

Invitation to the Oral Examination – Department CE

For the occasion of his examination for a Doctoral Degree,

Katrin Hanna Schulleri

will present her dissertation entitled

***Factors Facilitating Human Balance Control:
The Role of Body Representations and (Bio-)Feedback***

on Tuesday, **December 17th, 2024** at **11:30 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 examination will take place only as virtual event:
via **Zoom**

<https://tum-conf.zoom-x.de/j/62404994786?pwd=cXlXN4DbAwlbsFui0bJJAacdHFp7g.1>
Meeting-ID: 624 0499 4786; Kenncode: 115283

Examination committee:

Chair: **Prof. Cristina PIAZZA**

First Examiner: **Prof. Dr. Gordon CHENG**

Second Examiner: **Priv.-Doz. Dr. rer. nat. Leif JOHANNSEN**

Third Examiner: **Prof. Dr. Pietro MORASSO**

Abstract:

This work investigated internal and external factors affecting balance control, such as internal body representations, the type of tactile interaction, and vibrotactile biofeedback encodings. This thesis further proposes a generative integrative framework of embodied cognition in the world, emphasising the importance of body schema and discussing plausible mechanisms, like the Passive Motion Paradigm and Active Inference.

Mailing list:

Members of the examination committee
Doctoral candidate