





Open-Source Photogrammetry in Close-Range Applications



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About the Talk:

Open-source photogrammetric computer vision techniques for close range images offer a wealth of opportunities for research, development, and practical applications. The accessibility, flexibility, and collaborative nature of open-source software enable the advancement of photogrammetric processing, making it an invaluable resource for the remote sensing and geospatial communities. This tutorial discusses key components of open-source photogrammetric computer vision pipelines, including camera calibration, feature extraction and matching, image alignment, dense point cloud generation, and 3D reconstruction.

Key Takeaways:

- This tutorial in all will provide brief yet state of the art techniques to utilize photogrammetric principles using open-source tools.
- These techniques for close range images offer a wealth of opportunities for research, development, and practical applications.
- Processing the vast amount of data captured by any device (smartphones or low cost off-the shelf cameras installed on UAVs) in close range or terrestrial applications.

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