August 2017 — Ph.D. Start

October 1st, 2018 — Qualifying Exam

December 9th, 2020 — Comprehensive Exam

September 15th, 2018 — "Integrity risk-based model predictive-control for mobile robots" Submitted to IEEE-ICRA 2019- conference, Montreal, Canada.

September 10th, 2019 — "Quantifying robot localization-safety: A new integrity monitoring method- for fixed-lag smoothing" Submintted to- IEEE-RA-L Journal- with ICRA 2020- conference, Paris, France.

February 3ed, 2020 — "On Robot Localization Safety for- Fixed-Lag Smoothing: Quantifying- the Risk of Misassociation" Submintted to IEEE/ION PLANS 2020 conference, Oregon, USA.

January 15th, 2020 — Submit "How Safe is Particle Filter Localization- for Autonomous Vehicles? An Analytical Approach", to Science Robotics Journal, 2021.

March 1st, 2021 — Submit "Quantifying the risk of data-association- failures for mobile robot localization via solution seperation-based fixed-lag smoothing" to IEEE-RA-L Journal with IROS 2021- conference, Prague, Czech Republic.

June 1st, 2020 — Submit "Quantifying localization Safety- for Graph-SLAM", to IEEE Transactions- in Robotics Journal, 2021.

September 15th, 2021 — Submit "Quantifying localization Safety- for mobile robots utilizing Expectation- Maximization for data association", to IEEE-RAL Journal wtih ICRA 2022- conference, Philadelphia, USA

December 9th, 2021 — Thesis Defense

Thesis Preparation