

# Stanford

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## Tommaso Guffanti

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### Bio

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#### STANFORD ADVISORS

- Simone D'Amico, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Passively Safe and Robust Multi-Agent Optimal Control with Application to Distributed Space Systems** *JOURNAL OF GUIDANCE CONTROL AND DYNAMICS*  
Guffanti, T., D'Amico, S.  
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- **Robust Passively Safe Spacecraft Swarming via Closed-form and Optimization-based Control Approaches**  
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- **Linear Models for Spacecraft Relative Motion Perturbed by Solar Radiation Pressure** *JOURNAL OF GUIDANCE CONTROL AND DYNAMICS*  
Guffanti, T., D'Amico, S.  
2019; 42 (9): 1962–81
- **Integration Constants as State Variables for Optimal Path Planning**  
Guffanti, T., D'Amico, S., IEEE  
IEEE.2018: 3197–3202
- **New State Transition Matrices for Spacecraft Relative Motion in Perturbed Orbits** *JOURNAL OF GUIDANCE CONTROL AND DYNAMICS*  
Koenig, A. W., Guffanti, T., D'Amico, S.  
2017; 40 (7): 1749-1768
- **LONG-TERM ANALYTICAL PROPAGATION OF SATELLITE RELATIVE MOTION IN PERTURBED ORBITS**  
Guffanti, T., D'Amico, S., Lavagna, M., McMahon, J. W., Guo, Y., Leve, F. A., Sims, J. A.  
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