

## Prof. Dr. Robert Wolf



### Current positions

Director and Department Head “Stellarator Heating and Optimization” (E5), MPI for Plasma Physics, Greifswald (since 2006)  
Professor, Technical University of Berlin (since 2010)

### Previous positions (two selected)

Director at Institute for Plasma Physics, Forschungszentrum Jülich (2002-2007)  
Professor, Ruhr University Bochum (2003-2007)

### Scientific degrees

PhD in Physics, University of Düsseldorf (1993)  
Habilitation (l’agrégation de l’enseignement supérieur), University of Mons-Hainaut (2002)

### Recent research topics

High temperature plasma physics, magnetic confinement fusion research, stellarator research, plasma diagnostics, plasma heating systems

### Membership

Scientific Member of the Max Planck Society

### Publications (5 most important)

- **R. C. Wolf, S. Bozhakov, A. Dinklage, G. Fuchert, Y. O. Kazakov, et al**, Electron-cyclotron-resonance heating in Wendelstein 7-X: A versatile heating and current-drive method and a tool for in-depth physics studies, *Plasma Phys. Contr. F.* 61, 014037 (2019) [doi:10.1088/1361-6587/aaeab2](https://doi.org/10.1088/1361-6587/aaeab2)
- **A. Dinklage, C. D. Beidler, P. Helander, G. Fuchert, H. Maaßberg, et al.**, Magnetic configuration effects on the Wendelstein 7-X stellarator, *Nat. Phys.* 14, 855 (2018) [doi:10.1038/s41567-018-0141-9](https://doi.org/10.1038/s41567-018-0141-9)
- **R. C. Wolf, A. Ali, A. Alonso, J. Baldzuhn, C. Beidler, et al.**, Major results from the first plasma campaign of the Wendelstein 7-X stellarator, *Nucl. Fusion* 57, 102020 (2017) [doi:10.1088/1741-4326/aa770d](https://doi.org/10.1088/1741-4326/aa770d)
- **F. Warmer, C. D. Beidler, A. Dinklage, R. Wolf, W7-X Team**, From W7-X to a HELIAS fusion power plant: motivation and options for an intermediate-step burning-plasma stellarator, *Plasma Phys. Contr. F.* 58, 074006 (2016) [doi:10.1088/0741-3335/58/7/074006](https://doi.org/10.1088/0741-3335/58/7/074006)
- **H.-S. Bosch, R. C. Wolf, T. Andreeva, J. Baldzuhn, D. Birus, et al**, Technical challenges in the construction of the steady-state stellarator Wendelstein 7-X, *Nucl. Fusion* 53, 126001 (2013) [doi:10.1088/0029-5515/53/12/126001](https://doi.org/10.1088/0029-5515/53/12/126001)