

# Stanford

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## Alexandros Tzikas

- Ph.D. Student in Aeronautics and Astronautics, admitted Autumn 2021
- Masters Student in Aeronautics and Astronautics, admitted Winter 2022
- 📄 Curriculum Vitae available Online

### Bio

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#### HONORS AND AWARDS

- Onassis Foundation Scholarship Recipient, Onassis Foundation (07/23/2021)

#### EDUCATION AND CERTIFICATIONS

- Undergraduate, Aristotle University of Thessaloniki , Electrical and Computer Engineering (2020)

#### LINKS

- Google Scholar: [https://scholar.google.com/citations?user=G8nm\\_ycAAAAJ&hl=en&oi=ao](https://scholar.google.com/citations?user=G8nm_ycAAAAJ&hl=en&oi=ao)
- LinkedIn: <https://gr.linkedin.com/in/alexandrostzikas>

### Research & Scholarship

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#### LAB AFFILIATIONS

- Mykel Kochenderfer, Stanford Intelligent Systems Laboratory (1/3/2022)
- Grace Gao, Navigation and Autonomous Vehicles Lab (9/20/2021 - - 12/10/2021)

### 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
- **Safeguarding Learning-Based Planners Under Motion and Sensing Uncertainties Using Reachability Analysis**  
Shetty, A., Dai, A., Tzikas, A., Gao, G., IEEE  
IEEE.2023: 7872-7878
- **Information Theoretic Analysis and Performance Gains of 3-Color Shift Keying** *IEEE COMMUNICATIONS LETTERS*  
Tzikas, A. E., Diamantoulakis, P. D., Karagiannidis, G. K.  
2021; 25 (5): 1596-1599
- **3-Color Shift Keying for Indoor Visible Light Communications** *IEEE COMMUNICATIONS LETTERS*  
Tzikas, A. E., Sahinis, A., Trevlakis, S. E., Tegos, S. A., Diamantoulakis, P. D., Karagiannidis, G. K.  
2019; 23 (12): 2271-2274
- **A Cognitive Radar for Classification of Resident Space Objects (RSO) operating on Polarimetric Retina Vision Sensors and Deep Learning**  
Nowak, M., Beninati, A., Douard, N., Lanzi, J., Lanzi, N., Hussain, R., Wang, Y., Shrestha, S., Bolakis, C., Tzikas, A. E., Giakos, G. C., IEEE

