

A U S H A N G

FREIE UNIVERSITÄT BERLIN

Fachbereich Mathematik und Informatik

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DISPUTATION

Dienstag, 24. November 2020, 13:00 Uhr

[WebEx](#)

Disputation über die Doktorarbeit von

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Thema der Dissertation:

SeqAn3 - Sequence Analysis and Modern C++

Thema der Disputation:

**Software libraries and why developers choose them over
their own code (or not)**

Die Arbeit wurde unter der Betreuung von **Prof. Dr. K. Reinert** durchgeführt.

Abstract: Code reuse is essential in modern software engineering and software libraries are one of the most important forms of code reuse. Xu et al. research empirically [1] why developers choose software libraries instead of their own solutions and also why they switch from using a software library (back) to their own code. Understanding these questions has academic importance in the domain of software engineering research, but it is also highly relevant in practice for the developers of software libraries: it enables them to adjust long-term priorities to increase user satisfaction and user numbers. This is crucial for the success of almost all libraries - independent of whether the context is academic, open-source and/or business.

[1] <https://doi.org/10.1007/s10664-019-09771-0>

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
Prof. Dr. K. Reinert