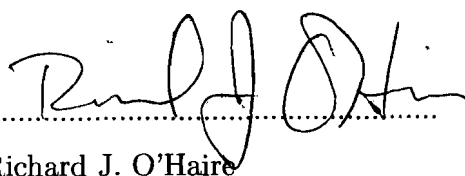


DECLARATION

I hereby certify that this material, which I now submit for assessment on the programme of study leading to the award of Doctor of Philosophy is entirely my own work, that I have exercised reasonable care to ensure that the work is original, and does not to the best of my knowledge breach any law of copyright, and has not been taken from the work of others save and to the extent that such work has been cited and acknowledged within the text of my work.

A handwritten signature in black ink, appearing to read 'Richard J. O'Haire', written over a horizontal dotted line.

Richard J. O'Haire

ID Number: 53128991

28th January, 2010