Tue 13 Nov, Theatre
9:00 Opening session welcome
Thaïsienne van Dijk (Chairwoman Hydro12 OC)
10:05 Welcome 1
From seafloor geomorphology to predictive habitat mapping...
Peter Harris (Geoscience Australia) paper 70
10:55 Break
11:15 Session 1 welcome
The story of SS Rotterdam
TBA
11:20 Session 1 activity pitches
90 second pitches of tutorials, demonstrations, and excursions
Simon Salter, Owen Cantrell, Frank Klüster, Jari Pihlén
11:40 Session 1 tutorial 1
How deep will the water be?
Simon Salter (Chersoft) paper 08
12:20 Session 1 tutorial 2
Assessing the Impact of INSPIRE on Related EU Marine Directives
Owen Cantrell (Maritime Safety Queensland) paper 40
12:40 Session 1 tutorial 3
The CARIS Engineering Analysis Module...
Owen Cantrell (Maritime Safety Queensland) paper 29
13:00 Lunch break
14:00 Session 2 welcome
The Progression of Multi-dimensional Water Column Analysis...
Corey Collins (CARIS) paper 22
14:05 Session 2 tutorial 1
Bringing bathymetry together across marine mapping platforms
Tricia Mason (National Oceanography Centre) paper 45
14:30 Session 2 tutorial 2
Suitability mapping for renewable energy potential in the North Sea...
Alain de Wulf (University of Ghent) paper 58
15:00 Session 2 tutorial 3
Flexible Disposal Strategy...
Davy Depreiter (IMDC) paper 55
15:25 Session 2 tutorial 4
Managing bathymetric data in a hydrographic survey company...
Duncan Mallace (NetSurvey) paper 21
16:45 Break
16:55 Session 3 welcome
Innovations in processing techniques
Maarten-Jan Théije (session chair)
17:20 Session 3 tutorial 1
Is Multibeam Water Column Data Really Worth the Disk Space?
Lindsay Gee (OPI) paper 18
17:45 Session 3 tutorial 2
Calibration of vessel mounted LADAR
Vasilis Seuber (EST) paper 60
18:10 Session 3 tutorial 3
The Progression of Multi-Dimensional Water Column Analysis...
Corey Collins (CARIS) paper 22
18:30 Session 3 tutorial 4
Grid Models versus TIN...
Alain de Wulf (University of Ghent) paper 64
19:00 End of business

Tue 13 Nov, Queen's lounge, Atlantic Promenade, Glass Enclosed Promenade
11:00 Exhibition opening ceremony
TBA
11:05 Stands open
18:00 End of business

Tue 13 Nov, Main deck office room
14:00 tutorial 1
How deep will the water be?
Simon Salter (Chersoft) paper 08
14:45 Break
15:45 Break
16:00 Tutorial 2
The CARIS Engineering Analysis Module...
Owen Cantrell (Maritime Safety Queensland) paper 29
17:00 Break
17:15 Tutorial 4
Open IHO Data Quality Working Group meeting
Leendert Dort (vice-chairman)
18:00 End of business

Tue 13 Nov, 2e Katendrechtse Haven (across the parking lot)
14:00 Demonstrations 1
Hondius (DAB Visot, Belgium)
survey vessel (Braedheart Shipping)
survey vessel (Geometius)
survey vessel (Saime Systems)
survey launch (Port of Rotterdam)
survey launch (Seabell)
18:00 End of business

Tue 13 Nov, excursions
10:00 Partner programme departures
18:00 Partner programme returns

Wed 14 Nov, Theatre
9:00 Session 4 welcome
Accurate hydrodynamics I
Leendert Dort (session chair)
9:05 Session 2 tutorial 2
40 years back and forth
Steve Shipman (retired) paper 17
9:35 Oral 4.1
Lowest Astronomical Tide in the North Sea...
Cornelis Slobbe (Delft University of Technology) paper 17
9:55 Oral 4.2
Accurate water levels using PREMO
Micheline Houriet (Deltanes) paper 52
10:15 Oral 4.3
Results of operational sea-wave monitoring with radar gauges
Sebastian Rütten (BfG) paper 23
10:35 Poster pitches
90 second pitches of today’s poster presentations
Richard Sanfaçon, John Klippen, José Bartolomeu Ferreira
10:45 Break
11:15 Session 5 welcome
Geohydraulics of the marine environment
Vera van Lancker (session chair)
11:20 Oral 6.3
Fluid mud density determination in navigational channels
Sylvester Claeys (P.O. Shriver Institute of Oceanology RAS) paper 32
11:40 Oral 5.2
Sediment waves: geohazard or geokulture?
Victoria Poon (P.O. Shriver Institute of Oceanology RAS) paper 42
12:00 Oral 5.3
Quantified sea-bed dynamics of the Netherlands Continental Shelf...
Sytze van Helenen (TNL) paper 66
12:20 Oral 5.4
Monitoring of littoral sediment changes along the Dutch coast
Kees de Vries (Medas) paper 01
12:40 Oral 5.5
Application of high resolution acoustics...
Coen Wiemer (Stema Survey) paper 24
13:00 Lunch break
14:00 Session 6 welcome
Subsea positioning
Wilbert Brink (session chair)
14:25 Session 3 tutorial 3
Is Hydrography keeping up in the Facebook world of today?
Mark Hame (Fugro) paper 16
14:45 Oral 6.1
Innovative Positioning System Integration...
Bart-Jan Ruesink (Geocon) paper 45
15:05 Oral 6.2
INS aided subaerial positioning for ROV surveys
Michiel van de Munt (Alseaas) paper 45
end of business
**Wed 14 Nov, Queen’s lounge, Atlantic Promenade, Glass Enclosed Promenade**

- **9:00 stands open**
- **10:45 poster 1.1** Backscatter "From ping to Database" …
  - Richard Sanlaçon (Canadian Hydrographic Service)
- **10:45 poster 1.2** Digital Mariners Rounting Guide …
  - John Klippen (Jeppesen)
- **10:45 poster 1.3** Deepening of the Port of Santos – Brazil …
  - José Bartolomeu Ferreira Fortes (Convórios Draga Brasil)
- **10:45 poster 1.4** A Comprehensive Definition and Systematic Subdivision of Hydrography …
  - Luis Schiller (Ghent City University Hamburg)
- **10:45 poster 1.5** International Cooperation in Education …
  - Nicolas Seube (ENSTA)
- **10:45 poster 1.6** Hydrographic Training in Belgium
  - Axel Annaert (Antwerp Maritime Academy)

**Wed 14 Nov, Main deck office room**

- **10:00 tutorial 5**
- **10:45 break**
- **11:15 tutorial 6**
- **12:00 break**
- **12:15 tutorial 7**
- **13:00 break**
- **13:00 tutorial 8** Integrated Bathymetric Data Management …
  - Frank Klister (Hamburg Port Authority)

**Wed 14 Nov, 2e Katendrechtse Haven (across the parking lot)**

- **10:00 demonstrations 2**
  - **Hondius (DAB Visiot, Belgium)**
  - survey vessel (Braveheart Shipping)
  - survey vessel (Stema Systems)
  - survey launch (Port of Rotterdam)
- **13:00 lunch break**
- **15:00 demonstrations 3**
  - TBA

**Wed 14 Nov, excursions**

- **10:00 partner programme departs**
- **18:00 partner programme returns**

**Wed 14 Nov, Ouddissea Room**

- **19:00 conference dinner**

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**Thur 15 Nov, Theatre**

- **9:00 session 8 welcome**
- **9:05 poster 8.1** NavaMAP - an integrated national seabed mapping program …
  - Terje Thorsnes (Geological Survey of Norway)
- **9:45 oral 8.1** Sediment vs topographic micro-roughness …
  - Ruggero Cappuccio (University of Bremen)
- **10:05 oral 8.2** High-resolution geophysical survey …
  - Genevieve Panokes (Antwerp Maritime Academy)
- **10:25 oral 8.3** A lithological and morphological map …
  - Mike Mathys (IMDC)
- **10:45 poster pitches**
  - 90 second pitches of today's poster presentations
- **10:55 break**
- **11:15 session 9 welcome**
- **11:20 oral 9.1** The SIFM Field Measurement Programme
  - Ivo Wenneker (Deltares)
- **11:40 oral 9.2** Creating a Current Atlas for the Port of Zeebrugge …
  - Jensen Aardoom (Aqua Vision BV)
- **12:00 oral 9.3** Computer-aided quality assurance …
  - Harmut Hein (BMS)
- **12:20 oral 9.4** A new Coastal Flood Forecasting System for the Netherlands…
  - Simme de Klaasemaer (Nolte)
- **12:40 oral 9.5** Towards more attractivity for hydrographic surveying course …
  - Nicolas Seube (ENSTA)
- **13:00 lunch break**
- **14:00 session 10 welcome**
- **14:05 oral 10.1** Inland Electronic Navigation Chart production …
  - Steve Shipman (session chair)
- **14:25 oral 10.2** Degrees of success …
  - Richard Train (Plymouth University)
- **14:45 oral 10.3** A new framework for the FIG/IHO/ICA Standards of Competence …
  - Gordon Johnston (Venture Geomatics)
- **15:05 oral 10.4** Recoding and Training for the Future …
  - Derric Payton (IC Technology)
- **15:25 oral 10.5** Towards more attractivity for hydrographic surveying course …
  - Nicolas Seube (ENSTA)
- **15:45 end of session**

**Thur 15 Nov, Grand Ballroom**

- **16:15 closing ceremony welcome**
- **16:20 en evnement jovox**
- **16:35 Best student paper award**
- **16:35 Best paper presentation**
- **16:40 announcement of Hydro14**
- **16:50 farewell exsite**
- **16:55 latecure**
- **17:30 end of business**

**Thur 15 Nov, Queen’s lounge, Atlantic Promenade, Glass Enclosed Promenade**

- **9:00 stands open**
- **10:45 poster 2.1** Survey and Dredge in … Volcanic open sea Island …
  - José Bartolomeu Ferreira Fontes (Convórios Draga Brasil)
- **10:45 poster 2.2** NHS – MIATEC – Print on demand system
  - John Klippen (Jeppesen)
- **10:45 poster 2.3** Plume Measuring Techniques for Dredging Works; the GIProfiler …
  - Lisa Nicole Brisson (EdgeTech)
- **10:45 poster 2.4** Measuring Bathymetric Uncertainty of the Edgetech 4600 Sonar …
  - Hugh Parker (Fugro)
- **10:45 poster 2.5** System integration of LiDAR Bathymetry sensors …
  - Hugh Parker (Fugro)
- **10:45 poster 2.6** Observations of inertial oscillations affected by mesoscale activity …
  - B. Aguirer-González (University of Las Palmas)
- **16:15 end of business**
### Thu 15 Nov, excursions
- 10:00 partner programme departs
- 16:15 partner programme returns

### Fri 16 Nov, Main deck office room
NSHC ReSurvey Working Group meeting

### Fri 16 Nov, excursions
- 9:00 visit Maasvlakte II departs
- 9:00 visit Sand Engine departs
- 15:00 visit Maasvlakte II returns
- 15:00 visit Sand Engine returns