



Current position

Head of the Materials in High-Frequency Technology Team at the Institute of Applied Materials / Applied Materials Physics, KIT (since 2009)

Previous positions (two selected)

Project Leader of the European Electron-Cyclotron Upper Launcher Consortium, KIT (2011-2018)

Scientific degrees

Dr.-Ing. (PhD) Mechanical Engineering, University Karlsruhe (2001)

Dipl.-Phys., University of Heidelberg (1996)

Recent research topics

ITER ECRH Upper Launcher Design, Microwave Diamond Windows, High Power Millimeter Waves, DEMO ECRH Launcher Design

Publications (5 most important)

- **D. Strauß**, M.A. Henderson, G. Saibene, T. Goodman, D. Farina et al., Nearing final design of the ITER EC H&CD Upper Launcher, *Fus. Eng. Des.*, article in press, doi:[10.1016/j.fusengdes.2018.11.013](https://doi.org/10.1016/j.fusengdes.2018.11.013)
- **G. Grossetti**, C. Baylard, **D. Strauß**, M.Q. Tran, **H. Zohm** et al., Interface and requirements analysis on the DEMO Heating and Current Drive system using Systems Engineering methodologies, *Fus. Eng. Des.*, article in press, doi: [10.1016/j.fusengdes.2019.03.107](https://doi.org/10.1016/j.fusengdes.2019.03.107)
- **B. Weinhorst**, **U. Fischer**, **L. Lu**, **D. Strauss**, **D. Leichtle** et al., Radiation level analysis for the port cell of the ITER electron cyclotron-heating upper launcher, *Fus. Eng. Des.* 109-111, 1437 (2017), doi: [10.1016/j.fusengdes.2015.12.003](https://doi.org/10.1016/j.fusengdes.2015.12.003)
- **P. Spaeh**, **T. Scherer**, **S. Schreck**, **D. Strauß** et al., Update of the cooling design of the ITER EC Upper Launcher, *Fus. Eng. Des.* 123, 341 (2017), doi: [10.1016/j.fusengdes.2017.04.092](https://doi.org/10.1016/j.fusengdes.2017.04.092)
- **S. Schreck**, **G. Aiello**, **A. Meier**, **D. Strauss**, **T. Scherer** et al., ITER ECRH Upper Launcher: Test plan for qualification of the Diamond Torus Window Prototype III, *Fus. Eng. Des.* 109-111, 1232 (2016), doi: [10.1016/j.fusengdes.2015.11.056](https://doi.org/10.1016/j.fusengdes.2015.11.056)