DTU Compute
Department of Applied Mathematics and Computer Science

Thesis title

by Mohammad Amin Hasanpour

PhD Thesis

Thesis title
by Mohammad Amin Hasanpour

PhD Thesis
January, 2026

By
Mohammad Amin Hasanpour

Copyright: Reproduction of this publication in whole or in part must include the customary bibliographic citation, including author attribution, report title, etc.
Cover photo: Vibeke Hempler, 2012
Published by: DTU, Department of Applied Mathematics and Computer Science, Richard Petersens Plads, Building 322, 2800 Kgs. Lyngby Denmark
www.compute.dtu.dk
ISSN: [0000-0000] (electronic version)
ISBN: [000-00-0000-000-0] (electronic version)

ISSN: [0000-0000] (printed version)
ISBN: [000-00-0000-000-0] (printed version)

English Abstract

English abstract goes here.

Dansk Abstrakt

Danish abstract goes here.

Acknowledgements

Acknowledgements go here.

Tool Acknowledgements

In writing this thesis, I have been making use of Generative AI services such as Grammarly and ChatGPT to improve writing and make grammatical corrections.

Contents

1 Introduction

Introduction goes here.

2 Paper A: Pump Cavitation Detection with Machine Learning: A Comparative Study of SVM and Deep Learning

Paper A goes here.

3 Paper B: EdgeMark: An automation and benchmarking system for embedded artificial intelligence tools

Paper B goes here.

4 Paper C: A Survey of Quantization Techniques in Embedded AI Toolchains

Paper C goes here.

5 Conclusions and Future Directions

Conclusion goes here.

Bibliography

[1] Philipp Lehman et al. *Biblatex – Sophisticated Bibliographies in LaTeX*. 2018. URL: https://www.ctan.org/pkg/biblatex.

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

Technical
University of
Denmark

Richard Petersens Plads, Building 322
2800 Kgs. Lyngby
Tlf. 45 25 17 00

www.compute.dtu.dk