Multidisciplinary Security Research @LU

Technical
• Cyber systems
• Machine learning/AI
• Automation and robotics

Social
• Law and policing
• Policy and regulations
• Defence, information warfare, security futures
• Leadership, Management and security governance

Human
• Behavioural science and trust
• Ethics
• Citizen protection
• Insecurities and resilience

Environmental
• Energy security
• Maritime security
• Sustainability
• Resilience

Prepared by Professor Basil Germond, Co-Director of the Security Lancaster research institute
Our cross-disciplinary socio-technical research is actively complemented by policy engagement and education to deliver innovative solutions to today’s complex security challenges that affect people and societies.

We further cultivate innovation and entrepreneurship by facilitating the exchange of ideas and information through the sharing of facilities, the creation of networks of like-minded individuals, and through the development of a ‘social infrastructure’. We bring together people from government, business, academia and the protection industries to create new perspectives on security, innovation and responsible entrepreneurship in a rapidly changing world.

As a University Institute, Security Lancaster draws on excellence from across the University to deliver world class research and education that challenges the way individuals, organisations, and societies secure and protect themselves. We deliver several Masters and professional development programmes (e.g., MSc in Cyber Security), and fosters a collegiate and innovative research environment through year-round activities.

Our members have disciplinary expertise in:
- Cyber security, Machine learning, Automation, Geopolitics & Defence,
- Future wars, Business & Management, Behavioural science, Linguistics,
- Policing, Law, Ethics.

Our approach to security is comprehensive: National security, Economic & Societal security, Citizen protection.

Our multi-disciplinary research addresses challenges across the entire security spectrum: Technology, Society, Users.

Research Themes

The Institute is driven by an ethos of undertaking theoretically rich, user-inspired research. We accomplish this by building on long-established collaborations with organisations and government departments from a range of sectors and scales.

Secure Systems

Assured Autonomy

Secure AI

Secure Publics

(Behavioural Science and Security Futures)