

FIG Commission 4

FIG2014 Kuala Lumpur, Malaysia

2011-2014

Report to FIG General Assembly

Dr. Michael Sutherland, MRICS (Canada and Trinidad & Tobago)
Chair, Commission 4, FIG
Deputy Dean (Undergraduate Students), Faculty of Engineering
Department of Geomatics Engineering and Land Management
University of the West Indies
St. Augustine, TRINIDAD & TOBAGO

FIG Commission 4



- **Over 60 Delegates, Correspondents and Academic Members**
- **Representation from over 50 countries**
- **Terms of Reference**
 - **Hydrographic Surveying**
 - **Hydrographic Education**
 - **Marine Environment and Coastal Zone Management**
 - **Data Processing and management**
 - **Nautical Charting and Bathymetric Mapping**

Commission 4

Communications and Publications

Official FIG Websites:

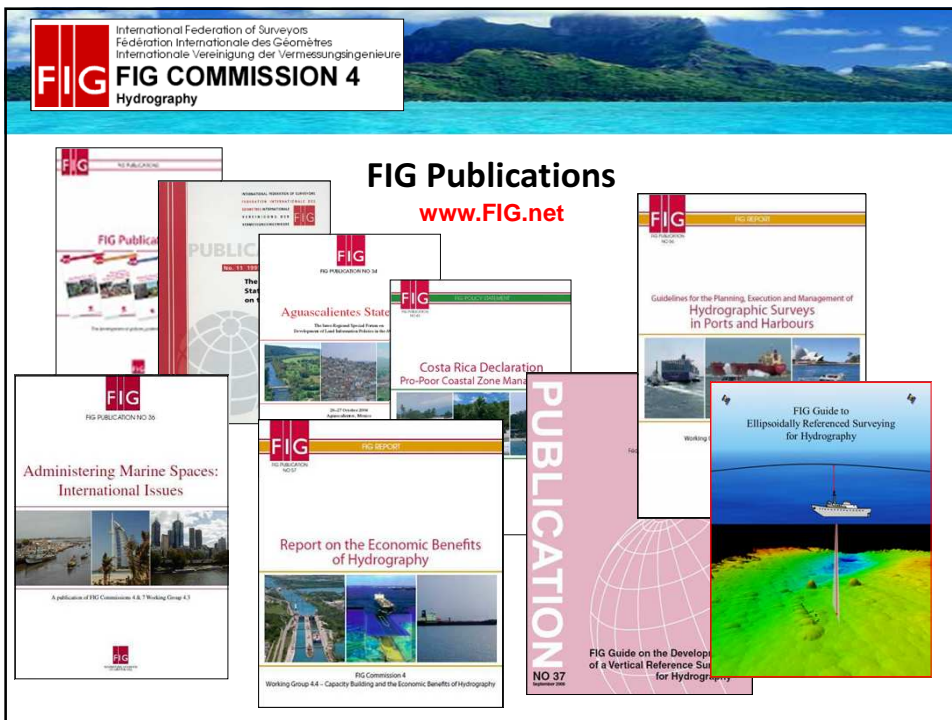
- <http://www.fig.net/commission4/index.htm>
- <http://www.fig.net/commission4/reports/reports.htm>
- <http://www.fig.net/commission4/newsletters/newsletters.htm>
- <http://www.fig.net/commission4/Publications/publications.htm>

- A newsletter is periodically published in *Hydro International* and is distributed free of charge to Commission 4 delegates

- News from the Commission have been published in the *Hydrographic Journal*, *Geomatica*, *Geomatics World* and *Lighthouse*.

FIG Publications


www.FIG.net





Commission 4 Officers 2011-2014



- **Administration and Communications:** Gordon Johnston, MRICS (UK)
- **Working Group 4.1 – Ellipsoidally Referenced Hydrographic Surveys:** Jerry Mills (USA)
- **Working Group 4.2 – Standards and Guidelines:** Andrew Leyzack (Canada)
- **Working Group 4.3 – Optimizing Multi-Sensor Systems for Hydrographic Applications:** Prof. Dr. Volker Böder (Germany) – Deceased 
- **Working Group 4.4 – Maritime and Marine Spatial Information Management:** Dr. Jonathan Li (Canada)
- **Working Group 4.5 – Hydrography in Africa:** Angela Euonovbe (Nigeria), Commission 4 Chair-Elect



Colleagues Lost



Working Group 4.3 – Optimizing Multi-Sensor Systems for Hydrographic Applications: Prof. Dr. Volker Böder (Germany). Died Tragically on Friday, 31st August, 2012.



In June 2011, **Dr. David Neale**, former Commission 4 Vice-Chair Administration and Communication, and former Commission 4 representative on IBSC, lost his battle with cancer. The hydrographic community lost a stalwart. Subsequently Dr. Neale was replaced by Dr. Keith Miller as the 4th FIG member on the Board. Keith is from the Department of Geomatics Engineering and Land Management, University of the West Indies, St. Augustine, Trinidad and Tobago.





International Federation of Surveyors
Fédération Internationale des Géomètres
Internationale Vereinigung der Vermessungsingenieure

FIG COMMISSION 4
Hydrography



ACTIVITIES OF THE CHAIR

- Organizing sessions at :
 - FIG2012 (Rome, Italy) and the 8th FIG Regional Conference in Montevideo, Uruguay;
 - FIG2013 (Abuja, Nigeria);
 - FIG2014 (Kuala Lumpur, Malaysia).
- Writes regular newsletter in a number of journals and magazines.





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ACTIVITIES OF THE CHAIR

Represented the interests of Commission 4:

- 2013: "FIG Commission 4 and Hydro supported Development". Special invited presentation, **Joint International Federation of Surveyors – International Hydrographic Organization conference on the "Blue Economy"**, 9th April, Southampton, England [organized by Commission 4 Vice-Chair Administration and Communication, Mr. Gordon Johnston].
- 2013: Participant, **Joint IHO-FIG-IMO-IOC Strategic Capacity Building meeting**, Monaco, November 20-21.
- 2012: "Boundaries and Governance in Coastal and Marine Spaces". Special invited presentation, **European Union Permanent Committee on Cadastre (PCC), Cyprus**, November 29-30.
- 2012: "Spatially Enabled Governance". Special invited presentation, **UNRCC-PCGIAP International Symposium on Spatially Enabled Government and Society**, Kuala Lumpur, Malaysia, February 15-16.
- 2011: "Hydrography and National Development". Special invited presentation (Guest Speaker) at the **Nigerian Hydrography Awareness Day, Lokoja, Nigeria**, October 25-26 [organized by Working Group 4.5 Hydrography in Africa Chair, and Commission 4 Chair-Elect, Ms. Angela Etuonovbe].
- 2011: "Implementing a Marine Cadastre (or other similar marine information systems)". Special invited paper for presentation at the Plenary Session of the **11th South East Asian Survey Congress**, Kuala Lumpur, Malaysia, June 22-24.



- **Vice-Chair, Administration and Communications:** Gordon Johnston, MRICS (UK)
- Continues work with FIG/IHO/ICA International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers (IBSC)
- Joint IHO-FIG-IMO-IOC Strategic Capacity Building meetings
- Jointly with IHO organized the “Blue Economy” conference, 9th April 2013 at the National Oceanographic Centre (NOC) Southampton, England.

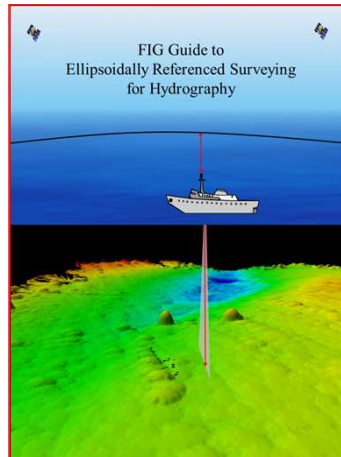


Mr. Gordon Johnston, Vice-Chair (Administration and Communication), Commission 4 addressing attendees at the Joint FIG-IHO One-Day Strategic seminar on the "Blue Economy", Southampton, UK (2013)



- **Working Group 4.1 – Ellipsoidally Referenced Hydrographic Surveys:** Jerry Mills (USA)

Despite being retired!!





Working Group 4.4 – Maritime and Marine Spatial Information Management: Dr. Jonathan Li (Canada)

Involved in Organizing Many Conferences / Publications (sample):

- **2011:** Yang X, Li J (eds), 2011. Earth Observations and Remote Sensing for Environmental Management and Hazard Mitigation, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (IEEE: SCI)...
- **2012:** Conference Chair, International Conference on Computer Vision in Remote Sensing, 16-18 December 2012, Xiamen, China **[many more]**
- **2013:** Chair, Scientific Committee, 4th International Conference on Earth Observation of Global Change (EOGC2013), 5-7 June 2013, Toronto, Ontario, Canada **[many more]**
- **2014:** Li, J. and X. Yang (eds), 2014. Monitoring and Modeling of Global Change: A Geomatics Perspective, Springer ...



Working Group 4.5 – Hydrography in Africa: Angela Euronovbe (Nigeria), Commission 4 Chair-Elect

Continues to be involved with FIG Africa Task Force.



*Workshop on Hydrography Awareness,
Lokoja, Nigeria (2011)*

OVERVIEW OF ACHIEVEMENTS, 2011-2014

- **WORKSHOPS ORGANIZED BY COMMISSION 4**
 - 2011: Workshop on Hydrography Awareness, Lokoja, Nigeria
 - 2013: Joint International Federation of Surveyors – International Hydrographic Organization conference on the “Blue Economy”, Southampton, England
 - Involvement in organizing other conferences or workshops
- **BOARDS, COMMITTEES AND LIAISONS**
 - FIG/IHO/ICA International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers (IBSC)
 - Joint IHO-FIG-IMO-IOC Strategic Capacity Building meetings
 - Liaison with International Hydrographic Organization
 - European Union Permanent Committee on Cadastre
- **PUBLICATIONS**
 - FIG Guide to Ellipsoidally Referenced Surveying for Hydrography
 - Newsletters and special articles (Hydro International; Geomatica; Lighthouse etc.)
 - Many other publications by members at conferences, workshops etc.


[SEE WRITTEN REPORT TO THE GENERAL ASSEMBLY FOR MORE DETAILS](#)

MANY THANKS TO:

COMMISSION 4 WORKING GROUP CHAIRS AND MEMBERS


SISTER ORGANIZATIONS

ADMINISTRATION OF THE INTERNATIONAL FEDERATION OF SURVEYORS




International Federation of Surveyors
Fédération Internationale des Géomètres
Internationale Vereinigung der Vermessungsingenieure

FIG **FIG COMMISSION 4**
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Angela Euonovbe (Nigeria), Commission 4 Chair-Elect
2015-2018



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