JOB DESCRIPTION

Job Title:	Cyber Security Researcher (CUREX project)	Grade:	AC1
Department:	Computing & Information Systems	Date of Job Evaluation:	N/A
Role reports to:	Associate Professor in Cyber Security		
Direct Reports	N/A		
Indirect Reports:	CUREX project partners, Faculty Staff and researchers		
Other Key contacts:			

This role profile is non-contractual and provided for guidance. It will be updated and amended from time to time in accordance with the changing needs of the University and the requirements of the job.

PURPOSE OF ROLE:

This role relates to CUREX (seCUre and pRivate hEalth data eXchange), a 5-million Euro H2020 research and innovation action project. The vision of CUREX is to safeguard patient privacy and increase their trust in the currently vulnerable critical healthcare information infrastructures, especially in cases where data is exchanged among healthcare stakeholders within any business, operational and systemic cross-border environment. By leveraging novel methods on ontological health data modelling, vulnerability discovery, threat intelligence, cybersecurity and privacy risk assessment methodologies, and state-of-the art in blockchain technologies for health data, CUREX aims at enabling secure and authorised sensitive health data exchange.

The specific role relates to research and develop methods for selecting optimal cyber security and privacy controls in CUREX use cases. In addition to supporting the research project with internal and external collaborators, the position will serve as a platform for the researcher to develop their career and profile as an independent researcher. The potential for the development of knowledge and skills in cyber security risk management and remediation of cyber-attacks may help the researcher develop an independent research agenda. This work will be carried out under the supervision of the Associate Professor in Computer Science and in collaboration with several researchers in the team.

KEY ACCOUNTABILITIES:

Team Specific:

- To propose and develop novel methodologies for selecting optimal cyber security and privacy controls in the CUREX project use cases.
- To experimentally evaluate the performance of the system developed.
- To contribute towards the communication of research findings, by participating in the writing of papers
- To contribute and lead the preparation of project deliverables.

- To participate in physical meetings around Europe, to attend and occasionally lead weekly teleconferences of the project.
- To disseminate project results in international conferences and journals.
- To work under the supervision of the lead Researcher.
- Communicate regularly with project partners to ensure realism and applicability of methods developed.

Managing Self:

- To work in a flexible manner, ensuring research outcomes are met
- Ability to work on own initiative, but to ask when needing support
- To work with others as part of a research team
- Ability to work to deadlines
- Ability to work on own initiative without constant supervision
- Ability to work accurately under pressure

Core Requirements:

- Adhere to and promote the University's policies on Equality and Diversity and Information Security;
- Ensure compliance with Health & Safety and Data Protection Legislation;
- Support and promote the University's Sustainability policies, including the Carbon Management Plan, and carry out duties in a resource efficient way, recognising the shared responsibility of minimising the university's negative environmental impacts wherever possible.

KEY PERFORMANCE INDICATORS:

- Meeting project deliverable deadlines
- Preparation and publication of research findings in international peer-reviewed journals and conferences

KEY RELATIONSHIPS (Internal & External):

Internal:
- Associate Professor in Computer Science
- Associate Professor in Cyber Security

External:
- The principal investigators of our CUREX partners.

PERSON SPECIFICATION	
Essential	**Desirable**
Experience Experience and knowledge of at least one of the following areas: ● Cyber security or data privacy ● Information security management ● Mathematical optimisation or Game theory ● Decision support	**Experience** ● Information Security Management ● Mathematical optimisation
Skills ● Highly competent software developer ● Able to work to strict deadlines	**Skills** ● Strong technical writer
Qualifications ● BSc/MSc in computer science, engineering, mathematics or a related topic	**Qualifications** ● Additional certifications in cyber security or mathematical optimisation or game theory
Personal attributes ● We are looking for people who can help us deliver the values of the University of Greenwich: Excellence, Determination, Inclusivity, Ambition and Creativity	**Personal attributes** ● N/A