Editing Department (Montage)

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Final Thesis Evaluation

Author: **Dimitrios Polyzos**

Title: **Critical Examination of the Use of Artificial Intelligence as a Creative Tool in Editing and its Potential as a Creator in its own**

Evaluation by the Opponent ☐

Author of Evaluation (name, surname, department): **MgA. Tomáš Doruška**, KSS / MONTAGE FAMU

Evaluation of the content and resulting form of a theoretical Thesis:

Appropriate choice of Thesis objective and approach..A

Relative completeness of the literature search in relation to the topic ....A

Ability to adopt a critical approach and use specialised literature sources ....B

Logical structure of the Thesis, continuity and proportionality of chapters ....A

Linguistic level and style ....A

Compliance with the bibliography standards (no thesis may be recommended for defence if there are multiple quote sections indicating no source in the text)...A

Sufficient extent of images, justification for and appropriateness of such images, graphic representation...B

Originality of the Thesis, contribution to the field of interest ....B

Overall Evaluation of the Thesis (A-F) ....A

(explanation: A = outstanding performance exceeding the criteria above, B = above-average performance with minimum errors, C = average performance with an acceptable level of error, D = acceptable performance with a higher level of error, E = performance merely satisfying the criteria, F = unacceptable performance)

Recommendations:

The individual verbal evaluation of the theoretical Thesis includes a paragraph summarising the contents and conclusions of the Thesis; presents a more detailed evaluation of the aforementioned criteria, particularly the justification for the D, E, F grades; points out the positive features of the Thesis, particularly if the grade is A, B; formulates the questions for the student to answer during the defence; in conclusion, the evaluation gives a clear statement on whether the author has demonstrated the ability to work creatively and independently in his/her chosen area of research or not, whether the Thesis meets the standard requirements for final theses or not, whether the Supervisor/Opponent recommends the Thesis for defence or not, and the proposed grade. Typically, the verbal evaluation takes 1 standard page; if there are no objections to the Thesis, it may be shorter. With theses where there is nothing to criticise, an additional question should be asked as to where the student should direct his/her subsequent research.

Individual verbal evaluation of the theoretical Thesis:

Dimitrios works at Montage program already as teaching assistant, workflow advisor and postproduction problem fixer. His former education was a degree in engineering. His focus changed on gaining practical skills in storytelling, script editing and mastering his skills to formulate ideas with moving images and with the support of soundtrack during Montage FAMU studies.
Dimitrios managed to gain and apply professional practice in creative approach and turned into valuable member of the closest circle of authors of the film crew.
It was interesting to read his scholarly and well structured text. It is pity it was not enriched with diagrams and pictures, which could have made the text easier to grasp – as it is difficult topic in a dramatically developing and changing field of AI problematic. It was interesting to read the fruits of research - combination of technological education and creative editor PoV and co-author experience.

It is clear that wast amount of AV data are increasing and it is hihg demand for advanced tools to anotate them, for easier preselection and automated sorting or preselection. All that is due to decrease human workload during postproduction period. *"We have seen that ML-based AI has advanced the state of the art across a range of creative applications including content creation, information analysis, content enhancement, information extraction, information enhancement and data compression."*

In the introduction the subject of the thesis was clearly explained and chosen methodology was consistently applied. Conclusion is clear and it summarizes current stage of development and reflects possible direction of further development. *"AI technologies have been developed to operate in closed domains where they can assist and support humans rather than replace them. Better collaboration between humans and AI technologies can thus maximise the benefits of the synergy."*

I recommend this thesis for defence and propose the grade **A.**

Questions for the student to answer during the defence:

What are significant challenges for AI as the sole generator of original work?
What postproduction SW applications were subject of research?

Date: September 12, 2022   Signature: