ACCEPT:
Addressing Cybersecurity and Cybercrime via a co-Evolutionary approach to reducing human-related risks

Basic Information
EPSRC Human Dimensions of Cyber Security (HDoCs) 2016
£1.1m (funding amount £881k)
April 2017 – March 2019 (further extension expected)
18 researchers from 7 institutions working in 5 disciplines: Computer Science, Crime Science, Business, Engineering, Behavioural Science
http://accept.cyber.kent.ac.uk/

Consortium

Stakeholders Group

Advisory Board

Overall Aim
To develop a socio-technical framework and associated software tools that can help to:
• analyse the technological/behavioural co-evolution of cybersecurity/cybercrime ecosystems, and
• influence behaviours of a range of actors to reduce human-related cyber risk in the ecosystems.

Approaches
1. Theory-informed: Incorporate theoretical concepts from social, evolutionary and behavioural sciences which provide insights into the co-evolutionary aspect of cybersecurity/cybercrime ecosystems.
2. Evidence-based: Draw on extensive real-world data from different sources on behaviours of individuals and organisations within cybersecurity/cybercrime ecosystems.
3. User-centric: Develop a framework that can provide practical guidance to system designers on how to engage individual end users and organisations for reducing human-related cyber risks.
4. Real world-facing: Assess the effectiveness of the framework through user studies.

Socio-Technical Framework

Use Cases
• Use Case 1: Location Privacy
  Human-related privacy risks in the cyber-physical world
• Use Case 2: e-Fraud
  Human-related security risks to scams in the cyber-physical world
• Use Case 3: Human-as-a-Security-Sensor (HaaSS)
  Feedback-enhanced security event reporting by human users

Work Plan
• WP1: Socio-Technical Framework
• WP2: Design and Development of Software Tools
• WP3: Validation through Use Cases
• WP4: Project Management & Stakeholder Engagement

Contact Us
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