

Declaration

I declare that this thesis is my own, unaided work. It is being submitted for the degree of Doctor of Philosophy of Science at the University of the Witwatersrand, Johannesburg. It has not been submitted before for any degree or examination in any other university.



A handwritten signature in dark ink, appearing to read 'McCutcheon', written over a horizontal line.

Keir Robert Gregor McCutcheon

4 day of DECEMBER 2018