Drone Navigation and Delivery

Drones are all the rage; they can improve your selfie-game, deliver your toilet paper, and even carry around people. There are several different manufacturers that make great off the shelf hardware. However, these platforms often lack flexibility.

In this project we want to use the px4\textsuperscript{1} open source framework to build our own drones and firmware. We are especially interested in solving problems surrounding drone delivery, accurate target finding and aerial photography. There is also the possibility to include machine learning techniques, e.g., for vision based tasks. The details of the project will depend on the student’s interests and skills. If this sounds interesting to you, do not hesitate to contact us.

**Requirements:** Interest in software and hardware. Creativity.

**Interested? Please contact us for more details!**

**Contacts**

- Gino Brunner: brunnegi@ethz.ch, ETZ G63
- Yuyi Wang: yuwang@ethz.ch, ETZ 94
- Simon Tanner: simtanner@ethz.ch, ETZ G97
- Manuel Eichelberger: manuelei@ethz.ch, ETZ G97

\textsuperscript{1}http://px4.io/