

WEEK 1 Welcome to the course

MEET THE TEAM

Lead Educator

Dr Steve Riddle is a Senior Lecturer in Computing Science and Programme Director for Newcastle University's MSc in Computer Security and Resilience. Steve will lead you through the next three weeks, and introduce you to the Educator and Mentor team who will guide your journey.

Educators

Our Educators have all been researchers in the School of Computing Science at Newcastle University drawn from the Centre for Cybercrime and Computer Security (CCCS)] and the Secure and Resilient Systems Group. Their research interests make them the perfect team to help you learn more about these important topics.

Dr Mohammed Aamir Ali's research is around exploiting the potential vulnerabilities in the payment eco-system.

Dr Dylan Clarke's research is in applications of encryption, such as electronic voting and multi-factor authentication, with a focus on the analysis of the effectiveness of systems in providing resilience and tolerating attacks.

Dr Kovila Coopamootoo's current research is in cognitive aspects of privacy and security decision-making, empirical experiments within the science of cyber security and dependable systems with privacy as a key component. Her research involves cognitive effort in decision-making (using eye-tracking and physiological measurements) and mental models (including mixed method research). Her interests expand to usable privacy and security and user decision-making under uncertainty.

Dr Martin Emms's research focuses on the potential vulnerabilities in Near Field Communications (NFC) based payment technologies and solutions that can reduce or eliminate these vulnerabilities.

Dr Charles Morisset is a Lecturer in Security at Newcastle University and his research interest is on quantitative techniques for security systems, in particular those related to authorisation policies.

Dr Siamak Fayyaz Shahandashti's work is mainly focused on the security of e-voting systems from a cryptographic point of view. His other research interests include privacy-preserving cryptography, biometric authentication, mobile and payment security, and cryptocurrency security. Sia is now a lecturer at University of York.

Professor Aad van Moorsel is Professor in Cyber Security. His group conducts research in security, privacy and trust. The group's research in various aspects of risk management, with a current emphasis on security and usability trade-offs in payment systems.

Maryam Mehrnezhad: At the 2016 Annual Conference for the Academic Centres of Excellence in Cyber Security Research, Newcastle PhD Student Maryam won a best PhD research award. She was also nominated recently for the 2016 John Karat Usable Privacy and Security Student Research Award.