

Invitation to the Oral Examination – Department CS

For the occasion of his examination for a Doctoral Degree,

Mr. Stefano Gasperini

will present his dissertation entitled

Strategies Towards Reliable Scene Understanding for Autonomous Driving

on **24 January 2025 at 09:00 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 **00.12.019 (CIT Sitzungsraum 2), Garching,**

as well as online via Zoom:

Link: <https://tum-conf.zoom-x.de/j/61509618401?pwd=DF22loi8GJvSEJODa1ZEBUvcbfI0Fk.1>

Meeting ID: 615 0961 8401

Passcode: 289636

Examination committee:

Chair: **Prof. Julia A. Schnabel; TUM**

First Examiner: **Dr. Federico Tombari; TUM**

Second Examiner: **Prof. Daniel Cremers; TUM**

Third Examiner: **Prof. Bastian Leibe; RWTH Aachen**

Garching, the **28 of November 2024**

Mailing list:

Members of the examination committee

Doctoral candidate

Abstract:

Autonomous driving is poised to revolutionize the transportation sector, with scene understanding as a critical component. This dissertation presents methods for increasing the reliability of state-of-the-art models, focusing on addressing the issues of unknown scenarios and challenging conditions. Therefore, it marks a decisive step towards the safe deployment of autonomous vehicles in the real world.