



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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14. I. Buske, H.-M. Heuck, and U. Wittrock, "Master-oscillator-power-amplifier laser with adaptive aberration correction," in *Proceedings of the 3rd International Workshop on Adaptive Optics for Industry and Medicine*, S. R. Restaino and S. W. Teare, eds., 49-54 (Starline Printing Inc., Albuquerque, USA, 2002).
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51. P. Rausch, S. Verpoort, and U. Wittrock, "Unimorph piezoelectric deformable mirrors for space telescopes," *Space Telescopes and Instrumentation 2016: Optical, Infrared, and Millimeter Wave*, Proc. SPIE **9904**, 990468 (2016).
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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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9. Julian Perchermeier, "Untersuchung eines Yb:YAG-Scheibenlasers im Hinblick auf eine Aberrationskorrektur mit einem deformierbaren Resonatorspiegel," dissertation, Westfälische Wilhelms-Universität Münster, 2017.
10. O. Kazasidis, "Methods for controlling deformable mirrors with hysteresis," dissertation, TU Delft (March 2021).

*) 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.