

### **Journals:**

**Schubert, M., Böttcher, L., Gamper, E., Wagner, P., Stoll, E.,** Detectability of space debris objects in the infrared spectrum, *Acta Astronautica*, 2022, 195(1), 41-51, doi:<https://doi.org/10.1016/j.actaastro.2022.02.030>

**Schubert, M., Kebschull, C.,** Enhancing the radar system simulator tool suite to allow the simulation of sensor networks, *Advances in Space Research*, 2023, doi:<https://doi.org/10.1016/j.asr.2023.04.049>

### **Book Chapters:**

**Wiedemann, C., Horstmann, A., Böttcher, L., Soggeberg, K., Gamper, E., Lorenz, J., Schubert, M., Stoll, E.,** Space Debris: Technical Aspects, in: Benkö, M., Schrogl, K. (eds.), *Outer Space – Future for Humankind, Issues of Law and Policy*, Series: Essential Air and Space Law, No. 26, ISBN 9789462362253, November 2021, Eleven International Publishing, pp. 191-211.

### **Proceedings:**

**M. Schubert, C. Kebschull, and S. Horstmann,** "Analysis of Different Process Noise Models in Typical Orbit Determination Scenarios", in 8th European Conference on Space Debris, Darmstadt, Germany, Apr. 2021.

**D. Lück, C. Kebschull, M. Schubert,** "Numerical Optimization of Collision Avoidance Manoeuvres with Mission Constraints", in 3rd IAA Conference on Space Situational Awareness, Madrid, Spain, Apr. 2022

**M. Schubert, C. Kebschull, N. Eggen, and S. Silvestri,** "Applicability of the Sensor Network Simulator Tool Suite for Proximity Operations", in Advanced Maui Optical and Space Surveillance Technologies Conference (AMOS), Maui, USA, Sept. 2023

### **Theses:**

**Schubert, M.,** Analysis and implementation of YORP modelling for uncontrolled payloads in GEO, Master's thesis, Technische Universität Braunschweig, Germany, 2019.

**Schubert, M.,** Identification of active payloads in GEO and the induced forces on external MLI assemblies, Study work, Technische Universität Braunschweig, Germany, 2019.

**Schubert, M.,** Prediction of sounding balloon trajectories. Numerical model and evaluation with experimental data, Master's thesis, Universitat Politècnica de Catalunya Barcelona, Spain, 2018.