

## Teaching Portfolio

Fei Ding

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### Teaching Philosophy

It is of vital importance for me to deliver an excellent education in my professional career. I have been involved in teaching at the University of Southern Denmark as a lecturer for the course *Quantum Engineering, Laser Physics, and Technology*, and *Advanced Physics Optics*, and co-lecturer for the course *Nano Physics*. All the courses are graduate level. I was responsible for high-quality lectures and tutorials, project supervision, course materials revision, and task design, grading as well as feedback on students' assignments. I enjoy the moment that I share knowledge and ideas in class and feel a great sense of accomplishment as students acquire and move forward. With outstanding research ability and communication skills, I look forward to taking the responsibility of undertaking high-quality, inspirational teaching in the prospective position.

### Experience with Teaching and Supervision

· **Teaching:**

Ø Advanced Physics Optics (Spring2020): Primary instructor

Ø Quantum Engineering (Fall 2019): Primary instructor

Ø Laser Physics & Technology (Fall2019): Primary instructor

Ø Nanophysics (Spring 2017): Co-instructor

· **Supervision:**

Ø 2019.05 – 2021.08, Chao Meng(postdoc), co-supervisor with Prof. Sergey I. Bozhevolnyi. Project: Spin-decoupled metasurfaces for controlling classical and nonclassical light.

Ø 2020.02 – 2020.12, Shailesh Kumar(postdoc). Project: Spinning single-photons with metasurfaces.

Ø 2017.02 – 2021.02, Rucha A. Deshpande(PhD student), co-supervisor with Prof. Sergey I. Bozhevolnyi. Project: Multipurpose plasmonic phase-gradient metasurfaces.

Ø 2019.12 – 2020.11, Cuo Wu (guest PhD student from University of Electronic Science and Technology of China, China).Project: High-performance single-photon sources with metasurfaces.

Ø 2019.09 – 2020.06, ChristopherDamgaard-Carstensen, Master thesis, co-supervisor with Prof. Sergey I.Bozhevolnyi. Project: Demonstration of  $> 2\pi$  phase modulation in coupled-resonators-based gap-surface plasmon metasurfaces.

Ø 2019.01 – 2019.12, Shiwei Tang (guest lecturer from Ningbo University, China). Project: Fundamentals and applications of multidimensional and multifunctional metasurfaces.

Ø 2019.01 – 2019.12, Yinhui Kan (guest PhD student from Shanghai Jiao Tong University, China). Project: Controlling the polarization state of single-photon sources.

Ø 2017.12 – 2018.06, Jacob T. Heiden, Bachelor thesis. Project: Experimental realization of wave retarders based on plasmonic metasurfaces.