**Title of the Masters/Doctoral Thesis**

**<**Capitalize Each and Every Significant Word. Title should be concise and a statement of the main results/conclusion. Avoid vague, ambiguous titles>

by

Rob N. Banks

A thesis submitted to the   
School of Graduate and Postdoctoral Studies in partial  
fulfillment of the requirements for the degree of

**Degree Name in Program Name**

**<**Doctor of Philosophy in Program Name, Master of Science in Program Name…, Master of Arts in Program Name etc. >

Department/School/Faculty Name

University of Ontario Institute of Technology (Ontario Tech University)

Oshawa, Ontario, Canada

Month Year **<**Month and Year final thesis was approved>

© Your Name, Year

**THESIS EXAMINATION INFORMATION**

Submitted by: **Your Name**

**Degree Name** in **Program Name**

|  |
| --- |
| Thesis title: |

An oral defense of this thesis took place on <Date of Defence (e.g. April 1, 2017)> in front of the following examining committee:

**Examining Committee:**

|  |  |
| --- | --- |
| Chair of Examining Committee | NAME |
| Research Supervisor | NAME |
| Research Co-supervisor | NAME <Include if applicable> |
| Examining Committee Member | NAME |
| Examining Committee Member  Thesis Examiner | NAME <Include if applicable>  NAME, affiliation <Include for Master’s Only> |
| University Examiner | NAME <Include for PhD Only> |
| External Examiner | NAME, affiliation <Include for PhD Only> |

The above committee determined that the thesis is acceptable in form and content and that a satisfactory knowledge of the field covered by the thesis was demonstrated by the candidate during an oral examination. A signed copy of the Certificate of Approval is available from the School of Graduate and Postdoctoral Studies.

**ABSTRACT**

Be concise and summarize the most important research contained in the thesis. Good abstracts normally state the problem(s) being addressed, the methods used to study the problem, and the general conclusions from the work. Do not include references, graphs or tables in the abstract.

Word limit: **150 words Masters**; **350 words PhD**

**Keywords:** chemistry; tacos; energy; justice; biology

**List up to 5 key terms separated by a semi-colon**

**AUTHOR’S DECLARATION**

I hereby declare that this thesis consists of original work of which I have authored. This is a true copy of the thesis, including any required final revisions, as accepted by my examiners.

I authorize the University of Ontario Institute of Technology (Ontario Tech University) to lend this thesis to other institutions or individuals for the purpose of scholarly research. I further authorize University of Ontario Institute of Technology (Ontario Tech University) to reproduce this thesis by photocopying or by other means, in total or in part, at the request of other institutions or individuals for the purpose of scholarly research. I understand that my thesis will be made electronically available to the public.

<If this research work required approval of Research Ethics board(s), or the Animal Care Committee, add the following statement.>

The research work in this thesis that was performed in compliance with the regulations of Research Ethics Board/Animal Care Committee under **REB Certificate number/Animal care certificate file number**.

<Delete statement if this is not required.>

|  |  |
| --- | --- |
|  | YOUR NAME |

**STATEMENT OF CONTRIBUTIONS <required>**

As of May 2018, **all** theses and dissertations are **required** to have a Statement of Contributions, which appears immediately before the Table of Contents. The Statement of Contributions **must** indicate the unique contributions of the author in the context of collaborative research that may have involved others who worked on various parts of the research described in the thesis. Types or contributions can include identification and design of the research project, performance of various parts of the research, and data analysis. In addition, if any parts of the thesis research have been published as an article, or is under consideration for publication, then the publication information must also be included here.

**Example 1**

The work described in Chapter 4 was performed at the Futuristic Automotive Research Centre of Excellence (FARCE) in Hill Valley, California, using the Flux Capacitor testing laboratory operated by Dr. Emmett Brown. I was responsible for installing and testing flux capacitors in my automotive prototype vehicles.

**Example 2**

Part of the work described in Chapter 5 has been published as:

J.T.S. Allan, L.E. Prest, E.B. Easton, “The sulfonation of polyvinyl chloride: Synthesis and characterization for proton conducting membrane applications”, *Journal of Membrane Science*, 489 (2015) 175-182. [doi: 10.1016/j.memsci.2015.03.093](http://dx.doi.org/10.1016/j.memsci.2015.03.093).

I performed the majority of the synthesis, testing of membrane materials, and writing of the manuscript.

**Example 3 – sole authorship**

I hereby certify that I am the sole author of this thesis and that no part of this thesis has been published or submitted for publication.  I have used standard referencing practices to acknowledge ideas, research techniques, or other materials that belong to others.  Furthermore, I hereby certify that I am the sole source of the creative works and/or inventive knowledge described in this thesis.

**ACKNOWLEDGEMENTS**

This is where the author typically acknowledges the people who supported them, including any organizations that provided funding for the work. This section should not be longer than two pages.

TABLE OF CONTENTS

<adjust layout to the norm of your discipline …..>

**Thesis Examination Information ................................................................................... ii**

**Abstract .......................................................................................................................... iii**

**Authors Declaration ....................................................................................................... iv**

**Statement of Contributions…………………………………………………………….v**

**Acknowledgements .........................................................................................................vi**

**Table of Contents .......................................................................................................... vii**

**List of Tables .................................................................................................................. xi**

**List of Figures................................................................................................................ xvi**

**List of Abbreviations and Symbols ........................................................................... xxvi**

**Chapter 1 Introduction ............................................................................................... 1**

1.1 Section …........................................................................................................... 2

1.1.1 subheading one …………......................................................................... 2

1.1.2 subheading two …………......................................................................... 3

1.2 Next Section ……............................................................................................... 2

1.1.1 subheading one …………......................................................................... 2

1.1.2 subheading two …………......................................................................... 3

1.x Thesis Objectives ............................................................................................ 2

1.y References..................................................................................................... 34

**Chapter 2 Body of the thesis ..................................................................................... 40**

2.1 Section……… ................................................................................................. 40

2.1.1 subheading one …………....................................................................... 42

2.1.2 subheading two …………....................................................................... 43

2.2 Next Section .................................................................................................... 44

2.1.1 subheading one …………....................................................................... 44

2.1.2 subheading two …………....................................................................... 51

2.x References ..................................................................................................... 64

<Add more chapters as needed>

**Chapter 3 Conclusions ….……................................................................................. 65**

3.1 Section……… ................................................................................................. 65

3.1.1 subheading one …………....................................................................... 65

3.1.2 subheading two …………...................................................................... 66

3.2 Next Section .................................................................................................... 68

3.1.1 subheading one …………...................................................................... 70

3.1.2 subheading two …………...................................................................... 71

3.x References .................................................................................................... 72

**Bibliography ………………...……........................................................................... 73**

**Appendices ….………………….…........................................................................... 77**

Appendix A ………............................................................................................... 78

A.1 sub-appendix ……………….................................................................... 78

A.2 sub-appendix ……………….................................................................... 79

Appendix B ………............................................................................................... 78

B.1 sub-appendix ………………..................................................................... 78

B.2 sub-appendix ………………..................................................................... 79

**LIST OF TABLES**

< This must be included if you have Tables in your thesis. Include the table caption in the listing. Remove this page if your thesis does not have any tables. >

**CHAPTER 3**

Table 3.1: Table caption for this table …………………........................................... 36

Table 3.3: Table caption for this table …………………........................................... 41

**CHAPTER 4**

Table 4.2: Table caption for this table …………………........................................... 52

**LIST OF FIGURES**

< This must be included if you have Figures in your thesis. Include the Figure caption in the listing. Remove this page if your thesis does not have any figures. >

< If you are inserting figures from other sources, they are most likely copyrighted and cannot be reproduced without the permission of the publisher. Reputable publishers will allow you to include content in your thesis for free so long as you ask permission (usually by a web-form) and cite the work properly, including adding a statement that the item was reproduced with permission of the copyright holder >

**CHAPTER 1**

Figure 1.1: Figure caption for this figure ……….………........................................... 36

Figure 1.2: Figure caption for this figure …….…………........................................... 41

**CHAPTER 2**

Figure 2.1: Figure caption for this figure …….…………........................................... 52

**LIST OF ABBREVIATIONS AND SYMBOLS**

< This must be included if your thesis employs symbols and/or abbreviations. They may go in any order you wish, commonly in either order of appearance or alphabetical order. These are primarily for the benefit of the readers to help them find a definition quickly>

AC alternating current

EIS Electrochemical Impedance Spectroscopy

FTIR Fourier Transformed Infrared Spectroscopy

GC Gas Chromatography

GDE Gas Diffusion Electrode

IDK I don’t know

 angle

# **Introduction**

## 1.1 Appropriate subtitle here

Type words here

## 1.2 Appropriate Subtitle Here

# REFERENCES

<Keep formatting consistent. Choose a formatting/citation style based on the norms of your discipline. >

# **Body of thesis**

## 2.1 Appropriate subtitle here

Type words here

## 2.2 Appropriate Subtitle Here

# REFERENCES

<Keep formatting consistent. Choose a formatting/citation style based on the norms of your discipline. >

# **Conclusions**

## 3.1 Appropriate subtitle here

Type words here

## 3.2 Appropriate Subtitle Here

# REFERENCES

# <Keep formatting consistent. Choose a formatting/citation style based on the norms of your discipline. >

# **Appendices**

## Appropriate subtitle here

Insert content here

## Appropriate subtitle here

Insert content here

## Appropriate subtitle here

Insert content here

## Appropriate subtitle here

Insert content here