DANIEL HENTZEN

## EDUCATION



SKILLS	(*** proficient, ** intermediate, * basic knowledge)
Languages:	C/C++***, Python**, JavaScript**, MATLAB/Simulink***, Bash**.
Frameworks:	ROS***, Vue.js*, Express.js*.
Libraries:	STL***, Eigen**, OpenCV*.
CAD/CAE:	Siemens NX, Ansys, CD Adapco StarCCM+.
Spoken languages:	English, French, German (all high proficiency), Luxembourgish (native).

## PUBLICATIONS

JOURNALS

- 1. D. Malyuta, C. Brommer, **D. Hentzen**, T. Stastny, R. Siegwart, and R. Brockers, "Long-Duration Fully Autonomous Operation of Rotorcraft UAS for Remote-Sensing Data Acquisition," *Journal of Field Robotics*, 2019
- D. Hentzen, M. Kamgarpour, M. Soler, and D. Gonzalez-Arribas, "On maximizing safety in stochastic aircraft trajectory planning with uncertain thunderstorm development", *Aerospace Science and Technology*, vol. 79, pp. 543-553, 2018

Conference Proceedings

- 3. D. Hentzen, T. Stastny, R. Siegwart, R. Brockers, "Disturbance Estimation and Rejection for High-Precision Multirotor Position Control," in *IEEE Intelligent Robots and Systems (IROS)*, Macao, China, 2019
- 4. C. Brommer, D. Malyuta, **D. Hentzen**, and R. Brockers, "Long-Duration Autonomy for Small Rotorcraft UAS including Recharging," in *IEEE Intelligent Robots and Systems (IROS)*, Madrid, Spain, 2018
- D. Gonzalez-Arribas, D. Hentzen, M. Sanjurjo-Rivo, M. Kamgarpour, and M. Soler, "Optimal Aircraft Trajectory Planning in the Presence of Stochastic Convective Weather Cells," in 17th AIAA Aviation Technology, Integration, and Operations Conference, Denver, CO, 2017