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

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tr>
<td>Kick-Off</td>
<td>Now 😊</td>
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<tr>
<td>Deregistration deadline</td>
<td>16.04.2024</td>
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<tr>
<td>Summary deadline</td>
<td>05.05.2024</td>
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<td>Review deadline</td>
<td>18.05.2024</td>
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<td>Improved summary deadline</td>
<td>09.06.2024</td>
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<td>Practice talk deadline</td>
<td>21.06.2024</td>
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<td>Hand in of presentation slides</td>
<td>27.06.2024</td>
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<td>Talks</td>
<td>28.06.2024, 09:00</td>
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<tr>
<td>Name</td>
<td>Topic</td>
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<tr>
<td>Carlotta</td>
<td>DiffSwap: High-Fidelity and Controllable Face Swapping via 3D-Aware Masked Diffusion</td>
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<td>Nikkel</td>
<td>Data-driven Pixel Filter Aware MIP Maps for SVBRDFs</td>
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<td>Sruthi</td>
<td>Perceptual error optimization for Monte Carlo animation rendering</td>
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<td>Moritz</td>
<td>Who is Speaking Actually? Robust and Versatile Speaker Traceability for Voice Conversion</td>
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<tr>
<td>Paula</td>
<td>ReconFusion: 3D Reconstruction with Diffusion Priors</td>
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Presentation dates

Date 1

9:00  Studentname
9:30  Studentname
10:00 Studentname
10:30 Studentname
11:00 Studentname

Attendance for the whole session is mandatory!
graphics.tu-bs.de/teaching

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