



National Cyber Deception Laboratory



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Aims and Objectives

Mission Statement

To be recognised as the UK's nexus for cyber deception in proactive cyber defence.

The National Cyber Deception Lab (NCDL) will bring together a unique range of internationally renowned practitioners and researchers in the field of Cyber Deception across government, academia and industry. By building on this existing foundation, we will create an environment that catalyses imaginative and innovative cyber deception research.

Cranfield University, in partnership with the UK Defence Cyber School, will support the establishment of the NCDL which will facilitate, encourage and promote a worldclass portfolio of research activity, and provide advice across the full spectrum of cyber deception operations. In particular, the NCDL will conduct research aimed at exploring concepts within each of the following themes:

- Cyber Deception in the context of national defence and security
- Denying attackers the freedom to operate within our networks
- Cyber Deception as an effective means of manoeuvre in cyberspace
- Communicating intent to aggressively defend
- Deterring cyber attacks
- Shaping the behaviour of cyber attackers
- Layered approach to defensive cyber operations
- Developing the means to exploit cyberspace to our best advantage
- Moving Cyber Defence on to the front foot

The 3 Pillars that will provide the foundation of the NCDL are:

Research By providing a platform utilising cutting edge industry and enterprise vendor solutions, researchers will be able to conduct research, share activities and their findings when exploring the concepts at play in Cyber Deception. The NCDL aims to be a force multiplier in the advancement of cyber deception understanding and capability within the UK and her partners.

Collaboration The NCDL will facilitate the connecting of individuals and organisations, from across multiple sectors to deliver innovative and novel approaches to the development of Cyber Deception capabilities.

Guidance By providing advice and guidance on the effective use of Cyber Deception as part of a cyber defence strategy, the NCDL aims to enhance the capability of existing practitioners and support those discovering it for the first time in order to help the UK and her partners become a hard target in cyberspace. This knowledge will be curated over time through consultation with partners across industry and academia, and advanced through research.

Lab Partnership

Technology Vendors: & Cyber Security Organisations
I am reaching out to vendors and cyber security organisations for support. As a non-profit entity we are seeking tool/product/resource contribution for use in research and as part of the community based interactions that will occur in the NCDL. Here researchers, suppliers and customers will be brought together to address problems,

explore opportunities and advance capabilities in a space not previously explored, in order to support our collective understanding in this space to aid the development of capabilities and strategies as well as in the provision of advice and guidance on cyber deception in proactive defence more broadly.

Corporate Sponsors:

There are also sponsorship opportunities available to help build the capacity of the NCDL and expand the exciting research and development activities in Cyber Deception hosted under the NCDL tailored to your interests.

By being involved with the NCDL through partnership and sponsorship, your organisation's involvement will be promoted via our website and at our events, and any your support will be cited in any research or activities in which your products / support is used. Further the NCDL is something you can also advertise your involvement with.

The NCDL will launch at the first National Cyber Deception Symposium on 6th November 2019.

Further details for attendance, sponsorship and exhibiting are available at:

www.cranfield.ac.uk/events/symposia/cyber-d

Further Information

For more information about the partnering, sponsoring or participating in the NCDL or the Cyber Deception symposium, please get in touch with Richard Munslow (r.munslow@cranfield.ac.uk) or Rob Black (r.black@cranfield.ac.uk). We look forward to discussing what would be the most appropriate package to meet your interests and business objectives.