

THE COOPER UNION FOR THE ADVANCEMENT OF SCIENCE AND ART  
ALBERT NERKEN SCHOOL OF ENGINEERING

# **Computer Vision for Vehicle Emission Estimation**

By

Aidan Cusa

A thesis submitted in partial fulfillment of the requirements for the degree of  
Master of Engineering

Advisor

Carl Sable

THE COOPER UNION FOR THE ADVANCEMENT OF SCIENCE AND ART

ALBERT NERKEN SCHOOL OF ENGINEERING

This thesis was prepared under the direction of Carl Sable and has received approval. It was submitted to the Dean of the School of Engineering and the full Faculty, and was approved as partial fulfillment of the requirements for the degree of Master of Engineering.

---

Barry L. Shoop, Ph.D, P.E. - Date  
Dean, Albert Nerken School of Engineering

---

Carl Sable, Ph.D - Date  
Candidate's Thesis Advisor

## **Abstract**

Hello

# Contents

1	Introduction	1
2	Background Research	1
3	Dataset	1
4	Methodology	1
5	Experimentation and Results	1
6	Discussion	1
7	Limitations	1
8	Future Work	1
9	Bibliography	1

**1 Introduction**

**2 Background Research**

**3 Dataset**

**4 Methodology**

**5 Experimentation and Results**

**6 Discussion**

**7 Limitations**

**8 Future Work**

**9 Bibliography**