


Start Time	End Time	Monday 7th September	Networking
All times British Summer Time		Pre Event Talks	
		Pre-Event Talks 1	
1.30pm	2.00pm	1Spatial	
2.00pm	3.00pm	Oracle	
3.00pm	4.30pm	Welcome and Icebreaker 	

BIM/GIS Integration Workshop - Programme

Start Time	End Time	Tuesday 8th September	
All times British Summer Time		BIM GIS Integration Workshop	
Session 1 - Chair			
Mohsen Kalantari		Fundamentals of BIM and GIS Integration	
8.30am	8.40am	Welcome	
8.40am	9.00am	#12 A structure of UML profiles for modelling of geospatial information in GIS, ITS and BIM	
9.00am	9.20am	#17 The need for a differentiation between heterogeneous information integration approaches in the field of "BIM-GIS Integration": a literature review	
9.20am	9.40am	#41 Automatic Conversion of CityGML to IFC	
9.40am	10.00am	#73 Towards a canonical mapping for IFC-CityGML data integration	
10.00am	10.30am	Break	
Session 2 - Chair Filip			
Biljecki		Keynote and Applications of BIM and GIS Integration 1	
10.30am	11.15am	Keynote: Anne Kemp	
11.15am	11.35am	#15 A review of digital twin developments in Australia	
11.35am	11.55am	#81 The EuroSDR GeoBIM Project - Developing Case Studies for the Use of GeoBIM In Practice	
midday	1.00pm	Break	
Session 3 - Chair		Applications of BIM and GIS Integration 2	
George Floros		Sponsored by 1Spatial	
1.00pm	1.20pm	#7 An Integrated BIM-GIS Platform for Representing and Visualizing 3D Cadastral Data	
1.20pm	1.40pm	#34 Reconciling City Models With BIM in Knowledge Graphs: A Feasibility Study of Data Integration for Solar Energy Simulation	
1.40pm	2.00pm	#49 Impact of Information Management During Design & Construction on Downstream BIM-GIS Interoperability for Rail Infrastructure	
2.00pm	2.20pm	#64 Knowledge Modelling for Heritage Conservation Process: From Survey To HBIM Implementation	
2.30pm	3.00pm	Break	
Session 4 - Chair		Applications of BIM and GIS Integration 3	
1Spatial Phillip Ridley		1Spatial FME Session	
3.00pm	3.20pm	#28 BIM and GIS integration for infrastructure asset management: a literature review	
3.20pm	3.40pm	#30 GeoBIM for digital building permit process: learning from a case study in Rotterdam	
3.40pm	4.30pm	FME and 3D data (with interactive game) - 1Spatial	

Networking



3DGeoinfo 2020 - Programme

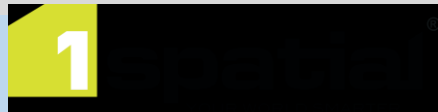
Start Time	End Time	Wednesday 9th September	
All times British Summer Time		3DGeoinfo - Day 1	
Session 5 - Chair Efi Dimopoulou			
		Users and Use Cases 1 - Planning Permits and Cadastral Systems	
8.30am	8.40am	Welcome	
8.40am	9.00am	#18 Indoor Localisation for 3D Mobile Cadastral Mapping 3D Indoor Mobile Cadastral Mapping Using Machine Learning Techniques	
9.00am	9.20am	#25 3D Viewpoint Optimization of Topological Relationships: Application to 3D Cadastre for Visual Easement Validation	
9.20am	9.40am	#51 Application of laser scanning in creating 3D cadastre UML model for underground historical objects – case study of Rzeszów (Poland)	
9.40am	10.00am	#71 Modelling Land-Use Regulation Conflicts with 3D Components to Support Issuing a Building Permit	
10.00am	10.30am	Break	
Session 6 - Chair Jeremy Morley			
		Keynote; Users and Use Cases 2 - Applications	
10.30am	11.15am	Keynote: Polly Hudson	
11.15am	11.35am	#9 Combined modelling of multiple transportation infrastructures within 3D city models	
11.35am	11.55am	#13 Life Cycle Assessment of Technical Building Services of Large Residential Building Stocks Using Semantic 3D City Models	
midday	1.00pm	Break	
		Users and Use Cases 3 - Underground	
Session 7 - Chair Debra Laefer			
		Sponsored by 1Spatial	
1.00pm	1.20pm	#3 Data Modeling for Operation and Maintenance of Utility Networks: Implementation and Testing	
1.20pm	1.40pm	#50 U-Route - Leading Edge Network Utility Design	
1.40pm	2.00pm	#55 Ontology-Based Rule Compliance Checking for Subsurface Objects	
2.00pm	2.20pm	#79 Modular Approach to 3D Representation of Underground Infrastructure in the Model for Underground Data Definition and Integration (MUDDI)	
2.30pm	3.00pm	Break	
		Users and Use Cases 4 - Applications; Panel Session	
Session 8 - Chair Rollo Home			
		Sponsored by Ordnance Survey	
3.00pm	3.20pm	#16 A Semantically enriched and Web-based 3D energy model visualization and retrieval for smart building implementation using CityGML and Dynamizer ADE	
3.20pm	3.40pm	#20 A spatio-temporal web application for the understanding of the formation of the parisian metropolis	
3.40pm	4.30pm	Panel Session	



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3DGeoinfo 2020 - Programme

Start Time		End Time		Thursday 10th September	
All times British Summer Time				3DGeoinfo - Day 2	
Session 9a and 9b		AR/VR - Chair Sisi Zlatanova		Point Clouds 1 - Chair Rudi Stouffs	
8.30am	8.50am	#23 Interacting with 3D Models - 3D-CAD vs. Holographic Models		#48 An Optimized SFC Approach for ND Window Querying on Point Clouds	
8.50am	9.10am	#39 3D Virtual Models for an Early Education Serious Gaming Application		#58 The virtualization of CH for historical reconstruction: the AR fruition of the fountain of St. George Square in La Valletta (Malta)	
9.10am	9.30am	#56 Interactive geo-information in virtual reality – observations and future challenges		#66 Visualization of Point Cloud Models in Mobile Augmented Reality using Continuous Level of Detail Method	
9.30am	9.50am	#62 Architectural Virtual Heritage: Case Studies in Australia and Japan		#72 4D GIS For Monitoring Riverbank Retreat At Meander Bend Scale: Case of Moselle River	
10.00am	10.30am	Break			
Session 10a and 10b		Visualisation - Chair Kelvin Wong		Point Clouds 2 - Chair Thomas Kolbe	
10.30am	10.50am	#2 Visualising detailed CityGML and ADE at a building scale		#11 Automatic detection and characterization of ground occlusions in urban point clouds from Mobile Laser Scanning data	
10.50am	11.10am	#22 CityJSON + Web = ninja		#32 Unsupervised Segmentation of Massive Point Clouds	
11.10am	11.30am	#24 Visual Analytics Web Platform for Detecting High Wind Energy Potential in Urban Environments by Employing OGC Standards		#54 Graph CNN with Radius Distance for Semantic Segmentation of Historical Buildings TLS Point Clouds	
11.30am	11.50am	#35 Multi-threaded rendering for cross-platform 3D visualization based on Vulkan API		#67 3D Mathematical Morphology for Room Segmentation in Point Clouds	
midday	1.00pm	Break			
Session 11 - Chair Jacynthe Pouliot		Indoor 3D			
		Sponsored by 1Spatial			
1.00pm	1.20pm	#6 Are Your IndoorGML Files Valid?			
1.20pm	1.40pm	#8 Two New Pedestrian Navigation Path Options based on Semi-indoor Space			
1.40pm	2.00pm	#42 Evaluation of Mobile Mapping Systems for Indoor Surveys			
2.00pm	2.20pm	#63 Integration of IoT Sensors to 3D Indoor Models with IndoorGML			
2.30pm	3.00pm	Break			
Session 12 - Chair Rollo Home		OS Tour			
3.00pm	3.20pm				
3.20pm	4.30pm				



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3DGeoinfo 2020 - Programme

Start Time	End Time	Friday 11th September	
All times British Summer Time		3DGeoinfo - Day 3	
Session 13 - Chair			
Volker Coors		3D Data Creation	
8.30am	8.50am	#27 Exploration of open data in Southeast Asia to generate 3D building models	
8.50am	9.10am	#40 Future 3D view of land and property information in Northern Ireland	
9.10am	9.30am	#44 Photogrammetric 3D Information Systems for the Management of Models of Cultural Heritage	
9.30am	9.50am	#76 Transforming Authoritative 2D data to a 3D world	
10.00am	10.30am	Break	
		NMCA/EuroSDR 1	
Session 14 - Chair			
Joep Cromptvoets			
10.30am	11.15am	Keynote: Jantien Stoter	
11.15am	11.35am	#21 A Multi-Perspective Approach to Interpreting Spatio-Semantic Changes of Large 3D City Models in CityGML Using a Graph Database	
11.35am	11.55am	#52 Generating, storing and disseminating a countrywide 3D model	
midday	1.00pm	Break	
		NMCA/EuroSDR 2	
Session 15 - Chair			
Claire Ellul			
1.00pm	1.20pm	#31 National 3D City Model Production	
1.20pm	1.40pm	#69 Integrating Expertise, Goals and Data For Digital Building Permits – The EUNET4DBP	
1.40pm	2.00pm	#78 The Economics of 3D Geospatial Information	
2.00pm	2.20pm	#84 Semantic Comparison of 3D City Datasets and Mapping to Geospatial Ontologies	
2.30pm	3.00pm	Closing and Prizes	

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