

Announcement

Seminar Applied Quantum Photonics

Prof. Alexander Kubanek

Description

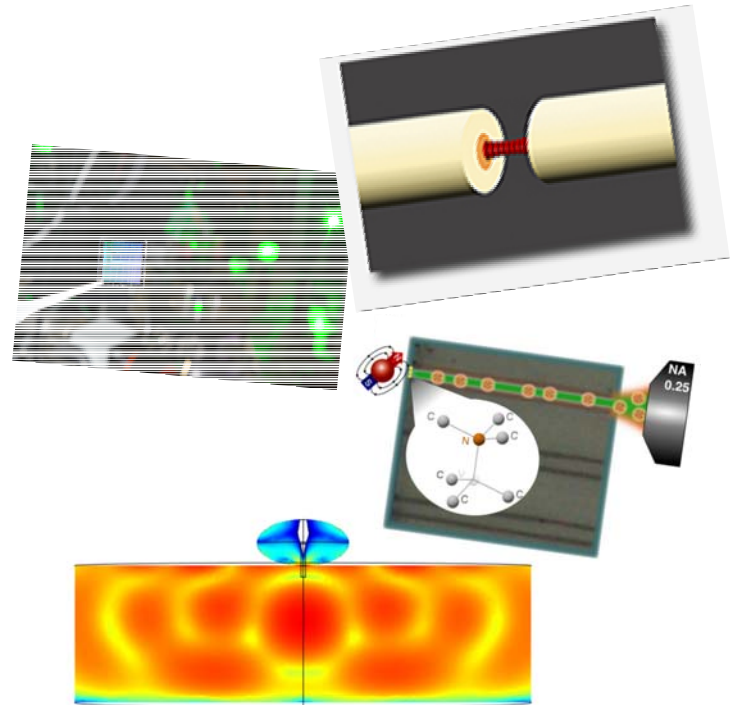
The seminar approaches the field of quantum photonics from an applied perspective.

Topics of applied quantum photonics include experimental as well as theoretical aspects, such as simulations under realistic conditions.

Topics are introduced in a first session by the lecturer.

Participants will choose their topic of interest and study a few relevant publications.

Prior to the student presentations there will be enough time to discuss technical, experimental and theoretical aspects in the respective laboratories with direct practical relevance.



Prerequisites

Formal prerequisites: none

Recommended prerequisites: Knowledge in optics, atomic physics and quantum mechanics

Literature

Review articles specific to the chosen topic

Additional information

The module is suitable for Bachelor and Master students.

Each student has to give a presentation on one of the topics.

Preparation, oral presentation, discussion and a separate written report are graded.

Seminar: 3 ECTS credits

Advanced seminar: 4 ECTS credits

Lecturer

Prof. Dr. Alexander Kubanek, Institute of Quantum Optics