Model-based Initialization of a SLAM System
Summer Bachelor Project

Objective:
You should implement an automatic initialization approach for the PTAMM SLAM tracking, using 3D scans of real objects. The resulting application will initialize the SLAM tracking with the object-centred coordinate system.

Qualifications:
- Good programming skills (C++, Unity)
- Computer Vision knowledge is advantageous
- Ability to work independently

Information:
- PTAMM: http://www.robots.ox.ac.uk/~bob/research/research_ptamm.html
- Video: https://youtu.be/NTLQAb6zH1c
- Source Code: http://www.robots.ox.ac.uk/~bob/software/

Contact ICG:
Peter Mohr-Ziak
mohr@icg.tugraz.at