



## Programme

# Management of massive point cloud data: wet and dry (2)

8 December 2015, 10-17 hours, TU Delft

**9:30 DOORS OPEN** (Peter van Oosterom, TU Delft, chair of the day)

### 10:00 SESSION 1

- Rogier Broekman (Hydrografische Dienst) and Niels Nijhuis (Caris): From point cloud to bathymetric digital elevation model
- Wilbert Brink (Fugro): Overview of techniques to collect subsea point cloud data
- Edward Verbree (TU Delft): Connecting indoor and outdoor - Insight through explorative point clouds (MSc Geomatics Synthesis project)

### 11:00 COFFEE/THEA BREAK

### 11:30 SESSION 2

- Romulo Gonçalves (NL eScience Center), Kostis Kyzirakos (CWI) and Dimitar Nedev (MonetDB Solutions): LiDAR data exploration boosted by a column-store
- Albert Godfrind and Mike Horhammer (Oracle): Oracle support options for point clouds
- Theo Tijssen (TU Delft): Point cloud data management benchmark: Oracle, PostgreSQL, MonetDB, and LAStools
- Oscar Martinez Rubi (NL eScience Center): The AHN2 3D web viewer and download tool

### 12:50 LUNCH

### 13:50 SESSION 3

- Martin Kodde (Fugro): Massive point cloud processing in the cloud
- George Vosselman (University of Twente): Automated extraction of 3D building models and street furniture from point clouds
- Xuefeng Guan (Wuhan University, China): Parallel streaming Delaunay triangulation for LiDAR
- Wiebe de Boer and Fedor Baart (Deltares): Point clouds in the Delta

### 15:10 COFFEE/THEA BREAK

### 15:40 SESSION 4

- Dick ten Napel (RWS): Wet and dry point cloud acquisition and applications within RWS
- Milan Uitentuis and Mark Terlien (IntellinQ): Managing and processing massive amounts of maritime point cloud data with GeolinQ
- Bart De Lathouwer (OGC): Reporting from the OGC Point Cloud DWG

**16:40-17:00 CLOSING DISCUSSION/PROPOSITIONS** (followed by drinks)