

Prof. Dr. Thomas Klinger



Current positions

Director and Division Head “Stellarator Dynamics and Transport”, MPI for Plasma Physics, Greifswald (since 2001)

Head of the Project “Wendelstein 7-X”, MPI for Plasma Physics, Greifswald (since 2005)

Professor, University of Greifswald (since 2002)

Previous positions (two selected)

Research Associate, University of Kiel (1994-1999)

Associate Professor, University of Greifswald (1999-2001)

Scientific degree

PhD in Physics, University of Kiel (1994)

Recent research topics

Turbulence, plasma waves, nonlinear plasma dynamics, magnetic confinement, energy and particle transport, impurity radiation, stellarator physics

Memberships

Scientific Member of the Max Planck Society (since 2001)

Member of the IPP Directorate (since 2005)

Chair of the Science Advisory Board of the Leibnitz Institute for Plasma Research and Technology (2009-2017)

Publications (5 most important)

- **T. Klinger, T. Andreeva, S. Bozhnikov, C. Brandt, R. Burhenn**, et al., Overview of first Wendelstein 7-X high performance operation, *Nucl. Fusion* 59, 112004 (2019) [doi:10.1088/1741-4326/ab03a7](https://doi.org/10.1088/1741-4326/ab03a7)
- **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)
- **T. Klinger, A. Alonso, S. Bozhnikov, R. Burhenn, A. Dinklage**, et al., Performance and properties of the first plasmas of Wendelstein 7-X, *Plasma Phys. Contr. F.* 59, 014018 (2017) [doi:10.1088/0741-3335/59/1/014018](https://doi.org/10.1088/0741-3335/59/1/014018)
- **H. S. Bosch, R. Brakel, T. Braeuer, V. Bykov, P. van Eeten**, et al., Final integration, commissioning and start of the Wendelstein 7-X stellarator operation, *Nucl. Fusion* 57, 116015 (2017) [doi:10.1088/1741-4326/aa7cbb](https://doi.org/10.1088/1741-4326/aa7cbb)
- **T. Klinger, C. Baylard, C. D. Beidler, J. Boscary, H. S. Bosch**, et al., Towards assembly completion and preparation of experimental campaigns of Wendelstein 7-X in the perspective of a path to a stellarator fusion power plant, *Fusion Eng. Des.* 88, 461 (2013) [doi:10.1016/j.fusengdes.2013.02.153](https://doi.org/10.1016/j.fusengdes.2013.02.153)