

Authors

Issues in the Governance of Marine Spaces

MICHAEL SUTHERLAND

Dr. Michael Sutherland is a graduate in land information management from the Department of Geodesy and Geomatics Engineering, University of New Brunswick, Canada. He is currently engaged in marine environment-related research activities at the School of Management, University of Ottawa and Department of Oceanography, Dalhousie University, Canada. He lectures part-time at Ryerson University, Canada. Michael is a member of the Canadian Institute of Geomatics, and is Chair of the International Federation of Surveyor's Working Group 4.3, Commission 4 (hydrography, coastal zone management, ocean governance, and marine cadastre).

Michael Sutherland, Ph.D.
School of Management
Vanier Hall, Box 141
University of Ottawa
136 Jean-Jacques Lussier Privée
Ottawa, Ontario, K1N 6N5
Tel. + 1 (613) 562-5800 ext. 4920
Email: michael.d.sutherland@unb.ca

SUE NICHOLS

Dr. Sue Nichols is a Professor in Land Administration and Property Studies at the University of New Brunswick and has conducted research on tidal and marine boundaries for over 20 years. Sue is a Past-President of the Canadian Institute of Geomatics and has been on the Advisory Committee for the Canadian Minister of Natural Resources. She engaged in research as Project Leader on a multi-year, interdisciplinary research project on "Good Governance of Canada's Oceans: The Use and Value of Marine Boundary Information" that included examination of boundary uncertainty, marine cadastre, and other issues related to ocean governance.

Sue Nichols
Professor and Director of Graduate Studies
Dept. of Geodesy and Geomatics Engineering (GGE)
University of New Brunswick
Fredericton, NB
Canada E3B 5A3
Tel: + 1 506-453-5141
Fax: + 1 506-453-4943
E-mail: nichols@unb.ca

Marine Administration Research Activities within Asia and the Pacific Region – Towards a Seamless Land-Sea Interface

ABBAS RAJABIFARD

Dr. Abbas Rajabifard BSurv (KNT), MSc (ITC), PhD (Melb), is Deputy Director of the Centre for Spatial Data Infrastructures and Land Administration, and a Senior Research Fellow in the Department of Geomatics at the University of Melbourne. He has been an Executive Board member and National representative to the United Nations sponsored Permanent Committee on GIS Infrastructure for Asia and the Pacific (PCGIAP) and is currently WG3-Research Coordinator. He is a Chief Investigator of an Australian Research Council project looking into the development of marine cadastre and in particular investigation into the development of a seamless SDI model covering both land and marine environments. His current research and interest are spatial data management, SDI design and development (both land and marine environments), spatially enabled platforms and SDI capacity building.

Dr Abbas Rajabifard
Department of Geomatics, The University of Melbourne
Parkville, 3010
AUSTRALIA
Tel. + 61 3 8344 0234
Fax + 61 3 9347 2916
Email: abbas.r@unimelb.edu.au
Web site: http://www.geom.unimelb.edu.au/research/SDI_research

IAN WILLIAMSON

Dr. Ian Williamson, AM, FTSE, is Head, Department of Geomatics, University of Melbourne, Australia, where he is Professor in Surveying and Land Information, and Director of the Centre for Spatial Data Infrastructures and Land Administration. He is Chair, Working Group 3 (Cadastre) of the United Nations sponsored Permanent Committee for GIS Infrastructure for Asia and Pacific (PCGIAP). He was Chairman of Commission 7 (Cadastre and Land Management) of the International Federation of Surveyors (FIG) 1994-98 and Director, United Nations Liaison 1998-2002. His teaching and research interests are concerned with designing, building and managing land and marine administration systems, cadastral, and land and geographic information systems in both developed and developing countries. He has consulted and published widely within these areas.

Professor Ian Williamson
Department of Geomatics, The University of Melbourne
Parkville, 3010
AUSTRALIA
Tel. + 61 3 8344 4431
Fax + 61 3 9347 4128
Email: ianpw@unimelb.edu.au
Web site: http://www.geom.unimelb.edu.au/research/SDI_research

ANDREW BINNS

Andrew Binns is a Research Fellow and member of the Centre for Spatial Data Infrastructures and Land Administration at the University of Melbourne. He previously worked with the Cooperative Research Centre for Spatial Information (CRC-SI) investigating the development of Virtual Australia. He has also worked as part of a project team who looked into the development of a marine cadastre for Australia. His research areas include marine cadastre and administration, SDI development, Land Administration and Remote Sensing.

Mr Andrew Binns
Research Fellow, Centre for SDIs and LA
Department of Geomatics
The University of Melbourne
Parkville, 3010
AUSTRALIA
Tel. + 61 3 8344 9692
Fax + 61 3 9347 2916
Email: a.binns@unimelb.edu.au
Web site: http://www.geom.unimelb.edu.au/research/SDI_research

Resolving Spatial Uncertainty in the Tidal Interface

PHIL COLLIER

Dr. Phil Collier is a part-time Senior Lecturer in the Department of Geomatics at the University of Melbourne and a part-time Senior Research Fellow in the Cooperative Research Centre for Spatial Information. His research interests include geodetic positioning, high precision engineering applications of GPS, and least squares estimation and analysis. He has been involved in the development of algorithms and software for the computation of Australia's maritime boundaries and the legal limit of Australia's continental shelf. One of Phil's current research projects aims at resolving issues in the definition of the tidal interface for the purposes of marine administration and maritime boundary delimitation.

Dr Philip Collier
Department of Geomatics
The University of Melbourne
Victoria 3010 Australia
Tel. + 61 3 8344 8125
Email: p.collier@unimelb.edu.au

NATHAN DAW QUADROS

Nathan Daw Quadros graduated in 2002 with a Bachelor of Science and a Bachelor of Geomatic Engineering. He worked on three dimensional computer graphics before taking up his PhD within the Geomatics Department at The University of Melbourne. His research interests now include resolving issues in the demarcation and realisation of tidal datums.

Mr. Nathan Daw Quadros
Department of Geomatics
The University of Melbourne
Victoria, Australia. 3010
Tel. + 61 3 8344 4509
E-mail: nathandq@unimelb.edu.au

A National Geocentric Datum and the Administration of Marine Spaces in Malaysia

TEO CHEE HAI

TEO CheeHai is a Licensed and Chartered Surveyor in the private practice in Malaysia with key experience in the area of planning, implementation, supervision and management of surveying and mapping projects that encompass a variety of inter-related activities and tasks and interaction with other professionals, primarily in the coastal zones. He is a Fellow of the Institution of Surveyors Malaysia, a Fellow of the Royal Institution of Chartered Surveyors, United Kingdom, a Member of the Institution of Surveyors, Australia and a Member of the Association of Authorized Land Surveyors Malaysia. He is a Past President of the Institution of Surveyors Malaysia and the immediate past Secretary General of the ASEAN Federation of Land Surveying and Geomatics.

Me Teo CheeHai
Association of Authorized Land Surveyors Malaysia
c/o 116 Jalan Raden Anum Satu, Seri Petaling
57000 Kuala Lumpur
Malaysia
Email: chteo@geosurveys.com.my

AHMAD FAUZI NORDIN

Mr. Ahmad Fauzi Nordin is a land surveyor serving with the Department of Survey and Mapping, Malaysia and has experiences in cadastral, geodetic and mapping surveys. In various capacities over the last 27 years, he had among others undertaken and supervised surveys for land titles, for the provision of geodetic infrastructure, map production and international boundary delimitation. He is a member as well as Fellow of the Institution of Surveyors, Malaysia and Vice Chair of Working Group 3 (Cadastre) of PCGIAP.

Mr. Ahmad Fauzi Nordin
Department of Survey and Mapping
11th Floor, WISMA JUPEM
Jalan Semarak
50578 Kuala Lumpur
Malaysia
Email: fauzi@jupem.gov.my

Governing the North Sea in the Netherlands

MIKE BARRY

Dr. Mike Barry is an Associate Professor in the Geomatics Engineering Department at the University of Calgary, where he is his Associate Head of the Undergraduate programme. He has BSc(Survey) and MBA degrees from the University of Cape Town and a PhD from the University of Natal. His research interests are in developing software tools to support land tenure, analysing and managing change in applying cadastral systems and spatial data analysis. Prior to moving to Canada in 2002, he spent 11 years in private practice and local government and 12 years in the Department of Geomatics at the University of Cape Town. He was recently appointed a director of the FIG foundation and also as Canada's representative to FIG's Commission 7.

Mike Barry
Associate Professor; Associate Head Undergraduate Studies
Department of Geomatics Engineering, University of Calgary
Canada
Web: www.geomatics.ucalgary.ca/~barry

INA ELEMA

Ina Elema received her MSc in Geodesy from Delft University of Technology in 1993. Currently she is head of the Department Geodesy and Tides of the Royal Netherlands Navy Hydrographic Office. She works mainly in the field of navigation, technical aspects of Law of the Sea and tides.

Ina Elema
Geodesy & Tides
Hydrographic Office
Royal Netherlands Navy
Email: IA.Elema@mindef.nl
Tel. + 31 70 3162826
Fax: + 31 70 3162843
Royal Netherlands Navy Hydrographic Office
P.O.Box 90701
2509 LS The Hague
The Netherlands

PAUL VAN DER MOLEN

Paul van der Molen (56) has a degree in geodesy from Delft University of Technology (NL). He is currently a director of the Netherlands Cadastre, Land Registry and Mapping Agency, responsible for Kadaster International. He is a professor at the International Institute for Geo-information Science and Earth Observation ITC in Enschede (NL). He acts as a chair of FIG Commission 7 and as a director of the FIG International Bureau of Land Records and Cadastre OICRF.

Paul van der Molen
Cadastre, Land Registry and Mapping Agency
Kadaster International
PO Box 9046
7300 GH Apeldoorn
The Netherlands
Email: paul.vandermolen@kadaster.nl
Tel +31-55-5285695
Fax +31-55-3557362
Web: www.kadaster.nl

International Institute for Geoinformation Science and Earth Observation
PO Box 6
7500 AA Enschede
Email: molen@itc.nl
Tel. + 31-53-4874444
Fax + 31-53-4874400
Web: www.itc.nl

Using Canadian MPAs to Highlight the Need for Improved Tenure Information Management

SAM NG'ANG'A

Dr. Sam Macharia Ng'ang'a is a Research Fellow with the Oceans and Coastal Habitat Division, Department of Fisheries and Oceans, Bedford Institute of Oceanography, Canada. He is currently working on Canada's Integrated Management approach to Coastal and Oceans Management. Dr. Macharia Ng'ang'a is also a part-time lecturer at the Department of Civil and Resource Engineering, Dalhousie University, Canada.

Dr. Sam Macharia Ng'ang'a
Bedford Institute of Oceanography
P.O. Box 1006
Dartmouth, NS
B2Y 4A2
Mail Stn. B435
Canada
Email: sam.nganga@unb.ca

Institutional Frameworks in the Administration of Coastal and Marine Space in Africa

ISAAC BOATENG

Isaac Boateng, is a founding member and chief executive officer of Coastnet-Ghana, a Non Governmental Organisation involve in Coastal Zone Management. He is also a Part-time Lecture at the University of Portsmouth. Currently he is undertaken a PhD research on the topic, 'Integrated Shoreline Management and Adaptation of Ghana Coast to Climate Change' at the Geography Department of University of Portsmouth. Isaac completed MSc. in Coastal and Marine Resource Management at the University of Portsmouth, MA. Level research study in Scandinavian Welfare Model at Roskilde University, Denmark and also B.Ed degree in Social Studies at the University of Cape Coast, Ghana. Isaac has also been a Lecturer at the Liberal Studies Department of Kumasi Polytechnic in Ghana.

Mr Isaac Boateng
Department of Geography
University of Portsmouth
Buckingham Building
Portsmouth, PO1 3HE
United Kingdom
Tel. + 44 (0) 79 8416 4259
Email. boatengis@yahoo.co.uk / Isaac.boateng@port.ac.uk

Impacts and Management of Oil Spill Pollution along the Nigerian Coastal Areas

PETER CHIGOZIE NWILO

Dr. P.C. Nwilo is an Associate Professor and acting Head of the Department of Surveying & Geoinformatics, University of Lagos, Lagos – Nigeria. He is also the Coordinator of the GCLME/UNILAG Regional Centre for Environmental Information Management System at the University of Lagos, Lagos. Dr. Nwilo has a Ph.D. in Environmental Resources from the University of Salford, United Kingdom. He also has a Bachelor of Science and a Master of Science in Surveying from the University of Lagos. His Ph.D. Thesis is on Sea Level Variations and the Impacts along the Coastal Areas of Nigeria. He is a registered surveyor, a member of the Nigeria Institution of Surveyors, an Editorial Board Member of the Journal of Environment Education and Information, University of Salford, U.K., an Honorary Advisory Board Member of the Encyclopedia of Life Support System and an Editorial Board Member of the African Geodetic Journal. Dr. Nwilo had a fellowship Award of the European Community for his Ph.D.; and was a Federal Government of Nigeria scholar for his M.Sc. and B.Sc. degrees. Dr. Nwilo has over 60 publications in journals and conferences in the areas of surveying, coastal management, oil spill, sea level variations, subsidence and environmental management.

Dr. P.C. Nwilo
Acting Head of the Department of Surveying & Geoinformatics
University of Lagos
Lagos
Nigeria
Email: pcnwilo@yahoo.com

OLUSEGUN TEMITOPE BADEJO

Mr. O. T. Badejo graduated from the University of Lagos with a Bachelor of Science (B.Sc.) degree in Surveying in 1992. He also obtained a Master of Science (M.Sc.) degree in Surveying, in University of Lagos in 1996. His B.Sc. Project was on Sea Level Variation in a Coastal Seaport, while his M.Sc. research work was on Tidal Prediction Using Least Squares Approach. He is currently a Ph.D. candidate and also a Lecturer in Department of Surveying and Geoinformatics, University of Lagos. He is working on pollution transport and coastal processes. Mr. O.T. Badejo has over 10 publications.

Mr. O. T. Badejo
Department of Surveying & Geoinformatics, University of Lagos
Lagos
Nigeria
Email: shegunbadejo@yahoo.com

The Douala Coastal Lagoon Complex, Cameroon: Environmental Issues

CHEBO K. ASANGWE

Dr. Chebo K. Asangwe has had 2 decades of University teaching, research and consultancy in Coastal Geomorphology since he left the School of Post Graduate Studies at the University of Lagos, Nigeria in 1987 with the M.Sc in Geography. His Doctoral thesis-(Ph.D) on Sediment distribution and shoreline mobility along the Ondo coast of Nigeria, on his return to the University of Lagos further emphasized his research interest in coastal hazards, degradation and management along humid tropical shorelines. After a decade of teaching at the University of Lagos, he joined the Department of Geography at the University of Buea in Cameroon in 1998 where he is a Senior Lecturer. He has since published extensively on problems of erosion, flooding and wetland degradation along the Nigerian coast covering the Lagos, Ondo and western Niger delta areas, as well as on estuarine river dynamics and coastal lagoons in Cameroon. He has worked with several environment consulting companies involved in Baseline studies for Environmental Impact Assessment surveys of Crude Oil operations and land degradation in both Nigeria and Cameroon.

Dr. Chebo K. Asangwe
Senior Lecturer
Department of Geography
University of Buea
Cameroon
Email: chebo23asangwe@yahoo.com

The Protection, Management and Development of the Marine and Coastal Environment of Ghana

DANIEL S. AMLALO

Daniel Amlalo holds B.Sc. in Biological Sciences and M. Sc. in Environmental Resources Management. He is currently a Director responsible for Field Operations at the Environmental Protection Agency in Ghana. He has over twenty-two year's postgraduate experience working in the marine and coastal area of Ghana and has a number of publications to his credit.

Daniel S. Amlalo
Environmental Protection Agency
P. O. Box M. 326,
Accra
Ghana
Tel. + 233 21 662465, 233 21 664697-8
Email : damlalo@epaghana.org/ damlalo@yahoo.co.uk

A Note on Marine Administration in Small Island Developing States (SIDS)

DAVID NEALE

David Neale is a hydrographic surveyor engaged in private practice in the Caribbean. His practice includes coastal and offshore hydrographic surveying for a wide variety of applications including hydrocarbon exploration, coastal engineering and coastal resource management and coastal area planning. He is a part-time lecturer in hydrography and a researcher in the Department of Surveying and Land Information at the St. Augustine Campus of the University of the West Indies, Republic of Trinidad and Tobago.

David Neale
Department of Surveying and Land Information
St. Augustine Campus, University of the West Indies
Republic of Trinidad and Tobago
Email: dneal@trinidad.net