

Computational Advisor/Weekly Group Meeting Summary – 3/20/2025

1. Meeting Schedule Update

- The computational advisor meetings will be merged into the regular Wednesday meetings, occurring every other week.

2. File Sharing and Registration Work

- Philip mentioned he would send an email with the file for the non-rigid registration work.
- The registration pipeline is heavily based on existing methods.

3. Code Review and Next Steps

- Prakhar will review the code and ask about design decisions in the next meeting.
- He is particularly interested in understanding why certain features were used and wants to see visual results.
- Prakhar noted that RANSAC is an important first step but needs further exploration.
- He raised questions about specific features used in RANSAC and their necessity.

5. Plan for Next Week

- The team will reconvene next week for further discussion.
- Philip confirmed that he took histogram features from an Open3D tutorial as they are a built-in method for feature matching.
- Shuyu will send additional notes on the Jupyter Notebook used and justification for certain steps
- The team aims to push forward with their current approach before considering alternative methods.