

## CONDENSED MATTER THEORY SEMINAR

Subject: **Virtual Materials Design**

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

Date & time: **Friday, 14<sup>th</sup> of July 2023 at 3:15 p.m.**

Venue: **Room 01.114**

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### 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<sup>1,2</sup>, organic light emitting diodes<sup>3-5</sup> and lithium ion batteries<sup>6</sup>. We will discuss the impact of workflow technologies<sup>7,8</sup> towards the realization of materials acceleration platforms.

### References

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