



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://blogs.napier.ac.uk/scebe-research/available-phd-student-projects/>

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: Wegene Demeke (Email: W.Demeke@napier.ac.uk)
- 2ND SUPERVISOR:

Subject Group: Applied informatics

Research Areas: Not listed, Information management

Project Title: Understanding Barriers and Facilitators to Technology Adoption Among Older Adults: A Mixed-Methods Approach

Project description:

To explore and understand the multi-dimensional factors that either impede or facilitate the use of new technology among older adults, and to develop guidelines or interventions that can enhance their technological literacy and adoption rates.

References:

- [1] V. Venkatesh and H. Bala, Technology acceptance model 3 and a research agenda on interventions, *Decis. Sci.* 39 (2008), no. 2, 273–315.

- [2] Lucas, H. C., & Spitler, V. (2000). Implementation in a world of workstations and networks. *Information and Management*, 38(2), 119–128.
[https://doi.org/10.1016/S0378-7206\(00\)00059-8](https://doi.org/10.1016/S0378-7206(00)00059-8)

Candidate characteristics

Education:

A first-class honours degree, or a distinction at master level, or equivalent achievements in Human-computer interaction, Information Systems

Subject knowledge:

- HCI,
- Information systems,
- statistics and research methods.

Essential attributes:

- Research skills
- Excellent communication skills
- Basic understanding of current technological tools and devices.

Desirable attributes: