

Daniele Gammelli

Postdoctoral Scholar, Aeronautics and Astronautics

Bio

STANFORD ADVISORS

- Marco Pavone, Postdoctoral Faculty Sponsor

Teaching

COURSES

2025-26

- Optimal and Learning-based Control: AA 203 (Spr)

2024-25

- Optimal and Learning-based Control: AA 203 (Spr)

2022-23

- Optimal and Learning-based Control: AA 203 (Spr)

Publications

PUBLICATIONS

- **Transformer-Based Model Predictive Control: Trajectory Optimization via Sequence Modeling** *IEEE ROBOTICS AND AUTOMATION LETTERS*
Celestini, D., Gammelli, D., Guffanti, T., D'Amico, S., Capello, E., Pavone, M.
2024; 9 (11): 9820-9827
- **Transformers for Trajectory Optimization with Application to Spacecraft Rendezvous**
Guffanti, T., Gammelli, D., D'Amico, S., Pavone, M., IEEE
IEEE.2024
- **Learning to Control Autonomous Fleets from Observation via Offline Reinforcement Learning**
Schmidt, C., Gammelli, D., Pereira, F., Rodrigues, F., IEEE
IEEE.2024: 1399-1406
- **Real-time Control of Electric Autonomous Mobility-on-Demand Systems via Graph Reinforcement Learning**
Singh, A., Gammelli, D., Luke, J., Gopalakrishnan, K., Helmreich, D., Pavone, M., IEEE
IEEE.2024: 1407-1414
- **Graph Neural Network Reinforcement Learning for Autonomous Mobility-on-Demand Systems**
Gammelli, D., Yang, K., Harrison, J., Rodrigues, F., Pereira, F. C., Pavone, M., IEEE
IEEE.2021: 2996-3003