



POLITECNICO
MILANO 1863

SCUOLA DI INGEGNERIA INDUSTRIALE
E DELL'INFORMAZIONE

Title

MASTER'S THESIS IN
ENGINEERING PHYSICS

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Abstract

Here goes the Abstract in English of your thesis followed by a list of keywords.

Keywords: here, the keywords, of your thesis

Abstract in lingua italiana

Qui va l'Abstract in lingua italiana della tesi seguito dalla lista di parole chiave.

Parole chiave: qui, vanno, le parole chiave, della tesi

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Introduction

Here goes the Introduction of your thesis.

1 | Lithium-Ion Batteries

Here goes the motivation for Li-ion batteries.

1.1. Overview

Here goes the basic working of the Li-ion batteries.

1.1.1. Anode

1.1.2. Cathode

1.1.3. Electrolyte

1.1.4. Separator

1.1.5. Current Collectors

1.1.6. Cell Geometries and Designs

1.2. Safety and Degradation

1.2.1.

2 | Synchrotron X-Ray Imaging

3 | 4D data Segmentation

4 | Conclusions and future developments

A final chapter containing the main conclusions of your research/study and possible future developments of your work have to be inserted in this chapter.

A | Appendix A

If you need to include an appendix to support the research in your thesis, you can place it at the end of the manuscript. An appendix contains supplementary material (figures, tables, data, codes, mathematical proofs, surveys, . . .) which supplement the main results contained in the previous chapters.

B | Appendix B

It may be necessary to include another appendix to better organize the presentation of supplementary material.

List of Figures

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List of Symbols

Variable	Description	SI unit
\boldsymbol{u}	solid displacement	m
\boldsymbol{u}_f	fluid displacement	m

Acknowledgements

Here you might want to acknowledge someone.

