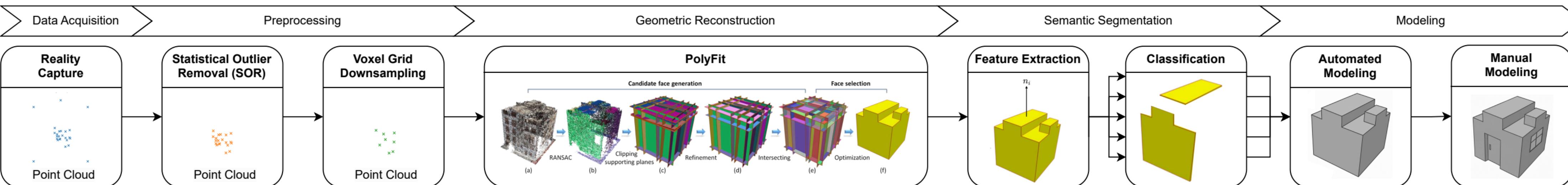


Automating Scan-to-BIM for Telecom Site Planning Framework

Bachelor Thesis | Jeffrey Leisi | 2025



$$\text{SurfaceType}(n_i) = \begin{cases} \text{Wall}, & \text{if } |\hat{z}_i| \approx 0 \\ \text{Slab}, & \text{if } \sqrt{\hat{x}_i^2 + \hat{y}_i^2} \approx 0 \\ \text{Roof}, & \text{otherwise} \end{cases}$$