Artur Tamm

Dr. Tamm is an associate professor in computational physics working on modelling of non-equilibrium processes in materials. His work covers a wide range of methods from density functional theory calculations to calculate material properties to large-scale molecular dynamics simulations for measuring materials response to excitations.

His main scientific interest deals with the electron-ion coupling in materials, with a focus on ab initio determination of electronic stopping and model development for transferring this information to classical molecular dynamics simulations. Moreover, he has been working on modelling electron-phonon coupling with experimental comparison.