

## **Invitation to the Oral Examination – Department CE**

For the occasion of his/her examination for a Doctoral Degree,

**Jens Peter Klinker**

will present his/her dissertation entitled/on

**The Rationality of Irrationality: A Software Architecture for Multi-Dimensional Navigation**

on **22 November 2024** at **10:00 h**

Attendance to the presentation is open to the public. The presentation will be in English.

The candidate, all members of the Examination Committee, and authorized examiners of the TUM School of CIT are invited to the presentation and subsequent oral examination.

The presentation and subsequent examination will take place online via Zoom

**link:** <https://tum-conf.zoom-x.de/j/61873772522?pwd=7mj4BsUazuCgPsvkq0sb1RA48DnFWH.1>

**Meeting-ID: 618 7377 2522**

in room **01.07.023**.

### **Examination committee:**

Chair: **Prof. Jörg Ott**

First Examiner: **Prof. Stephan Jonas**

Second Examiner: **Prof. Holger Regenbrecht**

Third Examiner: **Prof. Georg Groh**

Munich/Garching, the **20 of August 2024**

### **Mailing list:**

Members of the examination committee

Doctoral candidate

**Abstract:**

Optimizing individual travel routes in traffic networks is complex due to personal preferences and environmental factors. Current navigation systems, which prioritize time and distance, often underfit these multi-dimensional preferences. The presented traffic simulation tool aims to integrate personal factors into route optimization, potentially reducing traffic conflicts and congestion by accounting for each traveler's unique psychological, physiological, and situational needs.