

Intro meeting for CVDLAD and RT3DCV seminars

Summer semester 2021

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Goals for today

- Summarize the important parts of the two seminars
- How to give a tech talk
- Get in touch with your tutor

Goals

- You are going to learn:
 - about the state of the art in Computer Vision and Deep Learning
 - With either a specific focus on **Autonomous Driving** or **3D computer vision** applications

- 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

- 4 sessions (Friday 3-5pm) + 1 introductory lecture (today)
- 3 presentations per session (around 30 min each in total)
- For some sessions, we will have external talks from industry experts
- Virtual meeting over Zoom

- Paper assignments:
 - Paper assignments are now available on the course webpage, together with your tutor assignment (feel free to reach out)

The tutor's role

- Your tutor is here to help, and an expert of the topic of your paper
- Your tutor should **not** do work that you are supposed to do
 - e.g., read the paper for you or make your slides
- You should get in touch and meet your tutor (usually 2-3 times) to:
 - Get clarifications on parts that are unclear
 - Discuss related work
 - Get suggestions on how to best present certain concepts
 - Rehearse the presentation, and/or get general feedback on the slides

Presentation

- Each presentation is 15-20 minutes + 10 minutes for Q&A
- Slides templates (Powerpoints, Latex, ..) provided on website
- All students are expected to attend all presentations and interact during Q&A (this will influence your final mark)

How to structure the presentation

- The presentation should cover all relevant aspects of the paper, typically structured around
 - Introduction and state of the art
 - Main contribution(s)
 - Experimental results
 - Conclusions and future work
- The presentation should be self-contained
 - Sometimes this requires an additional introduction at the beginning
- Could be interesting to include
 - Your own opinion / thoughts
 - Reference to more recent works / results
 - Additional experiments / demos (especially if code is available)

What about already introduced concepts?

- Given the related topics, many concepts will be in common across many papers (e.g., “what is a CNN?”)
- We tried to structure the sessions so to group papers around similar topics
- Try to avoid introducing concepts that have already been explained before, especially in the same sessions
- Reach out to your colleagues presenting in your session to organize material

Example!

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)
 - Quality of the talk
 - Quality of the slides
 - Q&A
- Quality of the blog article
- Interaction and participation during the other talks

Meet your tutor

Since some tutors are attending this presentation, feel free to get in touch with them directly and even meet them over Zoom if you want.

Any questions?