Invitation to the Oral Examination – Department CE

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

Edoardo Mosca

will present his/her dissertation entitled/on

Explainable AI for the Human-Centric Development of NLP Models

on **5 September 2024** at **14:00h**

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/64751619988?pwd=ihEhjY6qHKWR6XrvYb7gHEPflKlqCX.1

Meeting ID: 647 5161 9988

in room **01.07.023.**

Examination committee:

Chair: **Prof. Jörg Ott**

First Examiner: **Prof. Georg Groh**

Second Examiner: **Prof. Alan Said**

Third Examiner: **Prof. Diana Rieger**

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

Mailing list:

Members of the examination committee

Doctoral candidate

Abstract:

The development of human-centric NLP models has emerged as a priority, with European regulations defining key requirements to ensure that deployed Systems align with human values and ultimately benefit society. This dissertation presents eight studies investigating the usage of model explanations to address the three key requirements of (1) interpretability, (2) robustness, and (3) human oversight.