

Curriculum vitae

Dr. Till Leißner
NanoSYD, Mads Clausen Institute,
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Research areas

Fabrication of plasmonic and nano-photonics devices
Time-resolved characterization of surface plasmons
Focussed ion beam microscopy and lithography
Characterization of organic energy devices
Failure analysis of electronic components
Correlative microscopy of organic and biological materials

Curriculum

since 2019	Associate Professor , NanoSYD, Mads Clausen Institute, SDU
03-06/2019	Invited Associate Professor , Kaunas University of Technology, Lithuania
2016-2018	Assistant Professor , NanoSYD, Mads Clausen Institute, SDU
2015	Postdoc , NanoSYD, Mads Clausen Institute, SDU
2014	Postdoc , Department of Biochemistry and Molecular Biology, SDU
2009-2013	Doctoral researcher , Department of Experimental and Applied Physics, University of Kiel

Recent publications (peer-reviewed)

- Femtosecond time-resolved photoemission electron microscopy operated at sample illumination from the rear side**
Klick, A., Großmann, M., Beewen, M., Bittorf, P., Fiutowski, J., Leißner, T., Rubahn, H-G., Reinhardt, C., Elmers, H-J. & Bauer, M., 16. May 2019, In : Review of Scientific Instruments. 90, 5, 7 p., 053704.
- Photo-induced Degradation Mechanisms in 4P-NPD Thin Films**
Cielecki, P. P., Adam, J., Leissner, T., Patil, B. R., Madsen, M., Rubahn, H-G., Kjelstrup-Hansen, J. & Fiutowski, J., Dec 2018, In : Organic Electronics. 63, p. 114-119
- Detection and characterization of attenuated multimode waveguiding in SiO₂ slabs using photoemission electron microscopy**
Klick, A., Wagner, R., Großmann, M., Kadem, L. F., Leißner, T., Rubahn, H-G., Selhuber-Unkel, C. & Bauer, M., 16. Aug 2018, In : Physical Review B. 98, 8, 7 p., 085128.
- Single-mode to multi-mode crossover in thin-load polymethyl methacrylate plasmonic waveguides**
Großmann, M., Thomaschewski, M., Klick, A., Goszczak, A. J., Sobolewska, E. K., Leißner, T., Adam, J., Fiutowski, J., Rubahn, H-G. & Bauer, M., 2018, In : Plasmonics. 13, 4, p. 1441-1448
- Excitation of Surface Plasmon Polaritons by Fluorescent Light from Organic Nanofibers**
Sobolewska, E. K., Jozefowski, L., Kawalec, T., Leißner, T., Rubahn, H-G., Adam, J. & Fiutowski, J., 2017, In : Optics Communications. 402, p. 630-634
- Mapping Charge Carrier Density in Organic Thin-Film Transistors by Time-Resolved Photoluminescence Lifetime Studies**
Leißner, T., Jensen, P. B. W., Liu, Y., Brewer, J. R., Fiutowski, J., Rubahn, H-G. & Kjelstrup-Hansen, J., 2017, In : Organic Electronics. 49, p. 69-75
- Plasmon-Organic Fiber Interactions in Diamond-Like Carbon Coated Nanostructured Gold Films**
Cielecki, P. P., Sobolewska, E. K., Kostiučenko, O., Leißner, T., Tamulevicius, T., Tamulevicius, S., Rubahn, H-G., Adam, J. & Fiutowski, J., 2017, In : Optics Communications. 402, p. 635-640
- Nanostructure induced changes in lifetime and enhanced second-harmonic response of organic-plasmonic hybrids**
Leißner, T., Kostiučenko, O., Brewer, J. R., Rubahn, H-G. & Fiutowski, J., 21. Dec 2015, In : Applied Physics Letters. 107, 25, p. 251102-(1-4) 4 p.

9. **The complex dispersion relation of surface plasmon polaritons at gold/para-hexaphenylene interfaces**
Lemke, C., Leißner, T., Klick, A., Fiutowski, J., Radke, J. W., Thomaschewski, M., Kjelstrup-Hansen, J., Rubahn, H-G. & Bauer, M., 1. Sep 2014, In : Applied physics. B, Lasers and optics (Print). 116, 3, p. 585-591 7 p.
10. **The Interplay between Localized and Propagating Plasmonic Excitations Tracked in Space and Time**
Lemke, C., Leißner, T., Evlyukhin, A., Radke, J. W., Klick, A., Fiutowski, J., Kjelstrup-Hansen, J., Rubahn, H-G., Chichkov, B. N., Reinhardt, C. & Bauer, M., 4. Apr 2014, In : Nano Letters. 14, 5, p. 2431-2435 5 p.