

Use of ChatGPT (or any other AI writing assistance tool)

Student name: Fadi El Merheby & Muhammad Abdullah Rafique

Student number: r0969864 & r0967843

Please indicate with "X" whether it relates to a course assignment or to the master thesis:

X This form is related to a **course assignment**.

Course name: Computer Platforms for AI and Embedded Processing

Course number: H05H3a

O This form is related to **my Master thesis**.

Title Master thesis:

Promotor:

Please indicate with "X":

O I **did not use** ChatGPT or any other AI writing assistance tool.

X I **did use** AI Writing Assistance. In this case **specify which one** (e.g. ChatGPT/GPT4/...):

ChatGPT4

Please indicate with "X" (possibly multiple times) in which way you were using it:

O Assistance purely with the language of the report

➤ *Code of conduct*: This use is similar to using a spelling checker

O As a search engine to learn on a particular topic

- *Code of conduct*: This use is similar to e.g. a google search or checking Wikipedia. Be aware that the output of Chatbot evolves and may change over time.

O For literature search

- *Code of conduct*: This use is comparable to e.g. a google scholar search. However, be aware that some AI tools like ChatGPT may output no or wrong references. As a student you are responsible for further checking and verifying the absence or correctness of references.

X For Debugging Purposes

- *Code of conduct*: The hardware has a bug or is not functioning as expected, so you ask generative language models to diagnose and help fix the issue.

O To let it write one or more simple blocks

- *Code of conduct*: You need some common building blocks, and you request GenAI to generate them. Examples include arbiters, FIFOs, encoders/decoders, or memory modules.

O To let it write one or more complex blocks

- *Code of conduct*: Some complex blocks (usually related to system architecture and requiring integration with your existing code) is generated by GenAI. This could include components like processing element arrays/meshes, controller finite state machines (FSMs), or testbench blocks.

O To let it do architectural design

- *Code of conduct*: This is more related to architectural design. You describe aspects like data reuse or data flow patterns to GenAI, and it provide suggestions for architectural improvements. This may include recommendations for memory architecture, interconnects, or computation order.

O To Learn SystemVerilog Features or Syntax

- *Code of conduct*: You want to use one SystemVerilog's advanced grammar, but you don't know if you used it correctly. You seek for the help from GenAI to ensure your implementation is accurate.

X Other

To write a testbench for the systolic_array block in order to test it separately.

- *Code of conduct*: Contact the professor of the course or the promotor of the thesis. Inform also the program director. Motivate how you comply with Article 84 of the exam regulations. Explain the use and the added value of ChatGPT or other AI tool:

Further important guidelines and remarks

- ChatGPT cannot be used related **to data or subjects under NDA agreement**.
- ChatGPT cannot be used related **to sensitive or personal data due to privacy issues**.
- **Take a scientific and critical attitude** when interacting with ChatGPT (or other AI writing assistance tool) and interpreting its output. Don't become emotionally connected to AI tools.
- As a student you are responsible to comply with Article 84 of the exam regulations: your report or thesis should reflect your own knowledge. Be aware that plagiarism rules also apply to the use of ChatGPT or any other AI tools.
- **Exam regulations Article 84**: "Every conduct individual students display with which they (partially) inhibit or attempt to inhibit a correct judgement of their own knowledge, understanding and/or skills or those of other students, is considered an irregularity which may result in a suitable penalty. A special type of irregularity is plagiarism, i.e. copying the work (ideas, texts, structures, designs, images, plans, codes , ...) of others or prior personal work in an exact or slightly modified way without adequately acknowledging the sources. Every possession of prohibited resources during an examination (see article 65) is considered an irregularity."
- **ChatGPT suggestion about citation**: "Citing and referencing ChatGPT output is essential to maintain academic integrity and avoid plagiarism. Here are some guidelines on how to correctly cite and reference ChatGPT in your Master's thesis: 1. Citing ChatGPT: Whenever you use a direct quote or paraphrase from ChatGPT, you should include an in-text citation that indicates the source. For example: (ChatGPT, 2023). 2. Referencing ChatGPT: In the reference list at the end of your thesis, you should include a full citation for ChatGPT. This should include the title of the AI language model, the year it was published or trained, the name of the institution or organization that developed it, and the URL or DOI (if available). For example: OpenAI. (2021). GPT-3 Language Model. <https://openai.com/blog/gpt-3-apps/> 3. Describing the use of ChatGPT: You may also want to describe how you used ChatGPT in your research methodology section. This could include details on how you accessed ChatGPT, the specific parameters you used, and any other relevant information related to your use of the AI language model. Remember, it is

important to adhere to your institution's specific guidelines for citing and referencing sources in your Master's thesis. If you are unsure about how to correctly cite and reference ChatGPT or any other source, consult with your thesis advisor or a librarian for guidance.”

Additional reading

ACL 2023 Policy on AI Writing Assistance: <https://2023.aclweb.org/blog/ACL-2023-policy/>

KU Leuven guidelines on citing and referencing Generative AI tools, and other information:
<https://www.kuleuven.be/english/education/student/educational-tools/generative-artificial-intelligence>

Dit formulier werd opgesteld voor studenten in de Master of Artificial intelligence. Ze bevat een code of conduct, die we bij universiteitsbrede communicatie rond onderwijs verder wensen te hanteren.

Deze code of conduct schept een kader voor academiejaar 2023-2024, aanpassingen kunnen gebeuren in functie van nieuwe evoluties.