

Computer Vision and Deep Learning for Autonomous Driving (CVDLAD)

Introductory meeting - Winter semester 2020/21

PD Federico Tombari

Tutors: Nikolas Brasch, Mahdi Saleh, Shun-Cheng Wu,
Fabian Manhardt, Yanyan Li

Goals of this seminar

- You are going to learn:
 - about the state of the art in Computer Vision and Deep Learning
 - about current challenges in Autonomous Driving

- And also:
 - how to read and understand a scientific article
 - how to give a tech talk to an audience, and related Q&A
 - how to condense a scientific topic into a short and precise article for a broad audience

Seminar Schedule

- 5 sessions on Friday (**4-6pm**) between November and January
- 3 presentations per session (15/20 min presentation +10 Q&A min each)
- External talks from industry experts
- All Virtual (via Zoom)

You have now been assigned a tutor and a paper - you can get in touch with your tutor if you haven't yet.

Presentation

- Each presentation is 15-20 minutes + 10 minutes for Q&A
- Slides templates (Powerpoints, Latex, ..) provided on website
- The presentation should cover all relevant aspects of the paper
 - Introduction and state of the art
 - Main contribution(s)
 - Experimental results
 - Discussion, summary and future work
- The presentation should be self-contained
- All students are expected to attend all presentations and interact during Q&A (this will influence your final mark)

Blog article

- The blog article should summarize the paper in the way it has been presented during the talk, and provide the student's opinion concerning the main contributions and impact
- Language: **English**
- Once ready, send the article to supervisor, within **two weeks** from the day of the presentation
- Format: [Gitlab.lrz.de](https://gitlab.lrz.de) Markdown
- Size: Around **2000-3000 words**
- Examples: [GcGAN](#), [MonoDepth](#)

Example blog post

master example_blog / + History Find File Web IDE Clone

Update README.md
Nikolas Brasch authored 1 year ago e39766a2

README Add LICENSE Add CHANGELOG Add CONTRIBUTING Set up CI/CD

Name	Last commit	Last update
img	Upload New File	1 year ago
README.md	Update README.md	1 year ago

README.md

Example Blog Post

Introduction

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Evaluation criteria

- Quality of presentation (slides and speech)
 - Talk and explanation (including speaker's preparation on the topic)
 - Slides and presented material
 - Q&A
- Quality of the blog article
- Interaction and participation during the other talks

Any questions?