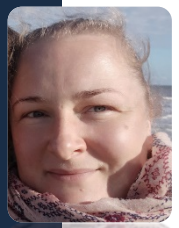
IN²UB INTERNATIONAL RESEARCH SEMINARS

The Mystery of Hybrid Interfaces and Interface-Dominating Processes - Empirizing Insights through Atomistic Simulations



Probably never before has there been such an intense discussion in the media about spacing rules and boundaries to be observed. In materials science, I have been working for years on the correct description of boundaries and interface-dominating processes using classical atomistic simulation models. Our models usually describe systems in the size of some biological macromolecules with processes that range from a few ps to a µs.

In this seminar I would like to show you that the observations from our systems can nevertheless have relevance for macroscopic observations. Using exemplary proteins, I will discuss the driving forces for adsorption on ceramic materials. Key parameters such as the architecture and surface charge distribution of the molecules, the exact description of the charge density of the material surfaces, and the influence of environmental variables on the adsorption processes will be discussed.

The IN²UB invites you to the seminar by

Dr. Susan Köppen

Modeling Group "Biomolecular Modeling"
Department of Hybrid Materials Interfaces.
Faculty of Production Engineering,
University of Bremen

SAVE THE DATE

March 31st, 2022 at 12.00h.

Institut de Nanociència i Nanotecnologia

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