

**INTERNATIONAL HYDROGRAPHIC
ORGANIZATION**



**ORGANISATION HYDROGRAPHIQUE
INTERNATIONALE**

IHB File N° S3/0104

**CIRCULAR LETTER 70/2011
10 November 2011**

PRINCE ALBERT 1st MEDAL FOR HYDROGRAPHY - 2012

Ref.: IHO Resolution 6/2009.

Dear Hydrographer,

1. The “Prince Albert 1st Medal for Hydrography” was created in 1988 following discussions between the President of the Directing Committee and the Prince of Monaco. The name was selected to acknowledge Prince Albert Ist as one of the great navigators and explorers of his time, and it was decided to award the medal to the author of the best article published in the International Hydrographic Review (IHR).
2. The “Prince Albert 1st Medal for Hydrography” was first presented at the XIVth International Hydrographic Conference in 1992 and traditionally has continued to be awarded every 5 years and presented by the Prince of Monaco at the Opening Ceremony of the ordinary International Hydrographic Conferences (IHC).
3. In accordance with the above-referenced IHO Resolution, the IHB is now starting the selection procedure to identify the winning article for the period 2007-2011. For this purpose, please find in Annex A the list of articles published in 2007, 2008, 2009, 2010 and 2011 in the International Hydrographic Review. Those articles published in 2007 and 2008 can be found in the printed version distributed during those years and articles from 2009 onwards can be found on the IHO website under the “International Hydrographic Review” section.
4. Member States are kindly invited to select three articles from the list in Annex A and grade them in priority order - first, second and third choice. The IHB will collate the responses and select the winning article scoring the highest number of points.

5. You will find attached herewith a Voting Paper (Annex B) to express your choice for the selection of the winner of the Prince Albert Medal 1st Medal for Hydrography to be presented at the XVIIIth I.H. Conference. You are kindly requested to return your vote to the IHB **by 15 January 2012**. The winner's name will be announced to Member States in another Circular Letter by the end of January 2012.

On behalf of the Directing Committee
Yours sincerely,

A handwritten signature in blue ink, appearing to be 'H. Gorziglia', written in a cursive style.

Captain Hugo GORZIGLIA
Director

Annex A: List of articles published in the IHR 2007-2011
Annex B: Voting Paper

LIST OF ARTICLES PUBLISHED IN THE IHR 2007-2011

YEAR / EDITION	AUTHOR(S)	TITLE
2007 April	Brian Calder	Multi-Algorithm Swath Consistency Detection for Multi-beam Echosounder Data
2007 April	Thierry Garlan	Study on Marine Sandwave Dynamics
2007 April	Yves Pastol, Catherine Le Roux, Laurent Louvart	LITTO 3 D - A Seamless Digital Terrain Model
2007 April	Sebastiao Simões de Oliveira, Flavio Joaquim de Souza	Re-surveying Decision Support Methodology Fuzzy Logic as an instrument for establishing area selection and priority
2007 November	Ron Macnab	Continental Shelf Submissions : an Updated record
2007 November	Roderik Lindenbergh, Leendert Dorst, Hans Wüst, Peter Menting	Predicting Sand Wave Dynamics On the Netherlands Continental Shelf
2007 November	Kurt Schwehr, Lee Alexander	Encoding AIS Binary Messages in XML Format for Providing Hydrographic- related information
2007 November	Dave Mann	GPS Techniques in Tidal Modelling
2008 April	B.R.Calder, R.T.Brennan, J.Marcus, C.Malzone, P.Canter	High-Precision, High-Accuracy Timekeeping in Distributed Survey Systems
2008 April	B.Hell, M.Jakobsson	A Data Model and Processing Environment for Ocean-Wide Bathymetric Data Compilations
2008 April	S.Pe'eri, Y.Rzhanov	Mosaicing Tool for Aerial Imagery from a Lidar Bathymetry Survey
2008 April	J.Zhao, H.Zhang, S.Wang	Precise Tide-independent Bathymetric Survey and Application to the Inshore Monitoring of Seabed Evolution
2008 April	O.Ojinnaka	Development of Indigenous Nigerian Tide Tables The Challenge Before the Developing Nations
2008 April	D.Gray	Surveying a Land Boundary Reference Point Used in the Guyana-Suriname Maritime Boundary Delimitation
2008 September	Rupert Gerritsen	The Mystery of the Deadwater Wreck
2008 September	Carol Lockhart, Doug Lockhart, José Martinez	Total Propagated Uncertainty (TPU) for Hydrographic LiDAR to Aid Objective Comparison to Acoustic Datasets
2008 September	Adam Kerr	The Geography of a Maritime Boundary Delimitation
2008 September	Ian Russell, Ron Macnab	UNCLOS Article 76 - Implementation by Smaller Developing States Entitlement, Evidence, Expertise and Expense
2008 September	Lihua Zhang, Yanchun Liu, Qing Zhu, Fuming Xiao	A Solution to the Ambiguity Problem in Depth Contouring

YEAR / EDITION	AUTHOR(S)	TITLE
2008 September	Oliver C. Ojinnaka, Ndukwe K. Ndukwe	Adopting a Reference Standard Port for Nigeria
2009 May	Michael O. Gonsalves, Dean J. Battilana	Surveying on the Side: A study in the implementation of a tilted multibeam transducer in an ultra-shallow riverine environment
2009 May	Philip Woodworth, Peter Foden, Jeff Pugh, Andrew Mathews, Thorkild Aarup, Angora Aman, Emmanuel Nkebi, Joseph Odametey, Roy Facey, Mustafa Yousef Abdulgafor Esmail, Muhammad Ashraf	Insight into Long Term Sea Level Change based on New Tide Gauge Installations at Takoradi, Aden and Karachi
2009 May	Athanasios Pallikaris, Lysandros Tsoulos, Demitris Paradisis	New Meridian Arc formulas for Sailing Calculations in GIS Navigational Systems
2009 May	Dimitrios Dalaklis, Petros Siousiouras, Niktis V. Nikitakos	Enforcing Safety and Security in the Eastern Mediterranean: The Greek Effort to Implement Vessel Traffic Services
2009 November	John Shannon Byrne, Gail Smith, Walter Simmons, Bill Mehaffey	GPS - based Vertical Control, Unaided by a Shore Station
2009 November	Jonathan Beaudoin, B.Calder, J.Hiebert, G.Imahori	Estimation of Sounding Uncertainty from Measurements of Watermass Variability
2009 November	David Dodd, Bill Mehaffey, Gail Smith, Ken Barbor, Stephan O'Brien, Maxim van Norden	Chart Datum Transfer using a GPS Tide Gauge Buoy in Chesapeake Bay
2009 November	Giuseppe Masetti, Fulvia Orsini	Environmental Risks Monitoring of Shipwrecks in Italian Seas
2009 November	Aluizio Macel de Oliveira, Izabel King Jeck	Multibeam Processing for Nautical Charts
2010 May	Andrew David	An Eighteenth Century Joint Survey of the North-West coast of America by British and Spanish Surveyors.
2010 May	Larry A.Meyer, A.Armstrong, B.Calder, J. Gardner	Seafloor Mapping in the Arctic: Support for a Potential US Extended Continental Shelf.
2010 May	Eric Yang, P. E. LaRocque	SHOALS Object Detection.
2010 May	Lee Alexander, K. Schwehr	New Standards for Providing Meteorological and Hydrographic Information via AIS Application-Specific Messages

YEAR / EDITION	AUTHOR(S)	TITLE
2010 May	Vaughan Nail	A First Generation ENC Service.
2010 November	Adrian Webb	Foundations for "International cooperation in the field of hydrography": some Contributions by British Admiralty Hydrographers, 1795-1855
2010 November	Katherine Cronin, Robert Devoy	From 19th Century to present: changes in hydrographic surveying techniques and determination of sounding accuracy
2010 November	Jorgen Eeg	Multibeam Crosscheck Analysis-a case study.
2010 November	Xavier Lurton, Yoann Ladroit, Jean-Marie Augustin	A Quality Estimator of Acoustic Sounding Detection.
2010 November	Michael Gonsalves	Presenting an automated calibration procedure for an airborne lidar system and its potential application to acoustic hydrography.
2010 November	Travis Hamilton, Jonathan Beaudoin	Modelling Uncertainty Caused by Internal Waves on the Accuracy of MBES.
2010 November	Rosario La Pira	ECDIS-GNSS combined to improve Marine Traffic Safety.
2011 May	A. El-Assal, A. El-Rabbany, S. Mesbah	Bridging GPS outages using spectral fusion and neural network models in support of multibeam hydrography.
2011 May	O. Anejionu, O.Ojinnaka	Underwater Acoustics and Depth Uncertainties in the Tropics.
2011 May	N. Seube, N. Debese, R. Moitié	Hydrography at Master and IHO cat-A Level at ENSTA-Bretagne.
2011 May	D.R. Metters, R.I. Pedderson	A Coherent Tidal Datum for the Torres Strait.
2011 May	Gilles Bessero	The transformation of SHOM.
2011 May	C.Whittaker, S. Sebastian, D. H. Fabre	Multibeam Sonar Performance Analysis - Value and Use of Statistical Techniques.
2011 November	Xavier Lurton, Stacy DeRuiter	Sound radiation of seafloor-mapping echosounders in the water column, in relation to the risks posed to marine mammals.
2011 November	David Dodd, Jerry Mills	Ellipsoidally Referenced Surveys (ERS) ; Issues and Solutions.
2011 November	Rob Hare, Barry Eakins, Christopher Amante	Modelling Bathymetric Uncertainty.
2011 November	Tom Hiller, Thomas B. Reed, Arnar Steingrimsson	Producing Chart Data from Interferometric Sonars on Small AUVs.
2011 November	Long Zhou	Mapping Mesoscale Ocean Currents.

=====

VOTING PAPER

[to be returned to the IHB, duly completed, by 15 January 2012

E-mail: info@ihb.mc - Fax: +377 93 10 81 40]

2012 PRINCE ALBERT 1st MEDAL FOR HYDROGRAPHY

Member State:

The 2012 Prince Albert 1st Medal for Hydrography will be presented by HSH Prince Albert II of Monaco at the XVIIIth International Hydrographic Conference in April 2012.

Please indicate your three selected articles in priority order:

Choice	AUTHOR	TITLE
1st		
2nd		
3rd		

Comments (if any) :

.....
.....
.....
.....
.....
.....

Name/Signature:

Date: