Gyan**, LAP Secretariat, Ghana

TS9.1 Mr. **András Osskó** (Hungary): Questions on Sustainable Land Administration

TS9.2 Prof. **Paul van der Molen** (The Netherlands): Unconventional Approaches to Land Administration; The Need for an International Research Agenda

TS9.3 Mr. **Tommy Österberg** (Sweden): Experiences of Cadastral Development in Southern and Eastern Africa

TS9.4 Dr. **Edward J. W. Chikhwenda** (Malawi): Analysis of Land Access and Its Impact on the Urban Poor – The Case of Blantyre City

TS9.5 Ms. **Beatrice Duncan** (Ghana): Gender and Land Reform: A Case Study of Ghana

TS9.6 Dr. **Bioye Tajudeen Aluko** and Mr. **Abdul-Rasheed Amidu** (Nigeria): Women and Land Rights Reforms in Nigeria

TS 10 – Planning and Development in Governance: Urban and Rural Environments

Venue: Damba I

Commission: 8, 7 and 9

Chair: Dr. **Diane Dumashie**, United Kingdom, Chair of Commission 8

Rapporteur: Mr. **Edward T. Karbo**, Director, Town & Country Planning, Ghana

TS10.1 Mr. **David Parsons** (United Kingdom): The Quadrant – The Ownership, Management and Design of Property Schemes to Promote Sustainable Development

TS10.2 Mr. **Frank Friesecke** (Germany): Revitalization of Urban Areas through Business Improvement Districts (BIDs) – Trends and Expectations for Shrinking Cities

TS10.3 Mr. **Emmanuel A. Otoo**, Dr. **Duncan J. Whyatt** and Dr. **Uwem E. Ite** (United Kingdom): Quantifying Urban Growth in Accra Metropolitan Area (Ama), Ghana and Exploring Causal Mechanisms

TS10.4 Mr. **Wafula Nabutola** (Kenya): Financing Urban Infrastructure Development and Maintenance with Particular Reference to Nairobi

TS10.5 Mr. **Robert N. Wayumba** and Mr. **Jasper N. Mwenda** (Kenya): The Impact of Changing Land Tenure and Land Use on Wildlife Migration within Group Ranches in Kenya: A Case Study of the Amboseli Ecosystem

TS 11 – Land Management Using GNSS and GIS

Venue: Damba II

Commission: 5 and 3

Chair: Mr. **Hartmut Müller** (Germany)

Rapporteur: Mr. **Robert Sarib** (Australia)

TS11.1 Mr. **Sean Wiid** (South Africa) and Dr. **Mike Barry** (Canada): Combining Soft Systems Methodology and the Process Outcomes Model for the Evaluation of Location Based Services in South Africa

TS11.2 Mr. **Collins Fosu** and Mr. **Yaw Poku-Gyamfi** (Ghana) and Dr. **Günter W. Hein** (Germany): Global Navigation Satellite System (GNSS) – A Utility for Sustainable Development in Africa

TS11.3 Mr. **Sylvester Gabianu** and Mr. **Herbert Djaba** (Ghana) and Ms. **Magdalena Andersson** (Sweden): Urban Management Land Information System in Ghana

TS11.4 Mr. **Joseph Yeng Faalong**, Mr. **Mawuli Agboka**, Mr. **E. Amamoo-Otchere** and Mr. **B. Akuetteh** (Ghana): Capacity Building in Digital Mapping and GIS for Boosting the Agricultural Sector: Development of GIS-driven Horticulture Produce Information System for Managing the Export Sector

TS11.5 Dr. **Liang Yong**, Mr. **Lin Xiang-guo Lin** and Mr. **Zhang Cheng-ming** (China P. R.): Study on Digital Water Conservancy Based on 3S Technology

TS11.6 Mr. **Joseph Owusu**, Mr. **Francis Afukaar** and Mr. **B. E. K. Prah** (Ghana): Towards Improving Road Traffic Data Collection: The Use of GPS/GIS

TS11.7 Mr. **Yaqin Wang**, Mr. **Hua Gao**, Mr. **Huaxue Tao**, Dr. **Yong Liang** and Mr. **Pingju Ge** (China P. R.): Research on the Framework System and Technical Platform of Digital Agriculture

TS 12 – Land Administration Issues in Africa

This session will be in French

Venue: Kundum

Commission: Joint with FGF (Fédération des Géomètres Francophones)

Chair: M. **Alain Gaudet**, President of FGF

Rapporteur: Dr. **Ralf Schroth**, Germany, Vice President of FIG

TS12.1 M. **Jacques Gastaldi** (France): Politiques Foncières et le Cadastre Rural

TS12.2 M. **Roch Abdon Bah** (Benin): L'immatriculation collective, le Registre Foncier Urbain et le Plan Foncier Rural: Expériences Béninoises et la généralisation du cadastre

TS12.3 M. **Alain Bagré** (Burkina Faso): Customary and Modern Laws and the Surveyor's Role in Burkina Faso

TS12.4 M. **Henri Njomgang** (Cameroun): Enjeux et perspectives d'une réforme foncière au Cameroun

TS12.5 M. **Séraphin Matshitshi** (Democratic Republic of the Congo): Presentation de la Problématique du Foncier de la R. D. Congo

TS12.6 M. **Sani Moussa Loutou** (Niger): Immatriculation du Foncier Rural au Niger

TS12.7 **N. N.** (Madagascar): Land Administration Reform in Madagascar

TS 13 – Mine Issues

Venue: Odwira

Commission: ISM and Commission 3

Chair: Mr. **Svend Kold Johansen**, Denmark, Chair of FIG Commission 6

Rapporteur: Mr. **Joseph Moses**, Ghirano Mines, Ghana

TS13.1 Prof. **Yu Changxing**, Deputy President of ISM (China, P. R.): About the Sustained Development of Mine Cities and Districts

TS13.2 Mr. **Bill Feast**, Mr. **Jonathan Davids** and Mr. **Toby Mills** (South Africa) and Mr. **Paul DeVries** (Sweden): Mining Cadastre in Africa – Lessons Learnt

TS13.3 Prof. **Lu Xinming** and Mr. **Yin Hong** (China P. R.): A Practical Project of Digital Mine

TS13.4 Mr. **Shi Shaoxian** (China P. R.): About the Research of Fire-Gas Piping Information Administration System of Mine Cities

TS13.5 Prof. **Song Weidong** and Mr. **Yang Lun** (China P. R.): Research on the Principle and Methodology of Open Pit Dumping Area Ecological Restoration and Rebuilding

Thursday, 9 March 2006

12:00–13:30

Lunch

Venue: La Palm Hotel

Thursday, 9 March 2006

13:30–15:00

TS 14 – Innovations in Land Administration Processes

Venue: Adaye Kesie

Commission: 7

Chair: Dr. **Augustine Mulolwa** (Zambia)

Rapporteur: Mrs. **Rebecca Sittie**, Ag. Chief Registrar of Lands, Land Title Registry, Ghana

TS14.1 Dr. **Mike Barry** (Canada): Talking Titler Multimedia Land Management System

TS14.2 Dr. **Bob Arnot** (Nigeria) and Mr. **John Meadows** (United Kingdom): Reforming the Land Registration Process in Nigeria

TS14.3 Dr. **Peter Kuntu-Mensah** (USA): On the Implementation of Land Title Registration in Ghana

TS14.4 Mr. **Sohail El Abd** and Ms. **Kholoud Saad** (Egypt): Egyptian Survey Authority Geographic Information Management System (ESA GIM)

TS14.5 Mr. **Mohamed Khadash** (Egypt), Ms. **Sheila Holland** and Mr. **Anders Hedin** (Sweden): Botswana – Department of Survey and Mapping (DSM) Cadastral Information System

TS14.6 Ms. **Veronica Ebot Manga** (Cameroon): The Process of Land Registration in Cameroon – Practice, Problems and Perspectives

TS 15 – Geodetic and GNSS Developments

Venue: Damba I

Commission: 5

Chair: Prof. **Rudolf Staiger** (Germany), Chair Elect, FIG Commission 5

Rapporteur: Mr. **Robert Sarib** (Australia)

TS15.1 Mr. **Matt Higgins**, Dr. **Chris Rizos** and Mr. **Steve Hewitson** (Australia): Next Generation Global Navigation Satellite Systems

TS15.2 Prof. **Adam Łyszkowicz** and Prof. **Jan Krynski** (Poland): Regional Quasi-Geoid Determination in the Area of Poland

TS15.3 Mr. **Qudus O. Taiwo** and Mr. **C. O. Adeofun** (Nigeria): Accuracy Assessment of Digital Terrain Model Data: A Cost Effective and Analytical Approach

TS15.4 Mr. **Mehdi Eshagh** (Islamic Republic of Iran): Bi-Objective Model of Precision and Reliability in Geodetic Network Optimization

TS15.5 Dr. **Hansbert Heister** (Germany): Standards for Checking GNSS Surveying Systems –The Actual Status. This paper has not been presented in the conference.

TS 16 – Marine and Coastal Zone Management – Environmental Planning Issues

Venue: Damba II

Commission: 4 and 8

Chair: Mr. **Simon Adcock** (Australia)

Rapporteur: Mr. **Adam Greenland** (United Kingdom/New Zealand), Chair of Commission 4

TS16.1 Dr. **Michael Sutherland** (Canada): Environmental Management of Marine and Coastal Spaces: Lessons from a Canadian Aquaculture Case Study

TS16.2 Mr. **David Neale** (Trinidad and Tobago): Marine Administration in Small Island Developing States (SIDS)

TS16.3 Mr. **Teo Cheehai** and Mr. **Ahmad Fauzi Nordin** (Malaysia): A National Geocentric Datum and the Administration of Marine Spaces in Malaysia

TS16.4 Mr. **Isaac Boateng** (United Kingdom): Shoreline Management Planning: Can it Benefit Ghana? A Case Study of UK SMPs and Their Potential Relevance in Ghana

TS16.5 Mr. **J. A. Allotey**, Mr. **D. S. Amlalo**, Mr. **G. M. Biekro**, Mr. **E. Amamoo-Otchere** and Mr. **B. Akuette** (Ghana): Aerospace and GIS Technology for Addressing Multi-institutional Coastal Environment Monitoring: The Way forward in Ghana and the West African Sub-region

TS16.6 Prof. **Fatai Egberongbe**, Dr. **Peter Nwilo** and Mr. **Olusegun Badejo** (Nigeria): Oil Spill Disaster Monitoring Along Nigerian Coastline

Workshop – Education in Africa I

Venue: Kundum

Commission: 2 and Joint Board of Geospatial Information Societies (JB-GIS)

Chair: Prof. **Stig Enemark**, Denmark, Vice President of FIG

Rapporteur: Mr. **Christiaan Lemmen**, The Netherlands and Mr. **Julius Kramba**, Past President of GhIS, Ghana

WS2.1 Dr. **B. E. Kesi Prah**, President of GhIS and KNUST (Ghana): Education in Ghana and Western Africa

WS2.2 Dr. **Peter C. Nwilo** (Nigeria): Education in Nigeria and Aspects on Surveying Education Situation in Central Africa

WS2.3 Mr. **Alain Bagré** (Burkina Faso): Surveying Education in Sub-Saharan Francophone Africa

TS 17 – Mine Issues – Ecological and Environmental Issues

Venue: Odwira

Commission: ISM and Commission 3

Chair: Prof. **Xu Changxing**, China, P. R., Deputy President of ISM

Rapporteur: Mr. **Edward E. Duncan**, University Mines and Technology, Ghana

TS17.1 Mr. **Richard K. Afenu**, Mr. **Philip Y. O. Amoako**, Mr. **Benjamin Aryee**, Mr. **Peter Awuah**, Dr. **Andreas Barth**, Mr. **Andre Barth**, Mr. **Thomas Berndt**, Mr. **Kwame O. Boamah** and Dr. **Frank Schmidt** (Ghana and Germany): Planning and Implementation of the Information Management System of the Mining Sector of Ghana

TS17.2 Mr. **Ken Allen** (Ghana): Open Pit Mine Scheduling – A Case Study at Bogoso Gold Limited

TS17.3 Prof. **Shi Jinfeng**, Mr. **Wang Jiren** and Mr. **Wang Leigui** (China P. R.): Develop a Mine and Geology Park – The Best Choice for Large Open Mine When Completion

TS17.4 Mr. **Xu Aigong** (China P. R.): Ecological and Environmental Influences in the Construction of West Gas Supplying to East Project in China

Thursday, 9 March 2006

15:00–15:30

Coffee/Cocoa Break

Venue: Damba III

Thursday, 9 March 2006

15:30–17:00

TS 18 – Making Land Administration Pro Poor

Venue: Aday Kefie

Commission: 7 and 8

Chair: Dr. **Diane Dumashie**, United Kingdom, Chair of Commission 8

Rapporteur: Mr. **Thomas Ansre**, LAPU, Ghana

TS18.1 Mr. **Ibrahim Usman Jibril** (Nigeria): Resettlement Issues, Squatter Settlements and the Problems of Land Administration in Abuja, Nigeria's Federal Capital

TS18.2 Ms. **Sarah A. Kyessi** and Dr. **Alphonse G. Kyessi** (Tanzania): Formalisation of Land Property in Informal Settlements: Case of Dar es Salaam, Tanzania

TS18.3 Dr. **Lasun Mykail Olayiwola** and Mr. **Olufemi Adeleye** (Nigeria): Land Reform – Experience from Nigeria

TS18.4 Ir. **Paul C. M. van Asperen** (The Netherlands) and Dr. **Augustine Mulolwa** (Zambia): Improvement of Customary Tenure Security as Pro Poor Tool for Land Development – A Zambian Case Study

TS18.5 Mr. **Paul Chege** (Kenya): Participatory Urban Planning and Partnerships Building: Supporting Provision of Access to Basic Services for the Urban Poor: A Case Study Based on Practical Action's (ITDG) Experiences in Kitale, A Secondary Town in Kenya

TS18.6 Mr. **Emmanuel Offei Akrofi** (Ghana): Urbanisation and the Urban Poor in Africa

TS 19 – Positioning and Measurement in Practice

Venue: Damba I

Commission: 5 and 6

Chair: Prof. **Rudolf Staiger** (Germany), Chair Elect, FIG Commission 5

Rapporteur: Mr. **Svend Kold Johansen**, Denmark, Chair of FIG Commission 6

TS19.1 Dr. **Ivo Milev** and Prof. **Lothar Gruendig** (Germany): Geometrical Approximation and Segmentation of Laser Scanning Point Clouds

TS19.2 Dr. **Francis I Okeke** (Nigeria): InSAR Operational and Processing Steps for DEM Generation

TS19.3 Mr. **Warwick Hadley** (Canada): Airborne Laser Remote Sensing Technology: Providing Essential Hydrologic Information in the 21st Century

TS19.4 Prof. **Adam Łyszkowicz** and Mr. **Marcin Leonczyk** (Poland): The Fourth Precise Levelling Campaign of Poland in 1999–2003

TS19.5 Mr. **L. G. (Jake) Jenkins** (Canada): Key Drivers in Determining Lidar Sensor Selection

TS19.6 Dr. **Quanyuan Wu** (China P. R.): The Study of the Characteristic Dynamic Changes of Yantai's Landscape on the Basis of the Remote Sensing Technology

TS 20 – Hydrography

Venue: Damba II

Commission: 4

Chair: Mr. **Adam Greenland**, United Kingdom/New Zealand, Chair of Commission 4

Rapporteur: Mr. **David Neale**, Trinidad and Tobago

TS20.1 Captain **Dominique Baggio**, SHOM (France): Assessment and Future Prospects for Hydrography in Western and Central Africa Maritime Safety and Coastal Global Development.

TS20.2 Mr. **George Owusu-Ansah**, Port Hydrographic Surveyor (Ghana) : Hydrographic Surveying in Ghanaian Perspective

TS20.3 Mr. **Issaka Peter Azuma**, Director General Ghana Maritime Authority (Ghana): Hydrographic and Water Management in Ghana

TS20.4 Mr. **Innocent N. Egbuh** (Nigeria): Charting Nigerian Waters for Safer Navigation

Workshop – Education in Africa II

Venue: Kundum

Commission: 2 and JB GIS

Chair: Prof. **Stig Enemark**, Denmark, Vice President of FIG

Rapporteur: Mr. **Christiaan Lemmen**, The Netherlands and Mr. **Julius Kramba**, Past President of GhIS, Ghana

TS 21 – Professional Practice – Enhancing Professionalism

Venue: Odwira

Commission: 1

Chair: Ms. **Leonie Newnham**, Australia

Rapporteur: Mr. **Dietmar Sperling**, Germany

TS21.1 Mr. **Iain Greenway** (Ireland): Business Practices for Surveyors

TS21.2 Mr. **Francis Chigiinge** (Botswana): The Balance between Data Quality and User's Information Needs – Thinking Strategically for Rational Decision-Making

TS21.3 Mr. **G. K. (Ken) Allred** (Canada): Marketing the Profession – Some Strategies that Work

TS21.4 Mr. **Charles Cowap** (United Kingdom): Scenario Planning for the Development of Rural Professional Service

Thursday, 9 March 2006

17:15–18:15

ISPRS Open Meeting

Venue: Odwira

Commission: ISPRS

Thursday, 9 March 2006

19:00–

Ghanaian Evening

Venue: Coconut Grove Hotel

Friday, 10 March 2006

08:30–10:00

Plenary Session 3 – New Cadastral Domains

Venue: Adaye Kesie

Chair: Prof. **Paul van der Molen**, The Netherlands, Chair of FIG Commission 7

Rapporteur: Mr. **Samuel Larbi**, Director, Sibus Ltd., Ghana

PS3.1 Dr. **Clarissa Augustinus** Chief, Land and Tenure Section, UN-Habitat: Cadastral Domain Model

PS3.2 Mr. **Christiaan Lemmen** (The Netherlands): The Core Cadastral Domain Model: Focus on Non-Statutory Systems

PS3.3 Mr. **Iain Greenway** (Ireland): Why Standardise?

Friday, 10 March 2006

09:00–12:00

Exhibition

Venue: Damba III

Friday, 10 March 2006

10:00-10:30

Coffee/Cocoa Break

Venue: Damba III

Friday, 10 March 2006

10:30–12:00

TS 22 – e-Governance – Management of SDI

Venue: Adaye Kesie

Commission: 3

Chair: Mr. **Gerhard Muggenhuber**, Austria, Chair of Commission 3

Rapporteur: Dr. **Collins Fosu**, Head, Geodetic Dept., KNUST, Ghana

TS22.1 Dr. **Harmut Müller** (Germany): Promoting Land Administration and Good Governance by SDI – The European Way

TS22.2 Mr. **Anthony A. Adeoye** (Nigeria): Abuja Geographic Information Systems (AGIS) as a Tool for Good Governance in Nigeria

TS22.3 Mr. **Andreas Barth** (Germany): Nationwide Collection, Recording and Provision of Geo-scientific Data: Examples from Ghana, Namibia, Germany and Kosovo – An Experience Report

TS22.4 Mr. **Bo Lauri** (Sweden): Land and Geographic Information, an Important Part of the Infrastructure in Sweden

TS22.5 Mr. **Brent A. Jones** (USA): The Use of GIS for Surveyors and Engineers in Developing Nations for Building Infrastructure

TS22.6 Dr. **Peter Kuntu-Mensah** (USA): Geographic Information Systems: Indispensable Ingredient for Good Governance in Ghana

TS22.7 Ms. **Polly W. Gitimu** (Kenya): The Challenges Faced in Establishing a Geo-Spatial Data Infrastructure – GSDI Kenya’s Experience

TS 23 – Planning Urban Space

Venue: Damba I

Commission: 8 and 3

Chair: Mr. **Joe Appenteng**, Dep. Director, Town & Country Planning, Ghana

Rapporteur: Dr. **Chryssy Potsiou**, Greece, Chair Elect of FIG Commission 3

TS23.1 Dr. **Joel I. Igbokwe** (Nigeria): Mapping and Spatial Characterisation of Major Urban Centres in Parts of South Eastern Nigeria with Nigeriasat-1 Imagery

TS23.2 Dr. **Andrew Manu**, Dr. **Yaw A. Twumasi** and Mr. **Tommy L. Coleman** (USA): Is It the Result of Global Warming or Urbanization? The Rise in Air Temperature in Two Cities in Ghana

TS23.3 Dr. **Yaw A. Twumasi**, Dr. **Andrew Manu**, Dr. **Tommy L. Coleman** and Dr. **Albert J. Osei** (USA): Role of Geo-spatial Information Management as a Decision Support Tool in Land Use Planning: A Case of Ghana

TS23.4 Prof. **N. N. N. Nsowah-Nuamah**, Mr. **E. Amamoo-Otchere**, Mr. **F. K. Mensah** and Mr. **B. Akuetteh** (Ghana): GIS-Conversion of the Population and Housing Census Data and Harmonization with Other Government Databases for Use by Planning and Development Agencies

TS23.5 Mr. **Boualem Chorfa**, Mr. **Larbi Benmohamed** and Mr. **Nadir Allal** (Algeria): Assistance System to the Issuance of Urbanism Authorizations – ASIUA: Application to the Arzew City

TS23.6 Dr. **Edward Fekpe** (USA): Spatial Data Quality and Transportation Applications

TS 24 – Valuation and Quantity Surveying Aspects from Africa

Venue: Damba II

Commission: 9 and 10

Chair: Mr. **Stephen Yip**, Hong Kong SAR, China, Chair of FIG Commission 9

Rapporteur: Mr. **Charles Sagoe**, Past President of GhIS, Ghana

TS24.1 Ms. **Theodora M. Mends** (Ghana): Property Valuation in Ghana: Constraints and Contradictions

TS24.2 Mr. **Frank Gyemfi-Yeboah** and Mr. **Jonathan Ayitey** (Ghana): Assessing Depreciation for Valuation Purposes – A Decompositional Approach

TS24.3 Mr. **Anthony Gambrah** (Ghana): The Valuation Profession – Bridging the Gap between Theory and Practice in Ghana

TS24.4 Mr. **Jonathan Ayitey**, Mr. **Frank Gyemfi-Yeboah** and Mr. **Anthony Gambrah** (Ghana): Value Inventors or Assessors?

TS24.5 Dr. **Lasun Mykail Olayiwola**, Mr **Olufemi A. Adeleye** and Mr. **Adeleke Oduwaye** (Nigeria): Spatial Variation of Residential Land Value Determinants in Lagos, Nigeria

TS24.6 Prof. **Olubodun O. Ayeni** and Mr. **Oluwaseun S. Adewale** (Nigeria): Evaluation of Tenement Rate Administration Using the GIS Tools

TS24.7 Mr. **Simon Adcock** (Australia): Land Administration of Contaminated Sites – Considering Alternative Uses

Workshop – Cadastral Domain Model

Venue: Kundum

Commission: 7 and UN-Habitat

Chair: Prof. **Paul van der Molen**, The Netherlands, Chair of FIG Commission 7

Rapporteur: Mr. **Christiaan Lemmen**, The Netherlands and Dr. Mrs. **Matilda Fiadzigbey**, Administrator of Stool Lands, Ghana

TS 25 – Improving Professional Practice and Education

Venue: Odwira

Commission: 1 and 2

Chair: Mr. **Amoah Mensah**, Snr Vice President of GhIS, Ghana

Rapporteur: Mr. **Dietmar Sperling**, Germany

TS25.1 Mr. **G. K. (Ken) Allred** (Canada): The Professional Association and Its Role in Protecting the Public Interest in a Developing Nation

TS25.2 Ms. **Leonie Newnham** (Australia): Innovation within Various Components of the Land Management Paradigm, What Creates Success?

TS25.3 Mr. **Teo CheeHai** (Malaysia): Implementing Mutual Recognition of Surveying Qualification in ASEAN

TS25.4 Mr. **Jones Ofori-Boadu** (Ghana): Standards in Ghana

Friday, 10 March 2006

12:00

Coffee/Cocoa

Friday, 10 March 2006

12:00–13:30

Closing Ceremony and Opening of the GhIS Annual General Meeting

Venue: Adae Kesié

Chair: Hon. **Felix O. Adjapong**, Minister of Parliamentary Affairs, Ghana and

Hon. **Theresa Amarley Tagoe**, Dep. Minister of Lands, Forestry & Mines

Rapporteur: Ms. **Yvonne Sowah**, GhIS, GP Chairperson, Ghana

Univ.-Prof. Dr.-Ing. **Holger Magel**, President of FIG: Summary of the Conference and Conference Recommendations

Dr. **B. E. Kesi Prah**, President of GhIS: Presidential Address and Opening of the GhIS Annual General Meeting

Univ.-Prof. Dr.-Ing. **Holger Magel**, President of FIG: Closing of the Conference

Friday, 10 March 2006

14:00–17:00

GhIS Annual General Meeting

Venue: Adae Kesié

Friday, 10 March 2006

15:00–17:30

Technical Tour to LAP

Saturday, 11 March 2006

07:00–18:00

Technical Tour to Cape Coast

Additional Meetings

FIG Working Group 4.3 – Administrating Marine Spaces

Wednesday 13:30-15:00 and 15:30-17:00 and

Thursday 10:30-12:00

Venue: To be confirmed.