

# Stanford

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## Alexandros Tzikas

Ph.D. Student in Aeronautics and Astronautics, admitted Autumn 2021

 Curriculum Vitae available Online

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### Bio

#### HONORS AND AWARDS

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

#### EDUCATION AND CERTIFICATIONS

- Master of Science, Stanford University , Engineering (Aeronautical and Astronautical Sciences) (2025)
- 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>

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### Research & Scholarship

#### LAB AFFILIATIONS

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

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### Publications

#### PUBLICATIONS

- **Enhanced Importance Sampling Through Latent Space Exploration in Normalizing Flows**  
Kruse, L., Tzikas, A., Delecki, H., Arief, M., Kochenderfer, M.  
edited by Walsh, T., Shah, J., Kolter, Z.  
ASSOC ADVANCEMENT ARTIFICIAL INTELLIGENCE.2025: 17983-17989
- **Distributed Online Planning for Min-Max Problems in Networked Markov Games** *IEEE ROBOTICS AND AUTOMATION LETTERS*  
Tzikas, A. E., Park, J., Kochenderfer, M. J., Allen, R. E.  
2024; 9 (7): 6656-6663
- **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., Trelvakis, 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  
IEEE.2019