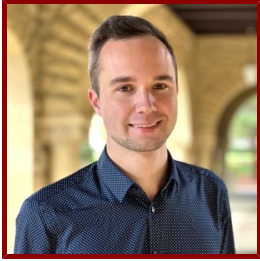


# Stanford

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## Marc Schlichting

Postdoctoral Scholar, Aeronautics and Astronautics

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### Bio

#### HONORS AND AWARDS

- Centennial Teaching Assistant Award, Stanford University (2023)
- Nicholas J. Hoff Award for outstanding master's student, Stanford University (2022)
- GNC Graduate Student Paper Competition, 3rd place, AIAA (2021)

#### PROFESSIONAL EDUCATION

- Master of Science, Stanford University , NEURS-MS (2026)
- Doctor of Philosophy, Stanford University , AA-PHD (2026)
- Master of Science, Stanford University , AA-MS (2022)
- M.S., Stanford University , Aeronautics and Astronautics (2022)
- B.S., University of Stuttgart , Aerospace Engineering (2019)

#### STANFORD ADVISORS

- Mykel Kochenderfer, Postdoctoral Faculty Sponsor

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### Publications

#### PUBLICATIONS

- **A month in review: longitudinal dynamics between daily PTSD symptom networks, affect, and drinking behaviors in female college students** *Frontiers in Psychology*  
Balters, S., Schlichting, M., Walton, T. O., Kochenderfer, M. J., Kaysen, D.  
2024; 15
- **SAVME: Efficient safety validation for autonomous systems using meta-learning** *IEEE International Conference on Intelligent Transportation Systems (ITSC)*  
Schlichting, M. R., Boord, N. V., Corso, A., Kochenderfer, M. J.  
2023
- **Towards assessing subcortical "deep brain" biomarkers of PTSD with functional near-infrared spectroscopy.** *Cerebral cortex (New York, N.Y. : 1991)*  
Balters, S., Schlichting, M. R., Foland-Ross, L., Brigadoi, S., Miller, J. G., Kochenderfer, M. J., Garrett, A. S., Reiss, A. L.  
2022
- **Long Short-Term Memory for Spatial Encoding in Multi-Agent Path Planning** *JOURNAL OF GUIDANCE CONTROL AND DYNAMICS*  
Schlichting, M. R., Notter, S., Fichter, W.  
2022

- **LSTM-Based Spatial Encoding: Explainable Path Planning for Time-Variant Multi-Agent Systems** *AIAA Scitech 2021 Forum*  
Schlichting, M. R., Notter, S., Fichter, W.  
American Institute of Aeronautics and Astronautics.2021: 20