

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>

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:

Braun, V., Horstmann, A., Lemmens, S., Wiedemann, C., Böttcher, L., Recent developments in space debris environment modelling, verification and validation with MASTER, in: Flohrer, T., Lemmens, S. (Ed.), *Proc. 8th European Conference on Space Debris*, 20-23 April 2021, Darmstadt, Germany, published by ESA Space Debris Office, SDC8-paper28 (<https://conference.sdo.esoc.esa.int/proceedings/sdc8/paper/28/SDC8-paper28.pdf>).

Theses:

Böttcher, L., Modelling and calculation of the received electron-dose for orbiting objects in space, Master's thesis, TU Braunschweig, 2019

Böttcher, L., Investigation of optical space debris detections considering infrared emission, Study work, TU Braunschweig, 2018

Böttcher, L., Analysis of the influence of the solar and geomagnetic activity on the prediction of satellite orbits, Bachelor's thesis, TU Braunschweig, 2016