

Trust, Identity, Privacy and Security in the Digital Economy: Intents to submit



Background

This document contains all intents to submit received for the "Trust, Identity, Privacy and Security in the Digital Economy" call¹; this step of the process was compulsory but does not bind those listed below to apply to the call nor will we use this information in the assessment process.

How can I use this information?

We expect very high demand for this call and we have made this information publically available to encourage:

- **Applicants listed below:** to consider working in collaboration where to do so would improve the quality of research;
- **Interested collaborators (academic and non-academic):** to use the "Desired collaborators" and "Project Titles" columns to identify and contact projects that you are interested in collaborating with;

A small number of non-academic user organisations have also asked that we make their details available to prospective applicants. These details can be found at the bottom of the document - [Interested user \(non-academic\) collaborators](#)

Queries and help

In the first instance, we kindly ask that you contact Principal Investigators directly. While we will make all reasonable efforts to answer any queries, we have limited capacity to aid collaboration building.

¹ <https://www.epsrc.ac.uk/funding/calls/trustidentityprivacysecurity/>

Academic applicants

Principal Investigator	Institution	Project Title	Desired collaborators
Aad van Moorsel	Newcastle University	People Impact of Continuous Authentication and Data Sharing in Internet of Things	Use cases with special or specific needs for specific groups of people, for instance from collaborators in the Social Sciences, incl. health, ageing, social excluded, etc.
Alamgir Hossain	Anglia Ruskin University	Smart MOT (Monitoring and Online Training) to empower Citizen's confidence in digital economy	The project will require experts from computer science, social science, education, psychology and economics. This will also require technology companies for dissemination, community organisations to reach to the community users, schools to reach to the young users, local authorities, emergency services and security agencies as end users.
Alistair Milne	Loughborough University	Using distributed ledgers to support the 'Internet of Transactions'	disciplines: computer science, information and knowledge management, law, economics, supply chain and operations management; user organisations: firms in financial services or other industries seeking to address the problem of improving their costly and unreliable transaction processes.
Ana Canhoto	Oxford Brookes University	Technical and social solutions for the management of children's digital footprints	I have expertise in customer profiling and targeted marketing, and links with the key user group. - - I would like to partner with: - - Academic colleagues with expertise in data mining, algorithms and privacy preserving design; - - Commercial organisations with expertise in authentication and identity management, and privacy technologies. -
Anupam Nanda	Henley Business School, University of Reading	Being Me Being Social Being Digital	Academic expertise: Economists, Psychologists, Data Scientists, Applied Linguists - - User groups: consumer groups, technology SMEs and corporates
Arosha Bandara	The Open University	CITRUS: CITtizen-centric TRusted Urban Security	Disciplines: IoT data analytics, public policy including policing, public administration, law, sociology, consumer behaviour, humanities. - User Organisations: IoT technology/service provider/MK:Smart/police organisations, including Thames Valley Police and The Open University Policing Research Consortium.
Asma Adnane	University of Derby	Enhancement of productivity in a smart work environment	Academic disciplines: - 1. Computer science - 2. Psychology - Organization: - 1. Business with a smart environment. - 2. Architects and designers -
Atta Badii	Intelligent Systems Research Laboratory, School of Systems Engineering	Automated User-centric Privacy Protection Framework (APR)	<ul style="list-style-type: none"> • Additional academic disciplinary experts sought include business modelling in digital economy context, psychology and behavioural modelling. - - • The required User Organisations include e-health service providers and vendors, local government authorities as managers of a smart city infrastructure, law enforcement agencies. -

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Balbir Barn	Middlesex University	A Universal and Usable Values Framework for Designing Ubiquitous Systems	We have expertise in Computer Science (Raimondi), Software Engineering (BBarn), Logic and Philosophy of Computing (Primiero), Criminology, Sociology (R.Barn) and Psychology (Dhami). Our end-users include Youth offending Teams and a Social Enterprise from the charity sector. Expertise is sought in either: mathematics (probability), business and economics and moral philosophy.
Carsten Maple	University of Warwick	Recognising the Value of Online Information	We have established a strong consortium that involves expertise from cybersecurity, computer science, psychology, human behaviours and ethics. Additional guidance, advice, support and partners are welcome.
Chris Greenhalgh	University of Nottingham	From personal data to public good: co-creating cultural and societal value	We would welcome collaboration with other charities and public organisations which already use or plan to use personal and sensed data to create societal and/or cultural value.
Chris Hankin	Imperial College London	Game Theory and Cyber Physical Systems	We require economists or business school partners. We are in discussion with technology companies but have not finalised agreement yet.
Chris Speed	University of Edinburgh	ReUse-Chain: New business models toward a circular economy through distributed ledger technologies.	The research challenge requires a combination of academic teams to work closely with both problem holder organisations. Experts in design and business informatics are required to transpose WRAP recommendations into new service models. Computer scientists, designers and HCI teams are required to support the development of user centred ledger technologies.
Cong Ling	Imperial College London	Protecting wireless communications with physical layer security	Electrical engineering (signal processing), computer science (cryptography), technology company interested in commercialization of PLS
Daniele Doneddu	Swansea University	Trust, Security and digital awareness within developing knowledge economies	Academic Disciplines needed (outside current collaborators): Legal Experts
Daniele Doneddu	Swansea University	Resilience and security in next generation medical commercial pipeline development	Academic Disciplines (outside existing partners): Systems Engineering.
Daniele Doneddu	Swansea University	Culture and skills level roles in developing nations' cyber-security exposure	Academic Disciplines (outside existing partners): Behavioral Science in the Digital Economy.
Des Greer	Queens University of Belfast	VERA@me - Value, Effort, Risk, and Assurance in Decision Support for Secure Systems Planning	Companies/organisations who need to plan secure software development and are - • looking for help with the planning and decision making process - • seeking to involve human stakeholders and empower them to make rational decisions - • interested in collaborating on empirical research - • Interested in the economics of decision making for secure software development -

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Edgar Whitley	London School of Economics and Political Science	Digital CAMELLIA: Digital Capabilities and Management to Enable Legal Identity for All	Technical expertise: IT outsourcing; biometrics; national statistics; big data; social data analytics; mobile; IT and development; privacy; civil registration; personal identity verification. - - User organisations: Government and third sector organisations with an interest in legal identity both in the UK and internationally; diverse parties who rely on legal identities. -
Emil Lupu	Imperial College London	Market design to improve privacy and security resilience -	We require legal experts and users, in particular firms active in cyber-insurance markets and litigation of data breaches. We also seek collaboration from cloud service operators regarding the collective liability risks these firms face and the dependence of major infrastructures that may impact national security and economic output.
Emiliano De Cristofaro	University College London	Privacy-Friendly Analytics with Efficient and Private Data Aggregation	Industrial and public sector partners who routinely collect large datasets but seek to address the tension between privacy and utility in extracting value.
Enrico Gerding	University of Southampton	Mechanisms for Human Centered, Machine Managed Large Scale Meaningful Consent in the IoT driven Digital Economy	Computer science (HCI, autonomous agents, machine learning), policy experts, technology company providing data services, organisation for specific data domain (e.g. transport or healthcare and social media companies. We have strong ties in each of these domains government, industry and third sector domains.) -
George Kuk	Nottingham University Business School	Co-creating social algorithms and ecosystem with consent	In order to achieve the project objectives, academic disciplines will include: - · Computer science, geospatial science, arts and design, psychology, and user and open innovation. - User organizations will involve: - · VRM solution providers, curators and designers, indoor navigation, game technologists, arts and galleries, fashion and design
George Weir	University of Strathclyde	Automatic Classification of Extremist Content	We will seek collaborators with relevant experience in data processing, visualisation and end-user organisations with a focus upon relevant cybercrime investigation.
Gerard Parr	University of Ulster	Big Data and Cloud Services to Secure the Food Supply Chain	We wish to build on expertise we have developed as part of the RCUK DE IT as a Utility project with expertise in:- - Big Data - Sensors - Wireless Comms - Analytics - Farm Systems - Veterinary Science - Chemical/fertilizer specialists - Engagement with independent and statutory agencies with remit for Meat/food sector - bodies that represent the technologists of major supermarket retailers - Legal - Consumer Behaviour Experts
Glenford Mapp	Middlesex University	Developing a Cloud-Based Storage System to provide secure access to very sensitive data such as medical records using capabilities and digital filters.	Computer Science, Legal Experts, Management (since this is going to be a big system; it would need some administration), Healthcare Professionals (Doctors and Nurses), Cloud expertise (such as Rackspace), Care-Homes and hospitals. The Patients' community also needs to be consulted.
Haitham Cruickshank	University of Surrey	User Centric Privacy Design and Identity Management System (UC-PIMMS)	1. Collaborators with experience in any of connected-cars, smart home applications or smart cities. - 2. Collaborators with expertise in light weight cryptographic techniques that are more suitable for such user centric certificate generation and key management.

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Hamed Haddadi	Queen Mary University of London	Thinking Inside the Databox: Infrastructure for Managing Personal Data in the Internet of Things	Academic: Computer scientists (HCI, systems), to produce the core technology; Ethnographers and sociologists, to understand user responses to the Databox; Legal experts to ensure design is guided by current state-of-the-art principles and legal frameworks. - - Users: device manufacturers, service providers, user advocacy groups, and domain specific representatives. -
Helen Treharne	University of Surrey	Improving customer experience while ensuring data privacy for intelligent mobility	The Surrey Centre for Cyber Security will collaborate with the Surrey Business School, Loughborough University's Design School and the University of Southampton's Transportation Research Group. Collaborative stakeholders include RSSB, RRUKA and the Transport Systems Catapult (John Austin, Principal Technologist, Customer Experience), other transport and user organisations are sought.
Irene Ng	University of Warwick	Digital Visibility and Perceived Vulnerability: Economic system redesign for the Control, Coordination and Access to Personal Data	Prof Irene Ng; HAT lead at Warwick expertise in markets, economics and value ; Prof Roger Maull at Surrey, with expertise in systems. Prof Jon Crowcroft at Cambridge expertise in networked computing. Dr Glenn Parry at UWE, expertise in visibility, operations and supply chains. - Organisations: Hypercat, HATDEx, Technicolor, IBM, Cisco - -
Ivan Flechais	University of Oxford	HESTIA: User-Centred Household Data Security	computer science, information security, social sciences, economics; - - organisations currently operating in the household data security domain (including government, public sector, and civil society organisations); - - companies operating devices and services in the household (e.g. ISPs, device manufacturers, or service providers).
James Davenport	University of Bath	New mechanisms for control of data and identity protection	Team disciplines include computer science, mathematics, and social psychology. - - We seek academic collaborators in law, economics and management. - - We seek co-creators in the technology sector undertaking R&D in social media, financial services and / or medical data and in the public sector, such as the NHS and local authorities. -
Jeff Yan	Lancaster University	Natural experiments on privacy and cybercrime investigations	We're interested in academic collaborators working in efficient algorithms, and user organisations such as law enforcement agencies, and technology companies e.g. Facebook, Google and Flickr.
Jeremy Frey	University of Southampton	Trust in the Digital Food Network	Food producers, manufactures, distributors, shops and markets, consumers, regulators), informatics, Sensors, cloud and networking infrastructures, IoT manufactures, economics of the digital economy, interface designers, community and animal health, plant diseases experts, fraud advice
John Collomosse	Centre for Vision Speech and Signal Processing (CVSSP), University of Surrey	TAPESTRY: Trust, Authentication and Privacy over a De-Centralised Social Registry	Academic: Cyber Security, Computer Science, Social Science, HCI/Interaction Design, Psychology; End-users: Police/Security Services, Creative Industry (Games), Government, Financial Sector, Mobile and Internet Service Providers, Business Councils, Social Media sites, eHealth fora.

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John Tucker	Department of Computer Science, Swansea University	Data Sharing – Trust, Identity, Privacy and Security	User: DVLA as an exemplar of other organisations. - - Department of Computer Science, Swansea University: - • Formal methods: John Tucker; Markus Roggenbach - • Data visualisation, Machine learning and Visual Analytics: Mark Jones; Xianghua Xie; Matt Roach - - Institute for Criminal Justice Studies, University of Portsmouth: - • Victoria Wang (Information security and privacy social-technical; Formal methods) -
John Vines	Newcastle University	Financial transactions for delegation and transparency within (mis)trusted networks	The project requires expertise across human-computer interaction and design (for user-centered design and development), computer security (for security analysis) and social science (for understanding existing practices). User organisations that the research would benefit from include banks, public/voluntary sector organisations providing care services and budget payments, payments providers, and regulatory bodies.
Jon Robinson	Nottingham Trent University	Improving the perceived and actual security of vulnerable people in their homes by mediating trusted social capital.	Academic disciplines: Computer Science, Social Care, Psychology. - User Organisations: Community Organisations dealing with vulnerable people, utility companies. -
Jon Whittle	Lancaster University	Trust-based design in the Health Internet of Things	experts in trust from social sciences
Jordi Alastruey-Armon (KCL) & Tom Chen (City)	King's College London & City University London	Wearable Biometric Authentication of Identity	Users: companies or commercial organisations in the areas of wearables, smart devices (such as IoT), cyber security (particularly authentication), or biomedical interested in haemodynamics signals.
Jose Such	Lancaster University	Personalised privacy eXperience (PIX) -	We are interested in academic disciplines related to personalising privacy as well as user organisations, including companies from design to technology development, e-health, Internet of Things, smart cities/homes/grid, community organisations, and public/third sector. -
Joss Wright	University of Oxford	Caught in the Web: Studying the development and application of global internet filtering.	We have existing experience in network measurement and machine learning, but would welcome collaborators from these fields. Our particular interest is in strengthening our social and political science components. We have preliminary contact with human rights organisations, particularly focused on digital rights and freedom of expression, but welcome others.
Kashif Kifayat	Liverpool John Moores University	A Next Generation Access Control Model for Cloud Computing	The proposed project will need collaborative expertise in access control, cloud computing, intrusion detection and forensics, cognitive psychology, gaming and cyber security legislation. The project will strongly engage with cloud end users, security companies, data centres, Infrastructure, Platform and Software as Services companies for requirement analysis, testing and evaluation purposes.
Kevin Curran	Ulster University	Securing the internet through the detection of anonymous proxy usage	Banking, e-commerce end users welcome. Also, any companies which work in cybersecurity or have an interest in network packet analysis are also welcome. Please get in touch if you have any reason to think you can assist in a proposal like this.

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Klaus McDonald-Maier	University of Essex	Trust, Identity, Privacy and Security in Smart Pervasive Internet of Things Environments	We are looking to collaborate with technology companies, local governments, service providers and end users / community organisations.
Madeline Balaam	Newcastle University	Telling Trails: Evidence Creation, Use and Visibility in Community Health Advocacy	This project requires an interdisciplinary team: an applied psychologist with expertise in trust and security; an interaction designer to engage citizens in HDI; an information systems researcher with focus on data provenance; an experimental economist with expertise in 'nudge', an organization who can make use of citizen generated evidence.
Mark Rouncefield	Lancaster University	Trustworthy By Design	In researching trust as a complex contextual and organizational issue, and building these understandings into design, the project draws on a range of interdisciplinary skills and expertise from computer science, social science and the humanities. Our emphasis on co-creation depends on harnessing expertise and involvement from our existing organizational partners.
Mark Ryan (UoB) & Mirco Musolesi (UCL)	University of Birmingham & University College London	Context-aware controls for transparent security and privacy	User organisations: organisations that develop services having security and privacy requirements. For example: internet companies, city councils, retailers, health providers, ...
Mark Springett	Middlesex University	Harnessing real world knowledge to enhance older computer or smartphone users understanding of digital security, privacy and online risk assessment	We represent a computer science department with good links to the local community and specialist knowledge of digital literacy. We require additional expertise as follows; - • Legal experts in online transactions. - • Community activists. - • Social gerontologists. - • Designers with specialising in designing computer-based visualisations for education. - • Specialists in communication theory. -
Martina Angela Sasse	University College London	Supportive Security Guidance for SMEs: From Cyber Essentials to Sector-specific Security Policies and Implementations	Microeconomics. - Public policy and impact of regulation. - Organisational psychology, especially organisational change management. - UK Micro-businesses and SMEs seeking or maintaining PCI-DSS and Cyber Essentials compliance (we have 1 support company with 70 clients, but could accommodate more). - IT or Information Security representatives/advisors for sector-specific Industry Bodies.
Martina Angela Sasse	University College London	Learning who and what to trust	We need legal input to understand liabilities associated with agent technologies and the possibility of negotiating terms and conditions with software and service providers, and an avatar designer. Team currently consists of psychology, education and computer scientist/HCI researchers.
Mike Chantler	Heriot-Watt University	Interpersonal Trust in Digital Economy Networks and Communities	We have already developed meeting tools which have been used by 6 research councils and 21 universities and have strong, established contacts in these communities. We'd be looking for collaborators with either a behavioural economics, or applied psychology background to perform ethnographic studies and analysis.

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Mike Just	Heriot-Watt University	Improved security for society's vulnerable people	We will collaborate with 3rd sector groups and organisations that engage with vulnerable people, including those with access to computers (e.g., libraries). We will also work with psychologists and related experts in order to better understand the needs and limitations of vulnerable people. -
Mike Surridge	University of Southampton IT Innovation Centre	Trust and security management based on actionable interdisciplinary community knowledge.	IT Innovation provides expertise in the knowledge representation and machine reasoning methods used in the project. We need a computer science collaborator to provide expertise in IT security and an application domain researcher and/or end-user organisation providing domain knowledge for a target system.
Mikel Lujan	University of Manchester	Codesigning hardware and software systems to address Security	Private data holders with concerns for their security and access control
Min Chen	University of Oxford	A Visual Analytics Workflow for Detecting Fraudulent Research Papers	The PI and CI team covers three disciplines (visual analytics, computational linguistics, narrative analysis). Our external collaboration partner, Professor David Ebert (Purdue), is the head of the anti-plagiarism committee of IEEE CS responsible for many IEEE transactions and journals. Chen and Pierrehumbert can also reach out to several publication venues.
Monica Whitty	University of Leicester	Preventing and detecting mass marketing fraud	Computer science, criminology, HCI, industry working on detecting and preventing of scams and fraud, industry affected by criminals using their sites to target potential victims, law enforcement.
Naranker Dula	Imperial College London	Quid Pro Quo - Trusted Crowdsourced Marketplaces of Data Streams	We would be very happy to hear from companies and other organisations interested in developing innovative apps, services and business models for privacy-preserving data markets.
Neil Anderson	Dyne Consulting	The internet of values	computer science including encryption, machine learning big data, - law including anti-trust & privacy - economics including innovation & infrastructure policy - media policy including standards, anti-trust & privacy
Nigel Davies	Lancaster University	Trust and Consent in Future Smart Environments	We require a multidisciplinary research team incorporating collaborators in computer science, psychology and design. Additional collaborators in ethics or law could strengthen the proposal. We seek user organisations with demanding smart environments in medical, entertainment or commercial sectors that can be used to test new approaches to trust and consent.
Norman Poh	University of Surrey	Biometrics-enabled IoT (Biometric-IoT)	University of Surrey's 5G Centre will provide the required 5G/IoT technologies. We look for companies who are developing biometric technologies or delivering identity solutions; community organisations that provide forum between end-users and industrial organisation (e.g., the Biometrics Institute, FIDO alliance), partners who have expertise in psychologists and ICT lawyers.
Olga Angelopoulou	University of Hertfordshire	Big Data within Trust, Identity, Privacy and Security for the Digital Economy	Computer science and mathematics. - A possible collaboration with a world leading technology organisation will provide extra resources in terms of manpower.

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Panos Louvieris	Brunel University London	Digital Estates Securitisation (DigEstS)	Academic expertise needed: User Centred Design, Digital Ledgers & Cyber Security, Trading Platforms, Legal Frameworks, Policy & Governance Frameworks, Data Science. - User expertise needed: Financial Services & Sustainable Trading Platform, Healthcare, Third Sector, Marketing.
Paolo Palmieri	Bournemouth University	Location Privacy in Organizations and Monitored Settings	Academic disciplines involved: - - cryptography/privacy (computer science) - - economics/sociology/law of work - User organizations: - - workers' organizations - - employers' federation
Patrick McCole	Queen's University Belfast	An examination of a privacy-trust model for user acceptance and consumption of IoT solutions for participation in the digital economy	We seek to work primarily with a technology company that is actively working or designing IoT solutions in order to capitalise or tap the potential of this as yet unproven IoT application for social and economic impact. It is essential that this partner has access to an appropriate user/consumer base.
Paul Coulton	Lancaster University	Belief	This project will draw from an interdisciplinary team with expertise in design, behavioural economics, and internet of things system development and deployment that has already deployed systems within two church communities and has considerable interest from a number of other church communities.
Peter Edwards	University of Aberdeen	Trusted Things & Communities: Understanding and Enabling A Trusted IoT Ecosystem	User organisations: - Technology companies interested in lessons learnt from IoT deployments, or requiring trust/privacy solutions. - Utility companies interested in attitudes to IoT, technology solutions to enhance trust/confidence, solutions to deploy into our community testbed. - - Academic disciplines: - Legal input – to understand/shape regulatory context. - -
Peter Hall	University of the Arts London (Central St Martins)	Fair or Fair Game?	Expertise would be needed from design, ethnography, computer science and security, as well as representatives from communities related to health, education, and welfare public service sectors. We are enthusiastic about engaging with both user-led and professional organisations working with students, groups with high public healthcare needs and recipients of benefits.
Peter Johnson	University of Bath	Its not just the data – it's the intentions, contexts and the agreements between agencies about the data that matter.	We already have Social Scientists, Psychologists, Computer Scientists and Mathematicians involved. We have end users in defence, local authority welfare, social media and journalism.
Rajarajan Muttukrishnan	School of Mathematics, Computer Science and Engineering, City University London	Distributed Ledger Deployment Framework (DLDF)	<ul style="list-style-type: none"> • Academic Expertise Required: - Relevant additional expertise including distributed ledger aspects, behaviour modelling and secure computation - - • Stakeholders Required: - User groups - Relevant standardisation bodies - Banks and non-banks, large enterprises and SMEs - Cloud services provider -

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Richard Connor	University of Strathclyde	Authentication Management for Vulnerable Adults	Vulnerable user groups identified include adults suffering from short-term memory impairment, and adults in long-term care. We would welcome further connections with groups who are currently underprivileged in terms of internet engagement due to reduced capacity or privacy, and academics interested in novel authentication mechanisms.
Richard Jones	University of Edinburgh	Strengthening cyber security by preventing 'social engineering' attacks: Developing an integrated approach	Collaboration is welcomed from academic partners with relevant expertise in crime science, social psychology, practical and organizational security, cyber security, informatics, or UI/UX design; and from user organisations including law enforcement agencies, and Internet, computer security, or banking and finance companies.
Rob Procter	Warwick University	Helping with their Inquiries? Investigating the Police's use of Social Media	Academic: we have computer science and policing expertise. User organisations: police forces; College of Policing.
Robin Williams	The University of Edinburgh	Responsible Data Communities: collectively managed shared personal data digital economy services for the responsible use of personal data.	Our interdisciplinary consortium possesses expertise in privacy/regulation of personal data, systems design, security/identity management, system adoption/use, and in operating social experiments. We seek to strengthen academic inputs in business economics and engagements with community and voluntary sector organisations, as well as start-ups developing personal data management solutions in this field.
Rogério de Lemos	University of Kent	Cyber Guardians for the Digital Home	The project will require expertise in Computer Science (cyber security; fog and cloud computing; human computer interaction), and Social Sciences (community dynamics; collective perception of privacy and security). For the evaluation and exploitation of the self-adaptive cyber guardian we will need industrial partners (end users; security technology company).
Sarah Meiklejohn	University College London	Glass Houses: Transparency and Privacy in Information Economies	Technology companies, particularly those interested in financial technology or non-financial applications of distributed ledgers, and legal scholars.
Sarah Stevenage	University of Southampton	ROAMING: Robust and Usable Identity Management based on User Attitudes on Mobile Landscape	The project team comprises experts in mobile security, value-sensitive design, automated recognition, and user reliability. Key stakeholders are already identified in areas connected to emerging technologies, digital services, and security sectors. The proposal may be complemented by input from colleagues with interests in privacy and law.
Shamal Faily	Bournemouth University	Personas for Ethical Security Testing (PEST)	Our collaborators are expected to be organisations that will co-design and use PEST in professional practice; these include penetration testing consultancies, and technology companies which engage in security design and engineering.
Stephanie Wilson	City University London	Trust and privacy in smart energy systems: transforming energy consumption and management	Energy consumer organisations. - Social scientists with an interest in studying user trust and privacy in the wild. -
Steve Benford	University of Nottingham	Private and Secure interactions with Digitally Enabled Products at Home	User organisations with interests in developing or deploying augmented FMCG

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Stuart Anderson	University of Edinburgh	Identity for Service Integration and Coproduction	Our consortium already includes government, public and private sector health and care, suppliers of personally held record technologies to the NHS, voluntary and carer organisations, together with design, legal, social, ethical and responsible research and innovation expertise.
Thomas Gross	Newcastle University	Human cognition of security, privacy and trust decisions.	We look for social and cognitive psychology collaborators as well as security groups with complementary expertise. In addition, we seek to collaborate with industry and SMEs for case studies.
Tobias Preis	Data Science Lab, Behavioural Science, Warwick Business School	Unique in the Crowd: Humanly Generated Data Sets and our Privacy in the Digital Economy	We aim to build a very interdisciplinary team spanning behavioural scientists, statisticians, computer scientists, physicists, economists, psychologists and more.
Tom Rodden	University of Nottingham	Promoting critical thinking in digital natives about algorithm bias	Expertise: - - Understanding of algorithm principles - - Engaging with youths on topics related to technology - - Running co-designed workshops with youths to design software tools - - Modelling collective value systems and value-sensitive algorithm design - - RRI principles and methods - Organizations: - - Schools/youth networks based on existing connections (iRights, Digital Wildfires)
Tracy Harwood	De Montfort University	SWTcorn: system-wide trust and communications network	The project will use internet and cybersecurity protocols and technologies to develop a technology platform. Interface design will incorporate graphic and game art expertise. Usability testing will be undertaken. Partnerships with appropriate healthcare and travel system firms will enable scoping, prototyping and testing of the platform.
William Buchanan	Edinburgh Napier University	RESCUE: Resilient Secret Sharing Cloud-based Architecture - with Failover and Disaster Recovery	Large-scale cloud providers. - - Health and social care records. - - Trust and Governance Policy Integration. -
William Buchanan	Edinburgh Napier University	Encryption-as-a-Service for Cloud-based Data Entities	We anticipate that our combined resources (Edinburgh Napier University Cyber Academy and Amethyst Risk Management Ltd) are sufficient to achieve our project objectives.
William Buchanan	Edinburgh Napier University	Health and Social Care Record Sharing and Processing Within An Anonymised Social Platform and Biometric Overlay Tunnels	Health and social care record providers. - - We currently have a range of partners involved.
William Knottenbelt	Imperial College London	Foodchain: Exploring blockchain technologies for food provenance.	We Have: Designers, computer scientists, ethicists, economists, companies, consumer and community organisations, government agencies. - - We need: Users with experience in food supply provenance from a legal perspective, and/or users with experience of food standards.

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Wim Vanderbauwhede	University of Glasgow	Border Patrol: Improving Hardware Security through Type-Aware Hardware Design	Electronic design specialists, theoretical computing scientists, compiler specialists, as well as the FPGA technology company for the integration of our approach into their toolchain; the system integrator responsible for creating the systems using this toolchain; and finally the end user, e.g. a utility company, for the expertise on system requirements.
Yike Guo	Imperial College London	Exploring the dynamics of data ownership in the digital economy	Computer scientists, behavioural economists, sociologists, legal scholars, UX designers, agent-based modellers - tech activist organisations, privacy advocates, digital non-profits, user organisations, social media organisations -
Zoe Bulaitis	University of Exeter	The Digital Economy and the Creative: the potential of relationships of fairness, recognition & trust in a new online environment	We need software developers to implement research findings, and experts in the specific field of music piracy (practitioners / activists / industry insiders) in order to enhance our academic background with real experience and technical awareness.

Interested user (non-academic) collaborators

If you wish to contact anyone listed below, please email digitaleconomy@epsrc.ac.uk

Name	Organisation	Interests	Desired collaborators
David Jones	Westgate Cyber Security	Using Public Key Exchange across multiple scenarios of computer networking (as an alternative to client-server and username-passwords)	Lots please ! - Certainly some academic expertise in computer networking research and probably some crystallographic skills too (Again, from the academic world) - Also from a large corporation, as we're interested in their application usage.
Stephen Southern	Amethyst Risk Management Ltd	A Managed Encryption Service	We anticipate that our combined resources (Edinburgh Napier University Cyber Academy and Amethyst Risk Management Ltd) are sufficient to achieve our project objectives.
Hélène Muddiman	ProTechU	Fair and transparent reward across the online platforms- the balance of equity, trust, identity, and privacy in the Digital Economy - - Research into new technologies capable of rebooting the Internet to allow unambiguous distribution of digital content from machine to machine and physical content from door to door. Protecting trust, privacy of communication and permission for data transfer, storage and targeted marketing. - - Ownership not Censorship. - - Privacy not Piracy. - - Transparency not Anonymity. - - Security not Bureaucracy. -	We are already collaborating with governments, (to investigate the relevant international laws and regulations) IP organisations, (such as Music UK, Digital Catapult, Copyright Hub, OCL, WIPO, creators,) legal experts, PR experts, economists, automated accounting specialists, technology companies, consumer organisations, content owners and PHD specialists to research statistical data for analysis.