

CRANFIELD UNIVERSITY

CHRISTIAN NAME SURNAME

**THESIS TITLE**

SCHOOL OF DEFENCE AND SECURITY  
Centre for Electronic Warfare, Information and Cyber

Ph.D  
Academic Year: 2019

Supervisor: Supervisor  
April 2019



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## **ABSTRACT**

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.

## **Keywords**

Keyword 1; keyword 2; keyword 3.



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## **LIST OF ALGORITHMS**



## **LIST OF PROGRAMMING CODES**





## **ABBREVIATIONS**

EWIC            Centre for Electronic Warfare, Information and Cyber



## SYMBOLS, UNITS AND NAMES

Symbol	Unit	Name
$A$	$m$	Antenna, cartesian coordinate (transceiver).



## PUBLICATIONS

Corbett B, “**My title**”, *IEEE geoscience*, vol. 10, no. 20, pp. 550-560, 2019

Corbett B, “**My title**”, *IEEE geoscience*, 2019

Corbett B, “**My title**”, *To Be Published*, 2019



# **1. FIRST CHAPTER**

## **1.1 First Section**

### **1.1.1 First Sub Section**

**First Sub Sub Section**





## 2. EXAMPLES

### 2.1 Cleveref, Figures and Equations

Use the cleveref package for referencing; e.g. reference chapter: ??



**Figure 2.1: My figure. Left aligned text is set in the style file, so you can write lots of text and still have the figure caption look professional.**

Reference lowercase figure: ??

Reference uppercase figure: ??

$$x = \sqrt{\frac{1}{MN} \sum_{i=0}^{N-1} \sum_{j=0}^{M-1} (I_{ij} - \bar{I})^2} \quad (2.1)$$

Reference lowercase equation: ??

Reference uppercase equation: ??

Aligned equations:

$$y = a_1x + b_1 \quad (2.2)$$

$$y = a_2x + b_2 \quad (2.3)$$

$$y = a_3x + b_3 \quad (2.4)$$

$$y = a_4x + b_4 \quad (2.5)$$

Cref range example of aligned equations: ??–??

Mixed cref references example: ????????

## 2.2 Table Example

Table example reference is shown here: ??.

Col 1	Col 2	Col 3
1	4	7
2	5	8
3	6	9

**Table 2.1: Here is my first table.**

## 2. EXAMPLES

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### 2.3 Algorithm Example

Algorithm example reference is shown here: - ??.

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**Algorithm 2.1** Calculate  $y = x^n$

---

**Require:**  $n \geq 0 \vee x \neq 0$

**Ensure:**  $y = x^n$

$y \leftarrow 1$

**if**  $n < 0$  **then**

$X \leftarrow 1/x$

$N \leftarrow -n$

**else**

$X \leftarrow x$

$N \leftarrow n$

**end if**

**while**  $N \neq 0$  **do**

**if**  $N$  is even **then**

$X \leftarrow X \times X$

$N \leftarrow N/2$

**else**  $\{N$  is odd $\}$

$y \leftarrow y \times X$

$N \leftarrow N - 1$

**end if**

**end while**

---



## **3. NEW CHAPTER**

### **3.1 Section**

#### **3.1.1 Sub Section**



## **A. APPENDIX CHAPTER**

### **A.1 Section**