Project Group Picture
Final Presentation

Group 9

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Idea Revisited

• Take aerial group pictures
• a fresh perspective
• unobstructive
Status Update

- Rotate hovering drone
- Identify faces in a room
- Calculate ideal camera pose
- Fly to ideal camera pose
- Smile detection to trigger picture taking
Face- / Smiledetection
Sadly nobody wanted to be the test person …
Double checking the face poses
Groups of faces
But in real life
Demo Video
Lessons Learned

- Everything depends on the precision of the positioning and the position controller
- Better solutions are needed to reduce the lag of the controller
- Facedetection cascades should be retrained with some more negatives (windows, roller blinds, office chair legs)
Feedback