

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

For the occasion of his examination for a Doctoral Degree,

**Leonardo Tonetto**

will present his dissertation entitled/on

***Mobile User Behavioral Modelling***

on **07. January 2025** at **14:00 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 **in room Z995**.

### **Examination committee:**

Chair: **Prof. Klaus Diepold**

First Examiner: **Prof. Jörg Ott**

Second Examiner: **Prof. Gunnar Karlsson, KTH Royal Institute of Technology**

Third Examiner: **Assoc. Prof. Karin Anna Hummel, Johannes Kepler Universität Linz**

Munich, the **16th of December 2024**

### **Mailing list:**

Members of the examination committee

Doctoral candidate

### **Abstract:**

This thesis delves into the correlation between human behavior and mobile device usage, exploring how devices detect behavior and potentially shape actions. It emphasizes privacy, ethics, and cybersecurity risks in behavioral research. Mathematical models are proposed to quantify these influences. The study also examines privacy concerns in crowd mobility data and suggests alternative methods for research.