Ostbayerische Technische Hochschule
Amberg-Weiden

Project Work – AI Conference
Summer Semester 2024

Prof. Dr.-Ing. Christian Bergler

Start: Individual Papers assigned since 25.04.2024
Deadline: 01.07.2024 – 23:59:59 p.m. (via Moodle)

1   General Requirements

- The presentation for each of the proposed scientific publications has to be done in LaTeX using the provided OTH-LaTeX-Template from Moodle.

- As a final project result, a LaTeX-Beamer presentation named "lastname_firstname.tex" (TeX-sources, together with the compiled PDF) has to be created and submitted online via Moodle. Within the LaTeX-Beamer presentation, please clearly summarize and document all the mandatory contextual parts, which are required to follow and understand the respective scientific publication. Within the scope of creating the presentation, please adhere to the structure and organisation for a scientific presentation.

- The entire content of the presentation must be presented within a time frame of exactly 30 minutes, followed by a 15-minute question and answering session.

- In summary, please hand in your complete solution (.zip archive) until the specified deadline via Moodle, including:

    - Selected publication (PDF)

    - LaTeX-Beamer presentation (TeX-Sources and PDF)

    - Scanned and signed declaration (PDF)

- Pay attention to a good scientific structure of your presentation and find a suitable balance between the amount of content on the individual slides, the level of detail and the appropriate as well as required technical depth to guarantee the best possible understanding among the target audience.

- Please read the evaluation criteria below carefully!

- Please solve the given task on your own!

- The room, date, and timeslot for all the individual presentations will be announced in Moodle on time.

- The written declaration attached below (see Appendix) must be signed, scanned, and uploaded together with all the documents (see above) of your specific submission.

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Grading Criteria

Presentation Slides

- Your presentation follows the contextual structure of a scientific presentation.

- The Presentation slides are well structured, easy to read, and understandable.

- All the important paper-related content is addressed, explained, and presented.

- The entire presentation is of high quality in terms of both content and appearance.

Presentation Style

- The time management adheres to the given requirement of exactly 30-minutes.

- Questions are answered confidently, correctly, and in a clearly understandable fashion.

- The style of presentation is clear, precise, fluent, all together with a comfortable presentation speed.

2   Scientific Publications

As part of the AI conference module, a total of four independent scientific publications in the field of artificial intelligence is available for selection:

- Venkatesh et al. – **Exploring semantic consistency in unpaired image translation to generate data for surgical applications** – International Journal of Computer Assisted Radiology and Surgery, 2024

- Liu et al. – **VectorMapNet: End-to-end Vectorized HD Map Learning** – Proceedings of the 40th International Conference on Machine Learning, Honolulu, Hawaii, 2023

- Yuan et al. – **Cooperative Students: Navigating Unsupervised Domain Adaptation in Nighttime Object Detection** – arXiv preprint, 2024

- Xu et al. – **VASA-1: Lifelike Audio-Driven Talking Faces Generated in Real Time** – arXiv preprint, 2024

According to your chosen publication, please provide all the required documents (presentation slides as LaTeX-source and PDF) until the submission deadline.

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Appendix Project Work – AI Conference

Summer Semester 2024
Prof. Dr.-Ing. Christian Bergler

Vinay Kumar

Surname, Firstname (Person 1):   Surname, Firstname (Person 2):

34395872

Matriculation number :   Matriculation number :

Declaration
I hereby declare that the project work submitted was created exclusively by the person named above.
All sources and auxiliary materials used, have been indicated in the work.

Amberg, 28|06|24 , Vinay

Place, Date, Signature (Person 1):   Place, Date, Signature (Person 2):