

Journals:

Yang, J., Khedar, Y., Ben-Larbi, M.K., Backhaus, J., Lampert, A., Bestmann, U. and Stoll, E., 2021. Concept and feasibility evaluation of distributed sensor-based measurement systems using formation flying multicopters. *Atmosphere*, 12(7), p.874.

Yang, J., Duan, Y., Ben-Larbi, M.K. and Stoll, E., 2021. Potential field-based sliding surface design and its application in spacecraft constrained reorientation. *Journal of Guidance, Control, and Dynamics*, 44(2), pp.399-409.

Yang, J. and Stoll, E., 2019. Adaptive Sliding Mode Control for Spacecraft Proximity Operations Based on Dual Quaternions. *Journal of Guidance, Control, and Dynamics*, 42(11), pp.2356-2368.

Proceedings:

Yang, J. and Stoll, E., 2018. Time-optimal spacecraft reorientation with attitude constraints based on a two-stage strategy. In *Proceedings of the AAS/AIAA Astrodynamics Specialist Conference, AAS* (pp. 18-201).

Trentlage, C., Yang, J., Ben Larbi, M.K., De Laba-Padilla, C., Stoll, E., The ELISSA Laboratory: Free-Floating Satellites for Space-Related Research, *Deutscher Luft- und Raumfahrtkongress, Friedrichshafen, Germany, 2018.*

Wiedemann, C., Radtke, J., Yang, J., Stoll, E., Considering cost of de-orbiting maneuvers in long-term scenarios, *68th International Astronautical Congress 2017 (IAC 2017)*, 25 - 29 September 2017, Adelaide, Australia, paper IAC-17.A6.4.10.

Ben Larbi M.K., Grzesik B., Trentlage C., Yang J., Höfner K., Stoll E., Algorithm and Technology Development for Active Debris Removal at the Institute of Space Systems, *Deutscher Luft- und Raumfahrtkongress (DLRK), Braunschweig, Germany, 2016.*

Theses:

Yang, J., Sliding Mode Control for Spacecraft Proximity Operations Based on Dual Quaternions, PhD thesis, Technische Universität Braunschweig, Germany, 2021.

Yang, J., Study of Reusable Launch Vehicle Autolanding, Master Thesis, Northwestern Polytechnical University, China, 2014.

Yang, J., Study of Effects of Wing's Airfoils and Platforms on Aerodynamic Characteristics at High Angles of Attack with Low Mach Numbers, Bachelor Thesis, Shenyang Aerospace University, China, 2011.