

Invitation to the Oral Examination – Department CS

For the occasion of his examination for a Doctoral Degree,

Martin Winfried Lurz

will present his dissertation entitled

The Potential of Coarse and Incomplete Data in Mobile Health Applications

on **08 April 2026** at **5:00 pm (CEST)**

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 MS Teams.

<https://teams.microsoft.com/meet/32212676825594?p=lwUboma1u5uoMGG3kp>

Besprechungs-ID: 322 126 768 255 94, Passcode: Ga2b2mE3

And in room 00.12.019, MI building, Boltzmannstr. 3, Garching

Examination committee:

Chair: **Prof. Dr. Hans-Joachim Bungartz**

First Examiner: **Prof. Dr. Helmut Krcmar**

Second Examiner: **alt. Prof. Dr. Georg Groh**

Third Examiner:

Garching, the 31 of March 2026

Mailing list:

Members of the examination committee

Doctoral candidate

Abstract:

One of the major health challenges in our modern world is the problem of overweight and obesity and numbers are still rising worldwide, despite several attempts including mobile health applications for smartphone users in recent years. However, the latter often suffer from high dropout rates resulting in large user losses only a few days after app adoption. Research on nutrition apps states that cumbersome food tracking is a major contributor. Therefore, we investigate possibilities of utilizing coarse and incomplete nutrition data in mobile health apps which would allow for quicker tracking methods and thus hopefully better user adherence.