

September 7th 2020 – Pre-Conference Talks

1Spatial – 1.30pm – 2.00pm - Realworld 4D: Leverage your BIM data with GIS	2
Oracle – 2.00pm – 3.00pm – Oracle Point Clouds	3
Welcome and Icebreaker – 3.00pm – 4.30pm	4

3DGeoInfo and the BIM GIS Workshop are co-organised by [UCL Civil Environmental and Geomatic Engineering](#) and [Ordnance Survey](#), and sponsored by [1Spatial](#), [EuroSDR](#) and the [ISPRS International Journal of Geo-Information](#)



[1Spatial – 1.30pm – 2.00pm - Realworld 4D: Leverage your BIM data with GIS](#)

Presenter: Bruno Scott, Realworld 4D Product Owner at 1Spatial

Abstract: With this presentation, you will see how Realworld 4D uses BIM and GIS together to get the most out of your BIM Data. Realworld 4D internally use MongoDB (a NoSQL database) for fast 3D data access but the most important thing is that it also synchronises BIM data to a standard SQL database like PostGIS, Sqlserver or Oracle. Any of your favourite SQL tools (1Integrate, ArcGIS, QGIS, Jasper, ...) can now access your BIM Data!

These are some of the features that will be demonstrated:

- Easy integration of new IFC Model
- Locate, search, visualize and filter BIM Data
- Seamless 2D and 3D navigation
- IFC Files extraction
- BIM Data edition

Bio: Bruno Scott is Product Owner for all BIM/FM products at 1Spatial. Back in 1991 when he achieved his computer science degree at the university of Montreal, Bruno moved to France and started to work at Geomap Systems. Founder of the Geomap Canadian office in 1998 he moved back to France in 2003 to take the lead of all software developments. He has now over 30 years of experience in BIM/CAD and GIS software development, dealing with as different type of businesses as Facility Management, Water management and Transportation.

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[Oracle – 2.00pm – 3.00pm – Oracle Point Clouds](#)

Presenter: Mike Horhammer, Consulting Member of Technical Staff, Oracle

Abstract: This Oracle Point Cloud tutorial introduces Oracle Spatial & Graph Point Cloud support to enable the storage, management, and analysis of very large point data sets. Other Oracle Spatial & Graph data types are briefly mentioned, including GeoRaster, TINs, or SDO_GEOMETRY vectors.

Point clouds support highly scalable management of very large point data sets, and can be adapted to applications, with alternative storage models. The blocked models (R-tree and Hilbert R-tree), the Flat point cloud model, and the Hybrid Hilbert model vary in attribute storage, attribute flexibility, compression availability, and creation performance. Analytical features, such as contour line generation are described, as well as general features, such as compression and coordinate system support.

Bio: Mike Horhammer has been working in Oracle Spatial & Graph, since 1999, most recently on projects including Point Clouds, TINs, 3D vectors, city models, and coordinate reference systems. Before Oracle, Mike got his Ph.D. in Computer Science, at UC Santa Barbara, 1999.

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Welcome and Icebreaker – 3.00pm – 4.30pm

A gentle welcome to the conference and an opportunity to meet fellow conference attendees, compete in our opening quiz, find out what to expect from the rest of the event and get to know the remo.co platform.

**** Bring a drink – a cup of tea or coffee or maybe something stronger ****

**** Note that timings are approximate ****

Start Time	End Time	Activity	Who
3.00pm	3.05pm	Settle at your table, chat with others and explore the remo.co platform – see if you can find your friends or people you want to meet	All
3.05pm	3.15pm	Welcome to the conference, and a quick overview of what to expect and how to make the best of the event	Claire Ellul
3.15pm	3.25pm	Ice breaker – get to know fellow participants.	Claire Ellul
3.25pm	3.30pm	Move tables and find your friends for the quiz	All
3.30pm	3.45pm	Quiz	Jeremy Morley
3.45pm	4.00pm	Networking	All
4.00pm	4.15pm	Quiz – answers	Jeremy Morley
4.15pm		Toast to the event	All

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