

Rotterdam 12-15 Nov



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PROGRAMME HYDRO12

Mon 12 Nov, Entrance 1

14:00 information & registration desk opens
14:00 student activities start
18:00 student activities end
19:30 information & registration desk closes

Mon 12 Nov, Grand Ballroom

19:30 icebreaker starts

Mon 12 Nov, Theatre

18:00 instructions for session chairpersons
19:00 upload facility opens for Tuesday speakers
21:00 upload facility closes for Tuesday speakers

Mon 12 Nov, "Guadeloupe" main deck office room

QPS workshop

Mon 12 Nov, Sun Room

SevenCs ENC demonstration

Mon 12 Nov, 2e Katendrechtse Haven (across the parking lot)

14:00 demonstrations for students MS Scheurak (Rijkswaterstaat)
18:00 end of business

Tue 13 Nov, Theatre

9:00 Opening session welcome
9:10 IFHS introduction
9:17 HSB introduction
9:25 opening address
9:50 intermezzo
10:05 keynote 1
10:45 exhibition opening
10:55 break
11:15 activity pitches
11:35 session 1 welcome
11:40 oral 1.1
12:00 oral 1.2
12:20 oral 1.3
12:40 oral 1.4
13:00 lunch break
14:00 session 2 welcome
14:05 oral 2.1
14:25 oral 2.2
14:45 oral 2.3
15:05 oral 2.4
15:25 oral 2.5
15:45 break
16:15 session 3 welcome
16:20 oral 3.1
16:40 oral 3.2
17:00 oral 3.3
17:20 oral 3.4
17:40 oral 3.5
18:00 end of business

The story of SS Rotterdam
From seafloor geomorphology to predictive habitat mapping ...
90 second pitches of tutorials, demonstrations, and excursions
Careful marine planning I
Beyond bathymetry - coastal marine mapping
Suitability mapping for renewable energy potential in the North Sea ...
Flexible Disposal Strategy ...
Managing bathymetric data in a hydrographic survey company ...

Thaienne van Dijk (Chairwoman Hydro12 OC)
Aubrey Price (Director IFHS)
Leeke van der Poel (Chairman HSB)
Robert Ward (President IHO)

Peter Harris (Geoscience Australia)
Rob Karis

paper 70

Smart data management
High precision hydrography in Canada, ...
Assessing the Impact of INSPIRE on Related EU Marine Directives
Key elements of Remote Offshore Survey Operations
Maritime Source Data Collection, Management and Integration
The Development of New Data Quality Visualisation Methods ...

Simon Salter, Owen Cantrill, Frank Köster, Jani Pötrönen
Rob van Ree (session chair)
Travis Mason (National Oceanography Centre)
Alain de Wulf (University of Ghent)
Davy Depreiter (IMDC)
Duncan Mallace (NetSurvey)

Terje Thorsnes (session chair)
Richard Sanfaçon (Canadian Hydrographic Service)
Roger Longhorn (EUCC)
Boudewijn Possel (Fugro)
John Klippen (Jeppesen)
Sam Harper (UKHO)

paper 04
paper 40
paper 41
paper 55
paper 57

Innovations in processing techniques
Is Multibeam Water Column Data Really Worth the Disk Space?
Calibration of vessel mounted LIDAR
The Progression of Multi-Dimensional Water Column Analysis ...
River bed classification using multibeam echosounder backscatter data
Grid Models versus TIN ...

Maarten-Jan Theijis (session chair)
Lindsay Gee (QPS)
Nicolas Seube (ENSTA)
Andrew Hoggarth (CARIS)
Niels Kinneging (Rijkswaterstaat)
Alain de Wulf (University of Ghent)

paper 18
paper 60
paper 22
paper 21
paper 64

Tue 13 Nov, Queen's lounge, Atlantic Promenade, Glass Enclosed Promenade

10:55 exhibition opens
18:00 end of business

Tue 13 Nov, "Guadeloupe" main deck office room

14:00 tutorial 1
14:45 break
15:00 tutorial 2
15:45 break
16:00 tutorial 3
17:00 break
17:15 tutorial 4
18:00 end of business

How deep will the water be?

Simon Salter (Chersoft)

paper 08

The CARIS Engineering Analysis Module ...

Dagmar Kuil (CARIS)

paper 29

Open IHO Data Quality Working Group meeting

Leendert Dorst (vice-chairman)

High Resolution Multibeam Survey and Mobile Laser Scanning ...

Jani Pötrönen (Meritaito)

paper 39

Tue 13 Nov, 2e Katendrechtse Haven (across the parking lot)

14:00 demonstrations 1
18:00 end of business

survey vessels of Braveheart Shipping; Geometius; Stema Systems; Port of Rotterdam; Seabed

Tue 13 Nov, excursions

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

Wed 14 Nov, Theatre

9:00 session 4 welcome
9:05 keynote 2
9:35 oral 4.1
9:55 oral 4.2
10:15 oral 4.3
10:35 poster pitches
10:45 break
11:15 session 5 welcome

Accurate hydrodynamics I
40 years back and forth
Lowest Astronomical Tide in the North Sea ...
Accurate water levels using PREMO ...
Results of operational sea-wave monitoring with radar gauges
90 second pitches of today's poster presentations
Geophysics of the marine environment I

Leendert Dorst (session chair)
Steve Shipman (retired)
Cornelis Slobbe (Delft University of Technology)
Micheline Hounjet (Deltares)
Sebastian Rütten (BfG)
Richard Sanfaçon, John Klippen, José Bartolomeu Ferreira
Fontes, Lars Schiller, Nicolas Seube, Axel Annaert
Vera van Lancker (session chair)

paper 17
paper 52
paper 23

11:20 oral 5.1	Fluid mud density determination in navigational channels	Stijn Claeys (Flanders Hydraulic Research) & Ben Dierikx (Rijkswaterstaat)	paper 32
11:40 oral 5.2	Sediment waves: geohazard or geofeature?	Victoria Putans (P.P.Shirshov Institute of Oceanology RAS)	paper 42
12:00 oral 5.3	Quantified sea-bed dynamics of the Netherlands Continental Shelf ...	Sytze van Heteren (TNO)	paper 66
12:20 oral 5.4	Monitoring of silt content in sediments off the Dutch Coast	Koos de Vries (Medusa)	paper 01
12:40 oral 5.5	Application of high resolution acoustics ...	Coen Werner (Stema Systems)	paper 24
13:00	<i>lunch break</i>		
14:00	<u>session 6 welcome</u>		
14:05	keynote 3	Wilbert Brink (session chair)	
14:45 oral 6.1	Innovative Positioning System Integration ...	Mark Heine (Fugro)	paper 16
15:05 oral 6.2	INS aided subsurface positioning for ROV surveys	Bart-Jan Ruesink (Geocon)	paper 45
15:25 oral 6.3	Positioning Small AUVs for Deeper Water Surveys ...	Michiel van de Munt (Allseas)	paper 38
15:45	<i>break</i>	Tom Hiller (Teledyne)	
16:15	<u>session 7 welcome</u>		
16:20 oral 7.1	<u>Innovations in acquisition techniques</u>	Alain de Wulf (session chair)	
16:40 oral 7.2	Satellite remote sensing and coastal sediment monitoring ...	Henry Odunsi (Earth Info Services)	paper 02
17:00 oral 7.3	Utility of Airborne Lidar Bathymetry in Extreme ... Environments ...	Don Ventura (Fugro)	paper 69
17:20 oral 7.4	Hydrodynamic data from radar observations	Caroline Gautier (Deltares)	paper 31
17:40 oral 7.5	Deepwater Dredging and Maintenance in the Offshore industry	Ellen Stuifbergen (RESON)	paper 59
18:00	<i>end of business</i>	Huibert-Jan Lekkerkerk (Port of Rotterdam)	paper 19
Wed 14 Nov, Queen's lounge, Atlantic Promenade, Glass Enclosed Promenade			
9:00	exhibition opens		
10:45 poster 1.1	Backscatter "From ping to Database" ...	Richard Sanfaçon (Canadian Hydrographic Service)	paper 05
10:45 poster 1.2	Digital Mariners Routing Guide ...	John Klippen (Jeppesen)	paper 27
10:45 poster 1.3	Deepening of the Port of Santos – Brazil ...	José Bartolomeu Ferreira Fontes (Consórcio Draga Brasil)	paper 34
10:45 poster 1.4	A Comprehensive Definition and Systematic Subdivision of Hydrography	Lars Schiller (HafenCity University Hamburg)	paper 49
10:45 poster 1.5	International Cooperation in Education ...	Nicolas Seube (ENSTA)	paper 63
10:45 poster 1.6	Hydrographic Training in Belgium	Axel Annaert (Antwerp Maritime Academy)	paper 65
18:00	<i>end of business</i>		
Wed 14 Nov, "Guadeloupe" main deck office room			
15:00	tutorial 8	Integrated Bathymetric Data Management ...	Frank Köster (Hamburg Port Authority)
15:45	<i>break</i>		paper 33
Wed 14 Nov, 2e Katendrechtse Haven (across the parking lot)			
10:00	demonstrations 1	survey vessels of Braveheart Shipping; Geometius; Stema Systems; Port of Rotterdam; Seabed	
13:00	<i>lunch break</i>		
15:00	demonstrations 3	survey vessels of Braveheart Shipping; Geometius; Stema Systems; Port of Rotterdam; Seabed	
18:00	<i>end of business</i>		
Wed 14 Nov, excursions			
10:00	partner programme departs		
18:00	partner programme returns		
Wed 14 Nov, Odyssee Room			
19:00	conference dinner		
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Thu 15 Nov, Theatre			
9:00	<u>session 8 welcome</u>	<u>Geophysics of the marine environment II</u>	Thaienne van Dijk (session chair)
9:05	keynote 4	MAREANO - an integrated national seabed mapping program ...	Terje Thorsnes (Geological Survey of Norway)
9:45 oral 8.1	Sediment vs topographic micro-roughness ...	Ruggero Capperucci (University of Bremen)	paper 47
10:05 oral 8.2	High-resolution geophysical survey ...	Ane Wiersma (Deltares)	paper 48
10:25 oral 8.3	A lithological and morphological map ...	Mieke Mathys (IMDC)	paper 67
10:45	poster pitches	90 second pitches of today's poster presentations	José Bartolomeu Ferreira Fontes, John Klippen, Mark Bollen, Tom Hiller, Hugh Parker, Jesus Cisneros Aguirre
10:55	<i>break</i>		
11:15	<u>session 9 welcome</u>	<u>Accurate hydrodynamics II</u>	Niels Kinneging (session chair)
11:20 oral 9.1	The SBW Field Measurement Programme	Bart Spelt (Rijkswaterstaat)	paper 13
11:40 oral 9.2	High resolution topo-bathymetric and flow measurements ...	Yves Plancke (Antwerp Maritime Academy)	paper 25
12:00 oral 9.3	Creating a Current Atlas for the Port of Zeebrugge	Jeroen Aardoom (Aqua Vision BV)	paper 12
12:20 oral 9.4	Computer-aided quality assurance ...	Hartmut Hein (BIG)	paper 28
12:40 oral 9.5	A New Coastal Flood Forecasting System for the Netherlands	Simone de Kleermaeker (Deltares)	paper 44
13:00	<i>lunch break</i>		
14:00	<u>session 10 welcome</u>	<u>Hydrographic training & Careful marine planning II</u>	Steve Shipman (session chair)
14:05 oral 10.1	Inland Electronic Navigation Chart production ...	Jasmine Dumollin (Agency for Maritime and Coastal Services)	paper 20
14:25 oral 10.2	Degrees of success ...	Richard Thain (Plymouth University)	paper 07
14:45 oral 10.3	A new framework for the FIG/HO/ICA Standards of Competence ...	Gordon Johnston (Venture Geomatics)	paper 53
15:05 oral 10.4	Recruiting and Training for the Future ...	Derrick Peyton (IIC Technologies)	paper 09
15:25 oral 10.5	Towards more attractivity for hydrographic surveying course ...	Nicolas Seube (ENSTA)	paper 61
15:45	<i>end of business</i>		
Thu 15 Nov, Grand Ballroom			
16:15	<u>Closing ceremony welcome</u>	Thaienne van Dijk (Chairwoman Hydro12 OC)	
16:20	un événement joyeux	Joost Boers (Hydro12 OC)	
16:30	Best student paper award	Leeke van der Poel (Chairman HSB)	
16:35	Best paper award	Leeke van der Poel (Chairman HSB)	
16:40	announcement of Hydro13	Aubrey Price (Director IFHS)	
16:50	farewell	Thaienne van Dijk (Chairwoman Hydro12 OC)	
16:55	festive closure		
17:30	<i>end of business</i>		
Thu 15 Nov, Queen's lounge, Atlantic Promenade, Glass Enclosed Promenade			
9:00	exhibition opens		
10:45 poster 2.1	Survey and Dredge in ... Volcanic open sea Island ...	José Bartolomeu Ferreira Fontes (Consórcio Draga Brasil)	
10:45 poster 2.2	NHS – MINTEC, Print on demand system	John Klippen (Jeppesen)	
10:45 poster 2.3	Plume Measuring Techniques for Dredging Works: the SiltProfiler	Mark Bollen (IMDC)	
10:45 poster 2.4	Measuring Bathymetric Uncertainty of the Edgetech 4600 Sonar	Lisa Nicole Brisson (EdgeTech)	paper 37
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 ...	Jesus Cisneros Aguirre (University of Las Palmas)	
16:15	<i>end of business</i>		
Thu 15 Nov, "Guadeloupe" main deck office room			
9:30	Open course for hydrographic students	August Magnusson (Atlas Services)	
11:30	<i>end</i>		
Thu 15 Nov, 2e Katendrechtse Haven (across the parking lot)			
10:00	demonstrations 4	survey vessels of Braveheart Shipping; Geometius; Stema Systems; Port of Rotterdam; Seabed	
13:00	<i>lunch break</i>		
14:00	demonstrations 5	survey vessels of Braveheart Shipping; Geometius; Stema Systems; Port of Rotterdam; Seabed	
16:15	<i>end of business</i>		

Thu 15 Nov, excursions

10:00 partner programme departs
16:15 partner programme returns

Fri 16 Nov, "Guadeloupe" 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