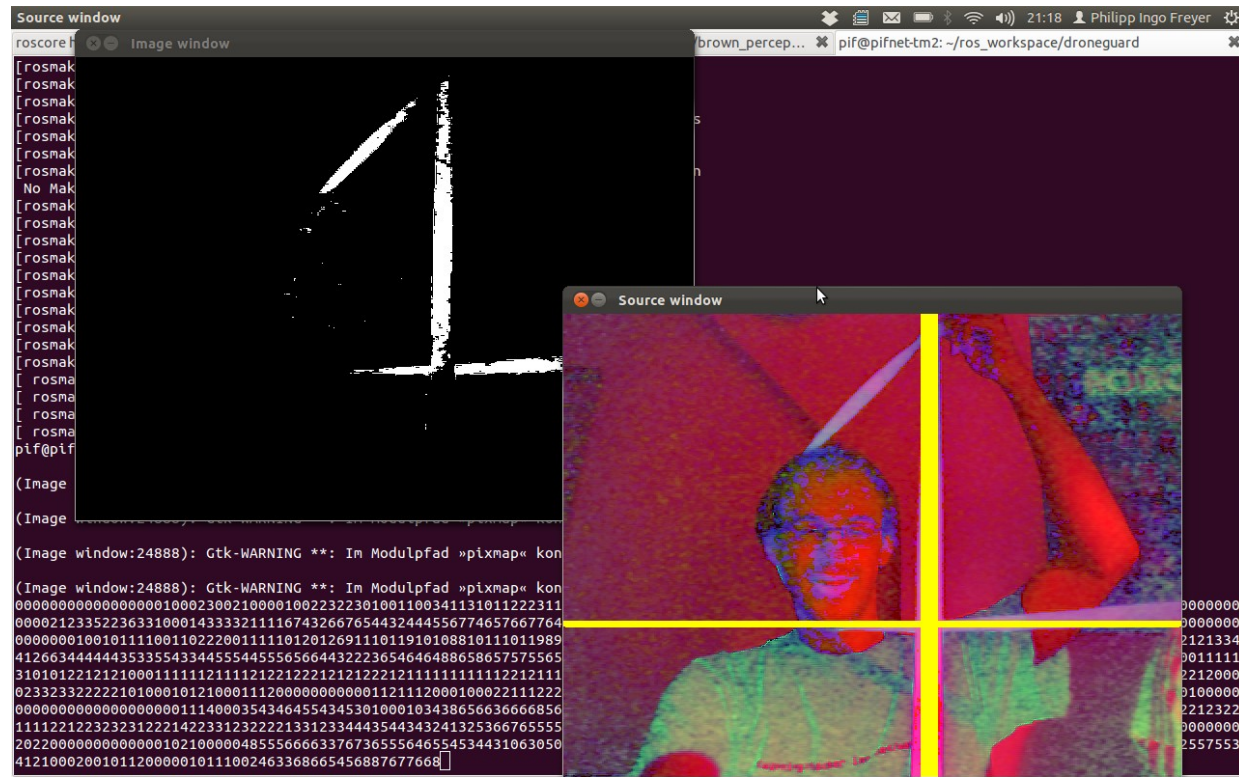


Topic Motivation

- Use AR drone for building surveillance
- Addition to existing watchmen
- Fly a predefined path through a building
- Videostram of the drone's camera image to the guard-room
- Take pictures of points of interest for security archive
- Learns map of the route for case of occluded waypoints

Done so far

- Read image stream into OpenCv images
- Find red lines in the image
- Extract vector path from lines
- Concept for Map
- Implemented basic control node



What comes next?

- Actually follow the line
- Find crossways
- Send waypoints out of EKF to Map
- Implement battery monitor
- Include ar_recog for marker recognition
- Include marker database for EKF position correction