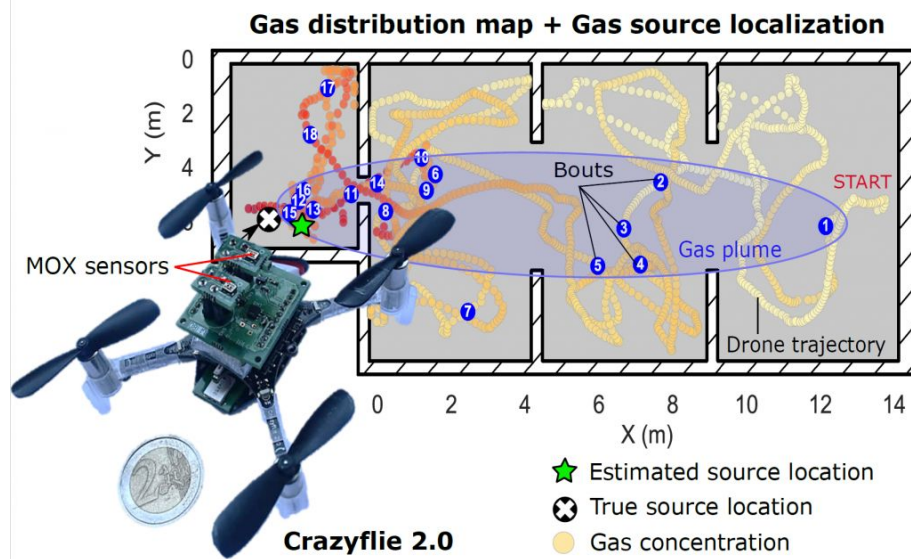


LPS Example projects

Gas source localization and mapping

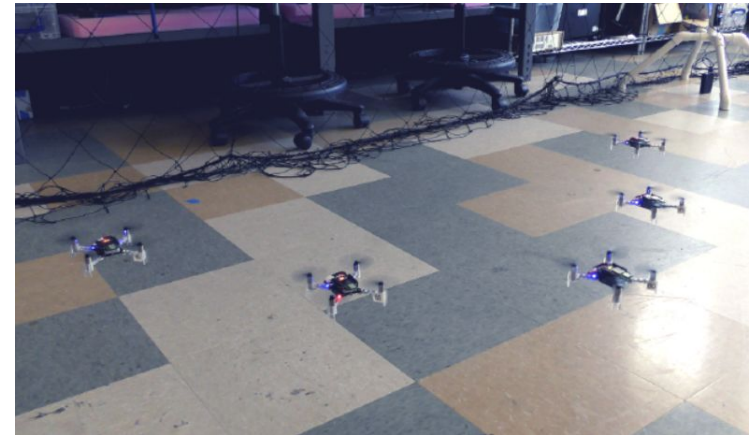
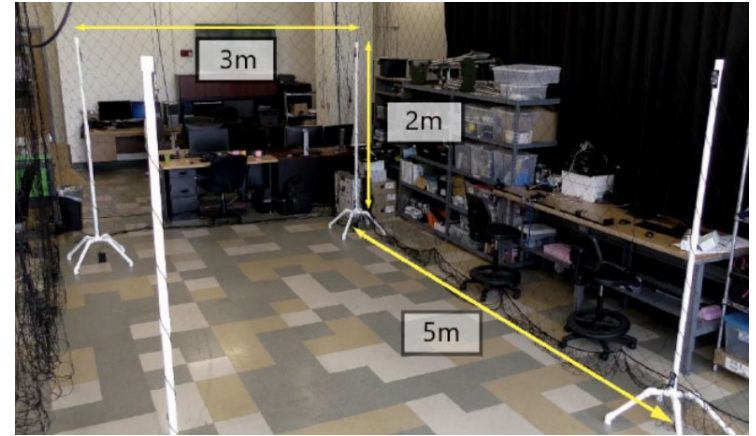
- Javier Burgués at The Barcelona Institute of Science and Technology
- Research to find a gas source using a Crazyflie¹
- LPS used for positioning
- <https://www.bitcraze.io/2019/02/using-the-cf2-for-gas-source-localization-and-mapping/>



¹Burgués, Javier, et al. "Smelling Nano Aerial Vehicle for Gas Source Localization and Mapping." *Sensors* 19.3 (2019): 478..

Multi agent research

- Experimental Validation of a Distributed Control Approach Based on Multiplex Networks on Formations of Unmanned Aerial Vehicles¹
- J Jaramillo, T Wiecezorek, D Tran, V S Dadi, T Yucelen, S Chellappan
University of South Florida



¹Jaramillo, Jesse, et al. "Experimental Validation of a Distributed Control Approach Based on Multiplex Networks on Formations of Unmanned Aerial Vehicles." *AIAA Scitech 2019 Forum*. 2019.

Ben Kuperberg

- Circus / magic



Tracking of ground vehicles

- A customer wanted to track vehicles on the ground
- 2D positioning
- 90 x 30 meters
- Experiments on a go-kart track
- Initiated the creation of the Roadrunner, 2D positioning and TDoA3

