Subject: Virtual Materials Design

Speaker: Professor Wolfgang Wenzel (Institute of Nanotechnology, KIT, Karlsruhe, Germany)

Date & time: Friday, 14th of July 2023 at 3:15 p.m.

Venue: Room 01.114

Abstract:

In recent years a number of experimental and theory groups at KIT joined forces to form an initiative to develop, validate and apply multiscale methods for virtual materials design. In this presentation I will summarize recent results regarding the structure property relations of metal organic frameworks\textsuperscript{1,2}, organic light emitting diodes\textsuperscript{3-5} and lithium ion batteries\textsuperscript{6}. We will discuss the impact of workflow technologies\textsuperscript{7,8} towards the realization of materials acceleration platforms.

References


