

## **Title with only first word capitalised**

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Your abstract text goes here. Minimum 200 words, maximum 1000 words or two pages including references, acknowledgements and short author bio. The content of your abstract should include at least one of the following: Description of the research problem you are investigating with justification of its importance and expected contributions of your thesis; Results so far and their analysis or plans for future development; Outline of prior unsuccessful work with proposed approaches for solution. Abstracts should have enough detail to allow review and proper placement into sessions. Choose between two to five keywords that highlight your work's relation to high-performance computing (HPC), your scientific domain, or any relevant points for allocating a poster or talk in an appropriate session. Talks are typically 15 minutes long including questions from the audience, but speakers will receive detailed instructions before the Symposium. Posters are typically presented during 1-hour sessions alongside 3-6 other posters and light refreshments. Sessions are usually deliberately interdisciplinary. Outstanding presentations will be recognised by awards following an expert review and feedback process. Cite or acknowledge AI tools if used heavily in the preparation of the abstract [2]. This body of text has the minimum 200-word length required for the abstract.

Optional figure, diagram, illustration, or image of your work

This box is 8cm tall by 15cm wide. Your figure can have different dimensions but must fit within the 2-page maximum including references, acknowledgements, and bio, and leave enough space to meet the 200-word minimum.

*Figure 1.* A complete description of the figure in this caption will allow other participants at the Doctoral Symposium to learn about your work at a glance.

*Keywords:* descriptive terms; 2 min; 5 max; relation to HPC; scientific domain

## References

- [1] This section is optional. Only list references that are cited directly in the abstract. Use IEEE format. Cite or acknowledge AI tools (ChatGPT, Grammarly, DeepL, etc.) if used heavily in preparing the abstract.
- [2] “ChatGPT-4-turbo.” OpenAI. Accessed: Feb 19, 2025. [Online]. Available: <https://openai.com>
- [3] J. K. Author, “Name of paper,” *Abbrev. Title of Periodical*, vol. x, no. x, pp. xxx–xxx, Abbrev. month, year, doi: xxx

## Acknowledgments

This section is optional. The authors acknowledge collaborators, funding sources and AI tools that were used heavily in preparing the abstract. Collaborators and contributors who could not be listed as co-authors due to the recommended 3 author maximum can be acknowledged here.

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