

Invitation to the Oral Examination – Department CS

For the occasion of her examination for a Doctoral Degree,

Ms. Suhanyaa Nitkunanantharajah

will present her dissertation titled

Exploring Cutaneous Microvascular Morphology with Optoacoustic Mesoscopy

on, **December 4th, 2024, 9:00 – 10:30 am. (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 Zoom.

And online via Zoom:

<https://tum-conf.zoom-x.de/j/62634121994?pwd=YjlfatgVxZdVbflSCAa2XAaO0Xg57I.1>

Meeting ID: 626 3412 1994

Passcode: 698779

Examination committee:

Chair: **Prof. Dr. Nassir Navab**

First Examiner: **Prof. Dr. Vasilis Ntziachristos**

Second Examiner: **Prof. Dr. Daniel Rückert**

Munich, the **20** of **November 2024**

Mailing list:

Members of the examination committee

Doctoral candidate

Abstract:

The work in this thesis aims to facilitate the translation of the optoacoustic technology, both in imaging and sensing mode, into the clinic as a tool for assessing the microvascular morphology in the skin. For this purpose, multiple data analysis methods have been developed to extract structural information of cutaneous microvasculature from mesoscopic-scale optoacoustic imaging and sensing data.