

## Derek Knowles

- Ph.D. Student in Mechanical Engineering, admitted Spring 2021
- Ph.D. Minor, Computer Science
- Masters Student in Mechanical Engineering, admitted Spring 2020
- Writing Tutor, School of Engineering - Technical Communications Program

### Publications

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#### PUBLICATIONS

- **Multirobot Navigation Using Partially Observable Markov Decision Processes with Belief-Based Rewards** *JOURNAL OF AEROSPACE INFORMATION SYSTEMS*  
Tzikas, A. E., Knowles, D., Gao, G. X., Kochenderfer, M. J.  
2023
- **Euclidean Distance Matrix-Based Rapid Fault Detection and Exclusion** *NAVIGATION-JOURNAL OF THE INSTITUTE OF NAVIGATION*  
Knowles, D., Gao, G.  
2022; 70 (1)
- **Euclidean Distance Matrix-based Rapid Fault Detection and Exclusion**  
Knowles, D., Gao, G., INST NAVIGAT  
INST NAVIGATION.2021: 3382-3391