

Journals:

Horstmann, A., Kebschull, C., Müller, S., Gamper, E., Hesselbach, S., Soggeberg, K., Ben Larbi, M., Becker, M., Lorenz, J., Wiedemann, C., Stoll, E., Survey of the Current Activities in the Field of Modeling the Space Debris Environment at TU Braunschweig, Aerospace, 2018, 5(2):37, [doi:10.3390/aerospace5020037](https://doi.org/10.3390/aerospace5020037).

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:

Horstmann, A., Manis, A., Braun, V., Matney, M., Vavrin, A., Gates, D., Seago, J., Anz-Meador, P., Wiedemann, C., Lemmens, S., Flux comparison of MASTER-8 and ORDEM 3.1 modelled space debris population, 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-paper11

(<https://conference.sdo.esoc.esa.int/proceedings/sdc8/paper/11/SDC8-paper11.pdf>).

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>).

Wiedemann, C., Horstmann, A., Hesselbach, S., Braun, V., Krag, H., Flegel, S., Oswald, M., Stoll, E., Improvements and updates in MASTER-8, 71st International Astronautical Congress 2020 (IAC 2020), 12 - 14 October 2020, Cyberspace Edition, paper IAC-20-A6.2.6.

Wiedemann, C., Horstmann, A., Hesselbach, S., Braun, V., Krag, H., Flegel, S., Oswald, M., Stoll, E., Das Weltraummüllmodell MASTER-8, Deutscher Luft- und Raumfahrtkongress, online, Germany, 1.-3. September 2020, paper 2020-530025.

Wiedemann, C., Horstmann, A., Hesselbach, S., Braun, V., Krag, H., Flegel, S., Oswald, M., Stoll, E., New results in modelling the space debris environment, DPG Verhandlungen, München, 17.-22. März 2019, abstract EP 5.2.

Wiedemann, C., Horstmann, A., Hesselbach, S., Braun, V., Krag, H., Flegel, S., Oswald, M., Stoll, E., Die Weltraummüll-Population des neuen MASTER-Modells, Deutscher Luft- und Raumfahrtkongress (DLRK), 1.-6. September 2018, Friedrichshafen, Deutschland.

Wiedemann, C., Horstmann, A., Hesselbach, S., Braun, V., Krag, H., Flegel, S., Oswald, M., Stoll, E., Particle flux analysis with the updated MASTER model, 69th International Astronautical Congress 2018 (IAC 2018), 1 - 5 Oktober 2018, Bremen, Germany, paper IAC-18-A6.2.6.

Wiedemann, C., Horstmann, A., Hesselbach, S., Braun, V., Krag, H., Flegel, S., Oswald, M., Stoll, E., Validation of the MASTER Model, 42nd COSPAR Scientific Assembly, 14 - 22 July 2018, Pasadena, California, USA, abstract PEDAS.1-10-18.

Soggeberg, K., Radtke, J., Wiedemann, C, Stoll, E., Design of a BAU scenario including current trends in the space market, 42nd COSPAR Scientific Assembly, 14-22 July 2018, Pasadena, California, USA, abstract PEDAS.1-14-18.

Putzar, R., Gulde, M., Sabath, D., Fiedler, H., Drolshagen, G., Braukhane, A., Horstmann, A., Wiedemann, C., Schimmerohn, M., Schäfer, F., Measuring impact craters on the ISS Columbus Module, 69th International Astronautical Congress 2018 (IAC 2018), 1-5 OCT 2018, Bremen, Germany, paper IAC-18-A6.3.5.

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.

Wiedemann, C., Gamper, E., Horstmann, A., Braun, V., Stoll, E., Der aktuelle Beitrag der NaK Tropfen zum Weltraummüll, Deutscher Luft- und Raumfahrtkongress, TU München, Germany, 5.-7. September 2017, paper 2017-450048.

Wiedemann, C., Gamper, E., Horstmann, A., Braun, V., Stoll, E., The contribution of NaK droplets to the space debris environment, in: Flohrer, T., Schmitz, F. (Ed.), Proc. 7th European Conference on Space Debris, Darmstadt, Germany, 18–21 April 2017, published by the ESA Space Debris Office, SDC7-paper367 (<http://spacedebris2017.sdo.esoc.esa.int>, June 2017).

Wiedemann, C., Gamper, E., Horstmann, A., Braun, V., Stoll, E., Release of liquid metal droplets from Cosmos 1818 and 1867, 67th International Astronautical Congress 2016 (IAC 2016), 26 - 30 September 2016, Guadalajara, Mexico, paper IAC-16.A6.2.9.

Wiedemann, C, Gamper, E., Horstmann, A., Braun, V., Stoll, E., Analyse möglicher Partikeleinschläge auf die Reaktoren der Satelliten Kosmos 1818 und 1867, Deutscher Luft- und Raumfahrtkongress, Braunschweig, 13. - 15. September 2016, paper DLRK 2016-420016.

Horstmann, A., Wiedemann, C., Stoll, E., Braun, V., Krag, H., Introducing upcoming Enhancements of ESA´s MASTER, in: AIAA Space 2016, Long Beach, USA, September 2016

Wiedemann, C., Lorenz, J., Radtke, J., Keschull, C., Horstmann, A., Stoll, E., Space debris - modeling and detectability, Proc. SPIE 10254, XXI International Symposium on High Power Laser Systems and Applications 2016, 102541I (13 January 2017), doi: 10.1117/12.2257479, (<https://doi.org/10.1117/12.2257479>).