

Excursion: Applications of Computer Vision

Matthias Wödlinger - mwoedlinger@cvl.tuwien.ac.at

Organisation of the Excursion

- Excursion topic: Car in-cabin analysis software
- You **have to** visit the excursion to pass the course

[emotion3D:](https://emotion3d.ai) **EMOTION3D**



Image taken from: <https://emotion3d.ai/>
emotion3D GmbH, Rainergasse 1/8, 1040 Vienna, Austria

Organisation of the Excursion

- Excursion date: 15.12, 14:00 – 15:00
- We will meet 13:55 at Rainergasse 1 (if you cannot find us, write a mail to mwoedlinger@cvl.tuwien.ac.at)
- If the situation allows it the excursion will be with **physical presence**
- After Excursion you have to
 - Create a written report
 - Create a presentation

Behaviour during the excursion

- Bring your own mask
- Keep your distance
- If you feel sick contact me (mwoedlinger@cvl.tuwien.ac.at)
- Feel free to ask questions

Written Report

- **4 pages** per student including references
- Should answer:
 - What is the problem that needs to be solved?
 - How was computer Vision used to solve it?
- **Structure:**
 - Introduction
 - Problem statement
 - Solution/discussion of state-of-the-art approaches
 - Conclusion
- **Due Date**
 - First draft: 08.01.2021
 - Final report: 25.01.2021

Presentation

- Max **8 min** per person
- Presentation preparation lecture: 11.01.2021
- Due Date: 25.01.2021

Summary of Tasks

- Find and describe computer vision applications
- Present the results
 - Written document (4 pages)
 - Presentation (max. 8 minutes per student)

Schedule

27.10.2020	1. Excursion exercise: Details on excursion, work plan, work flow, preparations
24.11.2020 14:00-15:00	2. Exkursion exercise: Excursion to emotion3D
11.01.2020	3. Excursion exercise: Discussion of the 1st document, improvements, planning of presentation
25.01.2020	Final Presentations: 1 Document submission 1 Presentation submission

DEADLINE 1st DRAFT
08.01.2020
Submission to
mwoedlinger@cvi.tuwien.ac.at

OCCUPANCY DETECTION

Detection whether a seat is occupied by a person or not.

Images taken from: <https://emotion3d.ai/>



Thank you

mwoedlinger@cvl.tuwien.ac.at

<https://cvl.tuwien.ac.at/course/applications-of-computer-vision-ex/>