

Certification of Dissertation

I certify that the ideas, experimental work, results, analyses, software and conclusions reported in this dissertation are entirely my own effort, except where otherwise acknowledged. I also certify that the work is original and has not been previously submitted for any other award, except where otherwise acknowledged.

A handwritten signature in black ink, appearing to be 'L.S.A.', written over a horizontal line.

Signature of Candidate

30/07/2019

Date