

# Paola cae mal

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**Abstract**—Write your abstract here.

**Index Terms**—Write up to three keywords about your work.

## I. INTRODUCTION

This is a template for MAS R&D projects, based on *IEEETran*. Here are some preliminaries about some common things you need to do to use the template:

- Add your references to the file *references.bib* and cite them as Mustermann and Smith [1] (if there are more than three authors, cite as Mustermann et al. [1]).
- Refer to sections as Sec. I.
- You can include figures as follows (note that the figure caption is below the figure). Refer to figures as Fig. 1.



Fig. 1: My caption

- You can add tables as follows (note that the table caption is above the table). Refer to tables as Tab. I.

TABLE I: My caption

Header 1	Header 2
Cell 1	Cell 2
Cell 3	Cell 4

- You can add equations as follows.

$$f(x) = \frac{1}{\sigma\sqrt{2\pi}} e^{-\frac{1}{2}\left(\frac{x-\mu}{\sigma}\right)^2} \quad (1)$$

Refer to equations as Eq. 1.

### A. Motivation

Describe the context of your work and the motivation for it.

### B. Problem Statement

Describe the problem you are addressing in the work.

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†Supervised by Prof. Dr. Sebastian Houben (Hochschule Bonn-Rhein-Sieg) and Mohammad Wasil (Hochschule Bonn-Rhein-Sieg)

‡Submitted in September 2024

### C. Proposed Approach

Write a short summary of your proposed approach.

## II. RELATED WORK

Summarise the relevant related work in this section and position your work with respect to the related work.

## III. BACKGROUND

This is an optional section in which you can introduce concepts, terms, or methods that are important for understanding your approach and that would not directly fit in Sec. IV. If you do not need this section, comment out the respective line in *report.tex*.

### A. Datasets

## IV. METHODOLOGY

Describe all conceptual details about your approach in this section. Add any necessary subsections to improve the presentation.

Feel free to rename this section to better reflect the concrete topic you are discussing.

## V. EVALUATION

If your work involved experiments, describe the experimental setup and the results in this section.

## VI. CONCLUSIONS

### A. Summary

### B. Contributions

### C. Future Work

## REFERENCES

- [1] M. Mustermann and J. Smith, “Some Title,” in *Some Conference*, 2023, pp. 1–8.

## ACKNOWLEDGMENT

Write your acknowledgments here.

### STATEMENT OF ORIGINALITY

[If AI assistants have not been used, use this sentence] I, the undersigned below, declare that this work has not previously been submitted to this or any other university and that it is, unless otherwise stated, entirely my own work.

[If an AI assistant has been used, use this sentence] I, the undersigned below, declare that this work has not previously been submitted to this or any other university and that it is, unless otherwise stated, entirely my own work. The report was, in part, written with the help of the AI assistant [AI assistant name] as described in the appendix. I am aware that content generated by AI systems is no substitute for careful scientific work, which is why all AI-generated content has been critically reviewed by me, and I take full responsibility for it.

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Date

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Signature

### APPENDIX

Please limit the main part of the report to 20 pages (not including the references, the statement of originality, and the appendix).

In your appendix, you can add any additional details about your work, such as:

- extra results that do not necessarily belong in Sec. V
- more detailed justifications of certain algorithm design decisions
- algorithm proofs

Additionally, in the case of using AI assistants, describe in detail what content was generated using an AI assistant. In particular, name the AI assistant(s) that you used and how they were used (e.g. which prompts were used, and for which parts of the project).