



## List of Publications, Patent Applications, and Talks

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### Monographs and edited volumes

1. U. Wittrock, *Feldstrukturen, thermooptische Effekte und Wirkungsgrade von Festkörper-Rohrlasern*, dissertation (Shaker-Verlag, Aachen, 1994).
2. U. Wittrock, ed., *Proceedings of the 4th International Workshop on Adaptive Optics for Industry and Medicine* (Springer-Verlag, Heidelberg, 2005).
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### Papers in Peer-Reviewed Journals and Conference Proceedings

1. U. Wittrock, B. Eppich, and H. Weber, "Inside-pumped Nd:YAG tube laser," Opt. Lett. **16**, 1092-1094 (1991).
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64. M. Freudling, A. Grzesik, M. Erhard, S. Leitz, S. Verpoort, and U. Wittrock, "Space-qualified piezo based deformable mirror for future Instruments with active optics," *International Conference on Space Optics (ICSO)*, virtual, Proc. SPIE **11852**, 1185231-11 (2021).
65. I. Alonso et al, "Cold atoms in space: community workshop summary and proposed road-map," *EPJ Quantum Technology* **9** (2022).

#### Other Publications and Awards

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## Patent Applications / Patents

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## Talks

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### **Supervised Ph. D. Theses\***

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\*) Muenster University of Applied Sciences does not grant Ph. D. degrees. The research for the listed dissertations was performed at the Photonics Laboratory at Muenster University of Applied Sciences. However, the Ph. D. degrees were granted by cooperating universities.

### **Externally Reviewed Ph. D. Theses**

1. M. Kahle, "Entwicklung eines hocheffizienten Lasersystems mit minimalen thermischen Effekten," dissertation, Friedrich-Schiller-Universität Jena, 2017.
2. J. Pilař, "Adaptive optics for high average-power laser systems," dissertation, Czech Technical University of Prague, 2017.
3. H. Liebetrau, "Erzeugung und zeitliche Streckung kontrast-optimierter Seed-Pulse für Hochintensitätslaser bei 1030 nm," dissertation, Friedrich-Schiller-Universität Jena, 2017.