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Education

- Ph.D. Student in Aeronautics & Astronautics, University of Washington, Seattle (present)
- B.Sc.Eng in Mathematics and Engineering, Applied Mechanics, Queen's Univeristy, Canada (2016)

Research Interests

- Control and Optimization Theory
- Model Predictive Control & Convex Optimization approaches to spacecraft GN&C
- Dual quaternion based 6 DoF guidance and control
- Autonomous space operations & asteroid landing
- Spacecraft formation flight
- DubSat1 Project: <http://uwsatellite.com>

Publications

- T. Reynolds and M. Mesbahi, "Small Body Precision Landing via Convex Model Predictive Control", AIAA Space Conference, Orlando, FL, 2017.
- U. Lee, T. Reynolds, B. Barzgaran, M. Hudoba de Badyn, J. Chrisope, A. Adler, K. Kaycee and M. Mesbahi, "Development of Attitude Determination and Control Subsystem for 3U CubeSat with Electric Propulsion", AIAA Space Conference, Orlando, FL, 2017.

Teaching

- Teaching Assistant:
 - ? AA 320/321/322 Aerospace Instrumentation & Laboratories, University of Washington (2016-2017)
 - ? MTHE 174 Linear Algebra, Queen's University (2016)
 - ? ELEC 210 Introduction to Circuits, Queen's University (2015)

Awards

- NSERC Postgraduate Scholarship - Doctoral (present)
- NSERC Canadian Graduate Scholarship - Master's (2016, declined)
- *Canadian Interuniversity Sport Academic All-Canadian* (2014, 2015, 2016)
- *Queen's University Dean's Scholar* (2013, 2014, 2015, 2016)
- *Investor's Group Clayton Johnston Scholarship* (2013)