

Content

Peer-reviewed articles

16 BathyGlobe GapFiller: A planning tool to help fill the gaps in world bathymetry

Colin Ware, Larry Mayer and Paul Johnson

28 Towards mapping the gaps in Alaska

Mark Zimmermann and Megan M. Prescott

46 Analysis of the potential of full-waveform stacking techniques applied to coastal airborne LiDAR bathymetry data of the German Wadden Sea National Park

David Mader, Katja Richter, Patrick Westfeld, Jean-Guy Nistad and Hans-Gerd Maas

66 Water level measurements using reflected GNSS signals

Kristine M. Larson and Simon D. P. Williams

78 The implementation of dual frequency positioning for ionospheric effects correction

Jean Roger da Silva and Guilherme A. G. do Nascimento

90 Geospatial information management between hydrography and the law of the sea: A milestone opportunity for their further integration

Ilaria Tani

110 Preliminary studies for a modeling approach regarding floods on the Bia River in Aboisso City

Abdoulaye Maïga, Daouda Sylla and Célestin Hauhouot

122 Automated retrieval of sea surface salinity from satellite data and investigation of the spatiotemporal variation of ocean salinity across the West and Central African coasts

Obinna C. D. Anejionu, Elijah S. Ebinne and Opeyemi Ajibola-James

138 Comparative vertical quality analysis using different methods for MBES data

Ítalo Oliveira Ferreira, Júlio César de Oliveira, Afonso de Paula dos Santos, Arthur Amaral e Silva, Laura Coelho de Andrade and Nilcilene das Graças Medeiros

- 150 Bathymetric data visualization – A review of current methods, practices and emerging interface opportunities**
Andre A. Araujo and Nicholas Hedley
- 164 The effectiveness of S-100 ECDIS capable of ENDS in the view of ship officers' visual characteristics**
Junhyuk Jang, Sekil Park, Sewoong Oh and Ijy Kim
- 172 Methodological proposal for the standardization of the Electronic Navigational Chart scheme in the Caribbean Sea**
Olga Bonfante, Rafael Ricardo Torres Parra and Julio Castillo

Notes / Technical reports

- 194 Release note for the BSCD2000 height transformation grid**
Gunter Liebsch, Joachim Schwabe, Sander Varbla, Jonas Ågren, Hergeir Teitsson, Artu Ellmann, René Forsberg, Gabriel Strykowski, Mirjam Bilker-Koivula, Ivars Liepiņš, Eimuntas Paršeliūnas, Kristian Keller, Olav Vestøl, Ove Omang, Jānis Kaminskis, Monika Wilde-Piórko, Krzysztof Pyrchla, Per-Anders Olsson, Christoph Förste, E. Sinem Ince, Jarosław Somla, Patrick Westfeld and Thomas Hammarklint
- 200 Development of a compact pulsed time-of-flight LiDAR platform for underwater measurements**
Christoph S. Werner, Jannis Gangelhoff, Simon Frey, Daniel Steiger and Alexander Reiterer
- 208 Satellite computed bathymetry assessment - Developing satellite LiDAR methods to enhance coastal bathymetry coverage**
Gilman Ouellette Jr., Kira Fargo and Henry Charry
- 214 Application of remote sensing for the detection of hydrocarbon pollution in the Peruvian coastline**
Juan José Bernal Alvarado
- 220 Usability of multibeam echosounder for wreck investigations using backscatter and water column data in shallow waters**
Varun Jai

- 226 The use of GNSS receivers in smartphones as high precision positioners**
Rodolfo Nogueira Leal Fabricio and G. A. Gomes do Nascimento
- 238 Canada's answer to a Marine Spatial Data Infrastructure (MSDI)**
Claude Gua, Loretta Abado, Haifa Feki, Bill Goodine and Chris Hemmingway
- 242 The IHO Council: Reflections of its first chairs**
Geneviève (Bécharde) McCormack and Shepard Smith
- 248 Crowdsourced bathymetry and its use to support resurvey activity in the North Sea region**
Philip Payne
- 254 African Great Lakes and Rivers Working Group – Collaboration through practical demonstration**
Tim Lewis and Nick Swadling
- 260 Intentional, bold leadership for a modern, gender-balanced hydrospatial workforce**
Helen F. Stewart, Maria Emanuela Mihailov, Victoria Obura, Geetha Plackal Njanaseelan and Shereen Sharma
- 268 The Hydrographic Geospatial Products and Services Committee (HGPSC) using technology to facilitate international collaboration on USA-Canada transboundary charting discussions**
Christie L. Ence and Laura Colombe

General information

- 273 New appointment of the Hydrographer General of Canada and Director General of the Canadian Hydrographic Service**
Government of Canada · Fisheries and Oceans Canada (DFO) · Ecosystems and Oceans Science Sector
- 273 FIG Work Week 2023: A great success for the international surveying community**
Niklas-Maximilian Schild, Annette Scheider and Lukas Klatt