

A U S H A N G

FREIE UNIVERSITÄT BERLIN

Fachbereich Mathematik und Informatik

Promotionsbüro, Arnimallee 14, 14195 Berlin

D I S P U T A T I O N

Freitag, 28. Januar 2022, 10:00 Uhr

[WebEx](#)

Disputation über die Doktorarbeit von

Frau Sandra Döpking

Thema der Dissertation:

Error aware analysis of multi-scale reactivity models for chemical surface reactions

An Adaptive and a Multilevel Adaptive Sparse Grid approach to address global uncertainty and sensitivity

Thema der Disputation:

Scrum and Kanban approaches for process optimisation

Die Arbeit wurde unter der Betreuung von **Dr. S. Matera** durchgeführt.

Abstract: Since 2001 we have seen agile product development on the rise. Although it is often associated with the field of software development, it can be applied to many different scientific and non-scientific fields. This talk should give an overview of the key characteristics of an agile mindset and how it can benefit solving complex problems. Therefore we will introduce two of the most famous agile approaches, the Scrum framework and the Kanban method, and why their key features can benefit scientific research work.

We will investigate the benefits based on a scientific Scrum/Kanban model for process optimisation and explain why doubling the people working on one problem does not mean half the time till it is done or twice the outcome and why there is a perfect group size.

Die Disputation besteht aus dem o. g. Vortrag, danach der Vorstellung der Dissertation einschließlich jeweils anschließenden Aussprachen.

Interessierte werden hiermit herzlich eingeladen

Der Vorsitzende der Promotionskommission
Dr. S. Matera