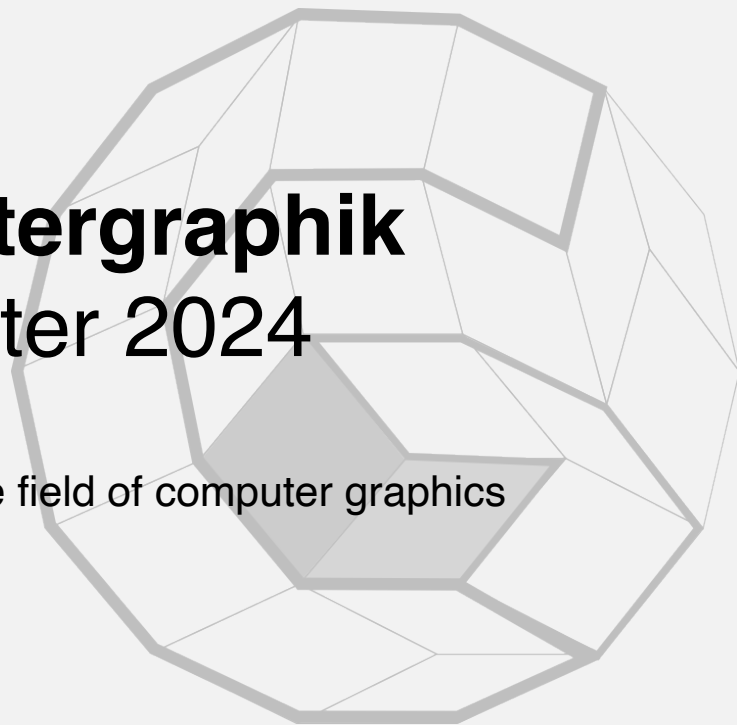




Seminar Computergraphik

Sommersemester 2024

Current research topics and results in the field of computer graphics



Seminar Overview

- Goal: Introduction to scientific work
- Individual topic and supervisor
- Tasks:
 - Writing a **summary** about a paper (scientific publication)
 - Write a **review** about the summary of another participant
 - **Presentation** of the paper with subsequent discussion



Task — Latex Summary

- Reading and understanding the paper
- Contacting the supervisor in case of questions
- Summary:
 - Show that you understood the topic
 - What are the positive and negative aspects of the paper?
 - Written in your own words
 - At least 8 pages in the CG Latex template
 - Language: German or English



Task — Review

- Read and review the summary of another participant
 - Is the contribution of the paper clear?
 - Has the method been explained sufficiently?
 - Are equations, plots, and images correct and adequate?
 - ...
- Roughly 1 – 2 pages
- Afterwards: Improve your own summary based on the feedback



Task— Presentation

- Create slide using your preferred template and software tool
- **Practice of the talk** with your supervisor (Mandatory!)
- Final Presentation
 - Max. 20 mins
 - 10 mins discussion and questions
 - *28.06.2024, 09:00 - 12:00: Talks*



Evaluation Criteria

- Compliance with mandatory deadlines
- Communication with supervisor
- Bachelor or Master student
- Quality of the latex summary
- Active participation in the review process
- **Main part:** Quality of presentation and slides



Timeline

Kick-Off	Now 😊
<i>Deregistration deadline</i>	<i>16.04.2024</i>
Summary deadline	05.05.2024
Review deadline	18.05.2024
Improved summary deadline	09.06.2024
Practice talk deadline	21.06.2024
Hand in of presentation slides	27.06.2024
Talks	28.06.2024, 09:00

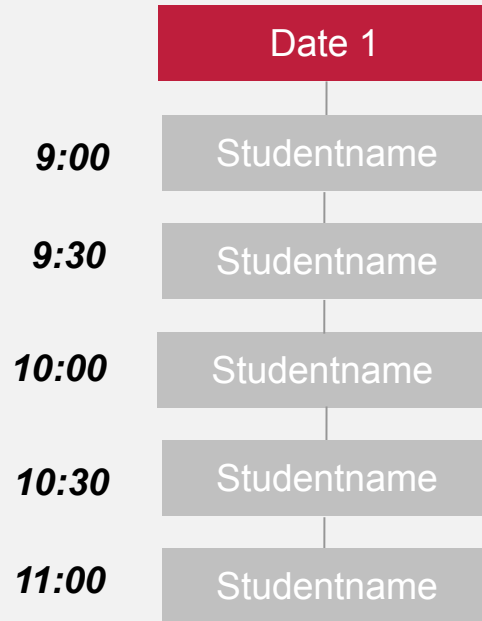


Topic Assignment

Name	Topic	Supervisor	Mail
Carlotta	DiffSwap: High-Fidelity and Controllable Face Swapping via 3D-Aware Masked Diffusion	Susana Castillo	castillo@cg.cs.tu-bs.de
Nikkel	Data-driven Pixel Filter Aware MIP Maps for SVBRDFs	Sascha Fricke	fricke@cg.cs.tu-bs.de
Sruthi	Perceptual error optimization for Monte Carlo animation rendering	Colin Groth	groth@cg.cs.tu-bs.de
Moritz	Who is Speaking Actually? Robust and Versatile Speaker Traceability for Voice Conversion	JP Tauscher	tauscher@cg.cs.tu-bs.de
Paula	ReconFusion: 3D Reconstruction with Diffusion Priors	Florian Hahlbohm	hahlbohm@cg.cs.tu-bs.de



Presentation dates



Attendance for the whole session is mandatory!



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