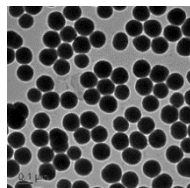
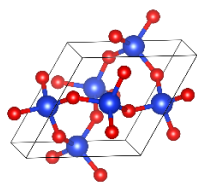


Lab Course Announcement

Summer Term 2021



Lab Course Composite Materials

(Verbundpraktikum – Komposite)

Prof. Dr. Guido Kickelbick

Duration: 30 h practical work + 30 h preparation of presentation and report (2 CP)

Dates:

10.09.2021	Introduction + Safety course (09:00 c.t)
13.09. – 01.10.2021	Laboratory work (6 appointed days) + Presentation
15.10.2021	Report deadline

Content:

The lab course focuses on the synthesis and surface-functionalization of nanocrystalline materials and nanoparticles and their incorporation into polymeric matrices. The particles and the final nanocomposites are characterized with a variety of methods including X-ray powder diffraction, dynamic light scattering, UV/Vis spectroscopy and many others. The goal of the course is to evaluate different synthesis routes and determine the major parameters in the synthesis of nanoparticles, nanocrystalline materials and homogenous nanocomposites. The synergistic properties of these target materials are compared to the precursors.

Information:

Preceding completion of the course "*Hybrid Materials and Nano-Composites (HybMat)*" is not necessary. A written report and presentation (German or English) are required to complete the course. A laboratory coat, protection goggles and a face mask are needed.

Registration:

Registration is possible by Mail to Guido Kickelbick (guido.kickelbick@uni-saarland.de) until **03.09.2021**.

Specify the days or specific dates where you are not available in the afternoon (e.g. lectures)!