



School of Computing, Engineering, and the Built Environment Edinburgh Napier University

PHD STUDENT PROJECT

Funding and application details

Funding status: Self-funded students only

Application instructions:

Detailed instructions are available at <https://www.napier.ac.uk/research-and-innovation/research-degrees/how-to-apply>

Prospective candidates are encouraged to contact the Director of Studies (see details below) to discuss the project and their suitability for it.

Project details

Supervisory Team:

- DIRECTOR OF STUDY: Petra Leimich (Email: P.Leimich@napier.ac.uk)
- 2ND SUPERVISOR:

Subject Group: Cyber-security and system engineering

Research Areas: Cyber security

Project Title: Trusted Evidence Gathering and Timeline For Law Enforcement

Project description:

A current weakness in many evidence gathering infrastructures is the handling of digital evidence bags, and how they are handled through criminal investigations and for insurance purposes. This work aims to understand the key stakeholders involved in the handling of digital evidence, and understand the key areas of the trustworthiness of the data, including the immutability of the gathered evidence and in the evidence chain. Overall, the privacy-preserving of the data gathering and access will be important drivers for the research.

References:

Candidate characteristics

Education:

A second class honour degree or equivalent qualification in Cybersecurity or Digital Forensics or similar

Subject knowledge:

- Programming, particularly Python
- Blockchain
- Cloud Computing

Essential attributes:

- Able to work independently

Desirable attributes: