장도현

Dohyun Jang

Contact: Tel) +82-10-4165-5932, e-mail) dohyun@snu.ac.kr, website) https://dohyunjang.me

RESEARCH INTERESTS

Model predictive control/ multirotor control/ networked control systems/ reinforcement learning

EDUCATION

2019.03 ~ present, M.S. Student, Aerospace Engineering, Seoul Nat'l Univ., Seoul, Korea (Advisor: H. Jin Kim)

2017.03 ~ 2019.02, M.S. Student, Aerospace Engineering, Seoul Nat'l Univ., Seoul, Korea (Advisor: H. Jin Kim)

2017.02, B.S., Electrical Engineering, Korea Univ., Seoul, Korea (Advisor: Soo Won Kim)

PUBLICATIONS

<International conference>

- Dohyun Jang, Clark Youngdong Son, Jaehyun Yoo, H. Jin Kim*, Karl H. Johansson, "Efficient networked UAV control using event-triggered predictive control", Joint 8th IFAC Symposium on Mechatronic Systems and 11th IFAC Symposium on Nonlinear Control Systems, Vienna, Austria, 2019

- Dohyun Jang, Jaehyun Yoo, Clark Youngdong Son, H. Jin Kim, Karl H. Johansson, "Networked operation of a UAV using Gaussian process-based delay compensation and model predictive control", 2019 International Conference on Robotics and Automation (ICRA), Montreal, Canada, 2019

- Dohyun Jang, Jaehyun Yoo, and H. Jin Kim, "Tracking Control of a Multirotor UAV in a Network Environment with Time-Varying Delay", 2018 18th International Conference on Control, Automation and Systems (ICCAS), PyeongChang, Korea, 2018

PROJECT

SAMSUNG Research: 2017.08.30~2018.03.30, development of autonomous flight UAV – H/W Platform development and control

Skills

- Programming: C++/ MATLAB / ROS / Python