

INTERNATIONAL HYDROGRAPHIC
ORGANIZATION



ORGANISATION HYDROGRAPHIQUE
INTERNATIONALE

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23 November 2006

PRINCE ALBERT 1st MEDAL FOR HYDROGRAPHY - 2007

Dear Sir,

You will recall that the Prince Albert 1st Medal for Hydrography is traditionally awarded every 5 years and presented by the Prince of Monaco at International Hydrographic Conferences (IHC). To date, three medals have been awarded - one in 1992 (at the XIVth IHC), one in 1997 (at the XVth IHC) and one in 2002 (at the XVIth IHC).

Up until 1999, the eligible papers were chosen from those published in the International Hydrographic Review (2 volumes per year, March and September) but from January 2000, following the licensing of the International Hydrographic Review to the commercial publisher GITC in September 1999, the selection was made from technical articles published in the *New International Hydrographic Bulletin* (10 issues per year).

Following the suppression of hydrographic papers in the Bulletin, the printed version of which was replaced in 2002 by the *Internet Bulletin News*, the winning article that will be awarded the Prince Albert 1st Medal in 2007 will now be chosen among the papers published in 2002, 2003, 2004, 2005 and 2006 in the *International Hydrographic Review (New Series)* published by GITC.

You will find attached herewith a Voting Paper to select the winner of the 4th Prince Albert Medal 1st Medal for Hydrography to be presented at the XVIIth I.H. Conference. You are kindly requested to return your vote to the IHB **by 15 January 2007**. The winner's name will be announced to Member States in another Circular Letter by the end of January 2007.

On behalf of the Directing Committee
Yours sincerely,

Captain Hugo GORZIGLIA
Director

Encl: Annex A - Voting Paper

VOTING PAPER

[to be returned to the IHB, duly completed, by 15 January 2007]

The Directing Committee
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Member State:

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2007 PRINCE ALBERT 1st MEDAL FOR HYDROGRAPHY

The 2007 Prince Albert 1st Medal for Hydrography will be presented by HSH Prince Albert II of Monaco at the XVIIth International Hydrographic Conference in May 2007.

The selection of papers for the 2007 Prince Albert 1st Medal from 2002 to 2006 are shown below. Please indicate your choice by marking ✓ in the first column alongside the selected paper.

	AUTHOR	TITLE
	IHR (New Series), April 2002, Vol. 3, No. 1	
	BOURGOIN Jean and TAILLEMITE Etienne	The Baudin Expedition to Australia 1800-1804
	ANGRISANO Giuseppe (RAdm.)	Work of the IHO to promote activities of National Hydrographic Offices to provide Reliable Nautical Charts
	WARD Robert	Paper Chart Information in a Digital Era - Some Considerations
	O'CONNOR Tony	First Steps on the Quality Journey
	MONAHAN David and WELLS Dave	The Use of the International Hydrographic Organisation's "Standards for Hydrographic Surveys" as a measure of Depth Accuracy in Continental Shelf Determinations
	COLLIER P.A., MURPHY B.A. MITCHELL D.J. and LEAHY F.J.	The Automated Delimitation of Maritime Boundaries - An Australian Perspective
	SJÖBERG Lars E.	The Three-point Problem of the Median Line Turning Point: on the Solutions for the Sphere and Ellipsoid
	BENNETT John Overton	Examples of Mapping "The Foot of the Continental Slope" with "The Surface of Directed Gradient" Algorithm using NOAA's ETOPO5 Data Base
	COWAN Matthew	Liquid Crystal Display (LCD) Monitors for ECDIS Applications Update Report

AUTHOR	TITLE
IHR (New Series), August 2002, Vol. 3, No. 2	
DAVID Andrew	From Mutineer to Hydrographer – The Surveying Career of Peter Haywood
SMITH Shepard L.T., ALEXANDER Lee, ARMSTRONG Andrew A. (Capt.)	The Navigation Surface : A New Database Approach to Creating Multiple Products from High-density Surveys
BOYLE Tony and RODRIGUES Ian & WARD Robert	An Investigation regarding Seafarers’ Resistance to using ECDIS Black-background Chart Display Modes
DOBSON Richard	International Co-operation to Improve Safety of Navigation in the Southern Red Sea
WRIGHT Peter Dr.	UK Hydrographic Office Experience of Producing Electronic Navigational Charts
SINCLAIR Mark (Cdr.)	LADS Survey – A Case Study on Australia’s Northwest Shelf
GUENTHER Gary C., LILLYCROP W. Jeff & BANIC John R.	Future Advancements in Airborne Hydrography
EVANGELATOS Timothy V., O’BRIEN C. Douglas, CASEY Michael and VACHON Don	Hydrographic Data Standards and Standards-based Geospatial Data Infrastructures
KOMARITSYN A.A. (Adm.) and MIROSHNIKOV I.M.	The 175 th Anniversary of the Russian Navy Hydrographic Service
IHR (New Series), November 2002, Vol. 3, No. 3	
EHLERS Peter	Hydrographic Services at the Crossroads
PARKER Bruce	The Integration of Bathymetry, Topography and Shoreline and the Vertical Datum Transformations behind it
PUGH David Dr. , HUNTER J., COLEMAN Richard and WATSON Chris	A Comparison of Historical and Recent Sea Level Measurements at Port Arthur, Tasmania
TUURNALA Tiina	Intelligent Chart Production System to meet the Requirements of Modern Nautical Chart Production
TRAINOR Neil and HUGGETT Jim	Managing the Safe Operations of shipping in the Great Barrier Reef and Torres Strait
VACHON Don, LAFOND, Pierre and EVANGELATOS TIMOTHY V.	Delivering Marine Geospatial Data on the Web – The Canadian Department of Fisheries and Oceans’ GeoPortal
IHR (New Series), April 2003, Vol. 4, No. 1	
CLARKE John E. Hughes	Dynamic Motion Residuals in Swath Sonar Data : Ironing out the Creases
GRAY David H.	The Geodetic Properties of the Equidistance Line
JAKOBSSON Martin, MAYER Larry and ARMSTRONG Andrew	Analysis of Data Relevant to Establishing Outer Limits of a Continental Shelf under Law of the Sea Article 76
CALDER Brian	Automatic Statistical Processing of Multibeam Echosounder Data
KOPACZ Z., Morgas W. and URBANSKI J.	Hydrography : Its Present State and Future Development

AUTHOR	TITLE
IHR (New Series), August 2003, Vol. 4, No. 2	
CARPINE-LANCRE Jacqueline	Origins of a Lasting Bathymetric Endeavour
LURTON Xavier	Theoretical Modelling of Acoustical Measurement Accuracy for Swath Bathymetric Sonars
HAGA Kjersti Helene, PØHNER Freddy and NILSEN Kjell	Testing Multibeam Echo Sounders versus IHO S-44 Requirements
JONAS Mathias and MELLES Johannes	Study on ENC Loading Strategy in relation to SCAMIN Effects and "Overscale" Indications
SHU Jian-Jun	Prediction and Analysis of Tides and Tidal Currents
PIROZHNIKOV Alexey	Making Paper Charts out of ENC's
ELLMER Wilfried and VAHRENKAMP Bernd	Surveying the "Jadebusen" as an Example of Hydrographic Surveys for Multiple Uses
IHR (New Series), December 2003, Vol. 4, No. 3	
WOLF Matthias, LIEBSCH Gunter, RICHTER Andreas, DIETRICH Reinhard, ELLMER Wilfried	Marine Motion Measurements using GPS
CRONIN Doug, BROADUS Mel, REED, Barbara BYRNE John Shannon, SIMMONS Walter and GEE Lindsay	Hydrographic Workflow - From Planning to Products
WOODWORTH Philip L. and SMITH David E.	A One Year Comparison of Radar and Bubble Tide Gauges at Liverpool
AL-ABDULLA Ali Abdulla and JANKOVIC Vladan	Airborne Laser Bathymetric Survey of Qatar's Coastal Waters
<i>Translated articles</i>	
BEYER Andreas	High Resolution Bathymetry at the European Continental Slope
SCHÖNE Tilo, REIGBER Christoph and BRAUN Alexander	GPS Offshore Buoys and Continuous GPS Control of Tide Gauges
FIEDLER Hannelore M. and MILKERT Doris	Mosaics of Sediments and Structures on the Seafloor Mapped by Side Scan Sonar
MÜLLER Sabine	Detection of Embedded Objects using Parametric Sub-Bottom Profilers
DEBESE Nathalie	Determination of the Insonification Area of a Multi-beam Echo-sounder using a Front Propagation
IHR (New Series), April 2004, Vol. 5, No. 1	
SMIRNOV Valentin G.	Lt. F.F. VRANGEL' and corvette "Challenger"
CALDER Brian and SMITH Shep	A Time Comparison of Computer-Assisted and Manual Bathymetric Processing
BATEMAN Sam	Hydrographic Surveying in Exclusive Economic Zones : Jurisdictional Issues
LIU Yanchun, LI Mingsan, XIAO Fumin, BAO Jingyang and HUANG Motao	A Method for Detecting and Adjusting Systematic Errors of Singlebeam Sounding Data Acquired in a Grid Pattern
BISNATH Sunil, WELLS David, HOWDEN Stephan, DODD David and WIESENBERG Denis	Development of an Operational RTK GPS-equipped Buoy for Tidal Datum Determination
HUANG Motao, ZHAI Guojun, OUYANG Yongzhong, LIU Yanchun and LU Xiuping	Progress and Prospects of Hydrographic Surveying Technology in China

AUTHOR	TITLE
EL-RABBANY Ahmed, AGI Benson and COLEMAN David	A Model for Automatic Integration of Ice Information into Electronic Navigational Chart
DEMOULIN Xavier, STÉPHAN Yann and PÉLISSERO Laurent	Operational Feasibility of the Geoacoustic Inversion of Equivalent Media : Principle and Application to the INTIMATE96 Data
IHR (New Series), August 2004, Vol. 5, No. 2	
MCCONNELL Anita	L.F. MARSIGLI (1658-1730) : Early Contributions to Marine Science and Hydrography
EEG JØRGEN	Verification of the Z-Component in the RTK Survey of Drogden Channel
MOTZ Florian and WIDDEL Heino; OEI Parry; MACKINNON Scott and ALEXANDER Lee	Investigations for Ergonomic Presentation of AIS Symbols on ECDIS
HUANG Ju-Chin	Consumer Perceived Economic Value of Electronic Charts
DORST Leendert L.	Survey Plan Improvement by Detecting Sea Floor Dynamics in Archived Echo Sounder Surveys
HIDE Christopher, MOORE Terry and SMITH Martin	Performance of GPS and Low-cost INS Integration in Marine Surveying
IHR (New Series), November 2004, Vol. 5, No. 3	
JOHNSON Peter Johnson (Lt. Cdr.)	'ZOCman Cometh' or "On the Application of Category of Zone of Confidence in the Australian Hydrographic Service
BEAUDOIN J.D., CLARKE J.E. Hughes and BARLETT J.E.	Application of Surface Sound Speed Measurements in Post-processing for Multi-sector Multibeam Echosounders
VACHON Don, POULIN Michel, LAFOND Pierre and EVANGELATOS Timothy V.	Publishing Marine Geospatial Data on the Web : the DFO GeoBrowser
HÄRTING Alexander, REINKING Jörg and ELLMER Wilfried	Ship Squat in Hydrography - A Study of the Surveying Vessel "Deneb"
ZHAO Jianhu, CLARKE John E. Hughes, BRUCKER Steven and DUFFY Garret	On the Fly GPS Tide Measurement along the Saint John River
VRBANCICH Julian	Airborne Electromagnetic Bathymetry Methods for Mapping Shallow Water Sea Depths
POSTNIKOV Alexey V.	Learning from Each Other - A History of Russian-native Contacts in late 18 th - early-19 th Century Exploration and Mapping of Alaska and the Aleutian Islands
HILLER Tom and HOGARTH Peter	The Use of Phase Measuring (Interferometric) Sonars : Choosing Appropriate Data Processing Methodologies
LEDER Tea Duplancic and LAPAINE Miljenko	Assigning S-57 SCAMIN Attributes for Archipelagic Seas : Eastern Adriatic Coast Experience
MARTIN MÍGUEZ, Belén, PÉREZ GÓMEZ Begoña and ÁLVAREZ FANJUL Enrique	The ESEAS-RI Sea Level Test Station : Reliability and Accuracy of Different Tide Gauges

AUTHOR	TITLE
IHR (New Series), August 2005, Vol. 6, No. 2	
RITCHIE, G. Steve	Three Hydrographic Quantum Leaps
CALDER Brian, BYRNE Shannon, LAMEY Bill, BRENNAN Richard T., CASE James D., FABRE David, GALLAGHER Barry, LADNER R. Wade, MOGGERT Friedhelm, PATON Mark and the Open Navigation Surface Working Group	The Open Navigation Surface Project
MARKS Karen M. and SMITH Walter H.F.	2,500 m Isobath from Satellite Bathymetry – Accuracy Assessment in light of IHO S-44 Standards
SKOPELITI Andriani (Dr. Ing.) and TSOULOS Lysandros (Prof.)	A Model for the Generalisation and Transfer of Linear Features over the Web
WHATRUP Cliff, MANN Dave and DAVIDSON Brian	The UK Civil Hydrography Programme – Changing the Mould
SIOUSIOURAS Petros	Geopolitical and Geoeconomic Value of Access to Sea Resources – The Case of the Land-Locked States in Africa
IHR (New Series), November 2005, Vol. 6, No. 3	
MARATOS Alexandros (VAdm.)	Shallow-Survey 2005 – 4 th International Conference, Plymouth, Devon, UK, from 12-15 September 2005
DAVID Andrew	British Hydrographic Surveys in the Mediterranean in the early years of the 19 th Century
JAKOBSSON Martin, ARMSTRONG Andrew, CALDER Brian, HUFF Lloyd, MAYER Larry and WARD Larry	On the Use of Historical Bathymetric Data to Determine Changes in Bathymetry – An Analysis of Errors and Application to Great Bay Estuary, New Hampshire, USA
KERR Adam	Hydrography and Disaster Management
IHR (New Series), April 2006, Vol. 7, No. 1	
WAKEFIELD Martin, SINCLAIR Mark, TOWNSEND Nigel	Beam to Chart – A Case Study of the LIDAR Survey of the Sound of Harris
SMITH K.	Zones of Confidence (ZOC) for New Zealand
BATEMAN Sam	Surveying in the Exclusive Economic Zone: Possible Guidelines for Rights and Duties
PALMER Trent	Geographic Names and the United Nations Convention on the Law of the Sea
IHR (New Series), August 2006, Vol. 7, No. 2	
DANIEL Tim	Marine Scientific Research under UNCLOS : a Vital Global Resource ?
SMITH Shepard M. (LCDR)	Empirical Object Detection Performance of LIDAR and Multibeam Sonar Systems in Long Island Sound
WOZENCRAFT Jennifer M. and LILLYCROP Jeff W.	JALBTCX Coastal Mapping for the USACE

AUTHOR	TITLE
DODD David and BISNATH Sunil	Analysis of NOAA-Generated Tropospheric Refraction Corrections for the Next Generation Nationwide DGPS Service
IHR (New Series), October 2006, Vol. 7, No. 3	
SIMON Bernad	Height References in Hydrography
PINEAU-GUILLOU Lucia	Coastal Modelling Applied to Tidal Predictions for Hydrographic Sounding Reduction
EGBUH Chief Innocent N.	Charting Nigerian Waters for Safer Navigation
MRIDHA Abul Hasan, MACNAB Ron and VARMA Herman	The Juridical Continental Shelf in the Bay of Bengal, according to the Statement Of Understanding
OSLER John, FURLONG Arnold, CHRISTIAN Harold and LAMPLUGH Mike	The Integration of the Free Fall Cone Penetrometer (FFCPT) with the Moving Vessel Profiler (MVP) for the Rapid Assessment of Seabed Characteristics
DIAS George and COLEMAN David; EL-RABBANY Ahmed and AGI Benson; ALEXANDER Lee	A Process for Producing Ice Coverage Marine Information Objects (MIOs) in IHO S-57 format

Signature: _____