

## Scientific Presentations

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- Unlocking point cloud potential: Fusing MLS point clouds with semantic 3D building models while considering uncertainty** 11.10.2021  
*The International Society for Photogrammetry and Remote Sensing (ISPRS)*  
*16th 3D GeoInfo Conference 2021*  
*New York (online), United States of America*
- TUM-FAÇADE: Reviewing and enriching point cloud benchmarks for façade segmentation** 03.03.2022  
*The International Society for Photogrammetry and Remote Sensing (ISPRS)*  
*9th International Workshop 3D-ARCH "3D Virtual Reconstruction and Visualization of Complex Architectures"*  
*Mantova, Italy*
- Enriching 3D building models by façade elements based on point clouds and confidence intervals** 13.05.2022  
*Division on Geoinformatics of the German Geodetic Commission*  
*PhD Colloquium of the DGK Section on Geoinformatics 2022*  
*Braunschweig, Germany*
- Plastic surgery for 3D city models: A pipeline for automatic geometry refinement and semantic enrichment** 10.06.2022  
*International Society for Photogrammetry and Remote Sensing XXIV ISPRS Congress*  
*Nice, France*
- Combining Visibility Analysis and Deep Learning for Refinement of Semantic 3D Building Models by Conflict Classification** 21.10.2022  
*University of New South Wales*  
*7 th Smart Data Smart Cities and 17 th 3D GeoInfo Joint International Conference*  
*Sydney, Australia*
- Plastic surgery of 3D building models for testing automated driving** 30.11.2022  
*ASAM e.V.*  
*ASAM International Conference 2022*  
*Dresden, Germany*

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- Enriching 3D building models using point cloud geometry and image semantic** 22.03.2023  
*Deutsche Gesellschaft für Photogrammetrie, Fernerkundung und Geoinformation e.V.*  
*Die 43. wissenschaftlich-technische Jahrestagung der Deutschen Gesellschaft für Photogrammetrie, Fernerkundung und Geoinformation (DGPF)*  
*München, Germany*
- Reconstructing LoD3 building models using ray casting and semantic segmentation** 15.06.2023  
*Wrocław University of Science and Technology*  
*Conference of PhD Students and Young Scientists*  
*Wrocław (online), Poland*
- Scan2LoD3: Reconstructing Semantic 3D Building Models at LoD3 Using Ray Casting and Bayesian Networks** 19.06.2023  
*IEEE/CVF Conference on Computer Vision and Pattern Recognition*  
*Photogrammetric Computer Vision Workshop, in conjunction with IEEE/CVF Conference on Computer Vision and Pattern Recognition 2023*  
*Vancouver, Canada*
- Building reconstruction using point clouds** 06.09.2023  
*Ordnance Survey*  
*3D PhD Programme*  
*Southampton, United Kingdom, UK*
- MLS2LoD3: Refining low LoDs building models with MLS point clouds to reconstruct semantic LoD3 building models** 14.09.2023  
*the Technical University of Munich*  
*18th International 3DGeoInfo Conference*  
*Munich, Germany*
- Semantic 3D building reconstruction at level of detail 3 using mobile mapping data** 03.11.2023  
*Leonhard Obermeyer Center*  
*LOC Center Day 2023*  
*Munich, Germany*
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