Cyber Security Research Scholarships of $20,011 p.a. are available to outstanding computing and cross disciplinary PhD and Research Masters students studying malware detection and analysis in complex enterprise systems under the supervision of Prof Richard Buckland.

You are invited to apply for scholarships to carry out research into new methods for detection of malicious software (malware) from analysis of system event logs.

Malware analysis is defined as the study of features and authorship of malicious software. Analysis of malware typically requires strong technical skills (reverse engineering of software, for example), an understanding of security context (knowledge of existing tradecraft of malware authors), and a great deal of patience. Malware authors routinely adjust their tradecraft to achieve their objectives, including the addition of features designed to prevent, delay or obfuscate malware analysis.

This PhD would investigate what range of indicators can be relied on for post-infection discovery of malware on a system or between systems.