

Cybersecurity and Privacy in Smart Environments

Currently, smart devices keep getting introduced in our cyber-physical environment, providing enhanced functionality, and improving the quality of our life. Nonetheless, at the same time these new devices introduce a number of threats to the security and/or privacy of their users.

At Hertfordshire University, we have a track record in intrusion detection and incident response, and we welcome applicants who would like to contribute to the state-of-the-art in intrusion detection in smart environments, such as smart homes, smart cities, etc.

As such, we welcome applications of PhD studentships in the domain of *Cybersecurity and Privacy in Smart Environments*. The applicant may select to focus on and make contributions to knowledge in topics such as: data-driven intrusion detection, adversarial machine learning, attack reconstruction and attribution. As part of the PhD the applicant will be expected to publish original research in esteemed academic venues, such as IEEE Transactions and Computers & Security.

Applicants must hold a very good first or upper-second class degree in Computer Science or a relevant discipline (or equivalent overseas qualification), and/or a good Master's degree (or equivalent experience/qualifications). More importantly they must have a willingness to work hard and to extend their current technical skills. Finally, applicants must be comfortable in at least one programming language and having prior data science or machine learning experience is desirable but not essential.

Applicants are encouraged to look at previous work by Dr. Alexios Mylonas and contact him for an informal discussion before submitting their application.

Dr Alexios Mylonas

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