

Quick Reference

Please note that you must read the rest of this call document for guidance before submitting your proposal

Human Dimensions of Cyber Security

Call type: Invitation for proposals

Closing date: 08 June 2016, 16:00

Funding Available: We have up to £5M available to support around six collaborative, international and problem-driven projects which address the human dimensions of cyber security.

How to apply: We are inviting full proposals

Assessment Process: Proposals will be assessed initially by anonymous expert reviewers and then, for proposals receiving sufficient support, by a panel who will make funding recommendations to EPSRC.

Key Dates:

Activity	Date
Deadline for proposals	08 June 2016
Funding decisions	October 2016

Contacts:

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Human Dimensions of Cyber Security

Call type: Invitation for proposals

Closing date: 16:00 on 08 June 2016

Related themes: Digital economy, Global uncertainties, ICT

Summary

EPSRC has up to £5M available to support collaborative, international and problem-driven projects which address the human dimensions of cyber security.

Background

We are inviting proposals which address the challenges identified at the 'Human Dimensions of Cyber Security' (HDoCS) workshop in 2014. These challenges form the technical scope of this call and can be found here:

<https://www.epsrc.ac.uk/research/ourportfolio/themes/globaluncertainties/subthemes/cybersecurity/>. The challenges are titled:

1. Design, build and measure
2. A theory of everyone
3. Risk, trust and response
4. Understanding people
5. Evolution of cybercrime

These challenges must be the sole or main focus of any proposal submitted to this call and proposals must clearly and directly address one or more of them. All proposals should have advances in our understanding of cyber security, as represented by the contents of the technical scope, as their main aim.

For more information about EPSRC's portfolio and strategies, see our website:

<https://www.epsrc.ac.uk/research/ourportfolio/>

Funding available

We have up to £5M available to support around six projects resulting from this call. Proposals must be:

- **Collaborative**

All the challenges outlined in the associated technical scope require collaboration across disciplines and with problem owners.

In support of this, proposals should request resources to allow all their academic partners to collaborate successfully for the duration of the project. This might include staff exchanges, travel and subsistence,

workshop-type meetings to develop research programmes and dissemination of interim findings.

- **International**

As an indication that research concepts have been benchmarked and validated internationally, we would like all proposals to incorporate collaborations with researchers who are recognised as global leaders in their fields.

In support of this, proposals should request resources to allow recognised researchers and/or members of their associated research teams to visit and be a substantive part of the project in the UK, and/or for UK partners to visit leading overseas collaborators to work in pursuit of the project's overall aims.

- **Problem driven**

There is no shortage of real-world problems, both long and short term, that create opportunities for high quality research. Proposals should address a recognisable challenge and set out a credible path to finding a solution.

In support of this, proposals should request resources for continuous engagement with problem owners and system or solution providers, ideally to support genuine co-creation of research programmes. Letters of support are an indication of initial intent, but they should be seen only as the first step and are not sufficient on their own. A smaller number of more substantive collaborations makes a more compelling case than a large number of superficial engagements.

We particularly encourage collaborations with businesses which are members of the CyberInvest initiative, see <https://www.cesg.gov.uk/articles/cyberinvest-securing-our-future-through-research>.

Equipment

Funding for equipment, as defined here <https://www.epsrc.ac.uk/research/facilities/equipment/>, cannot be requested through this call.

Eligibility

We are happy to accept proposals which address any elements of the identified HDoCS challenges. This includes proposals which are wholly or partially outside EPSRC's normal remit.

For information on the eligibility of organisations and individuals to receive EPSRC funding, see the EPSRC Funding Guide: <https://www.epsrc.ac.uk/funding/howtoapply/fundingguide/>

As this call is a targeted funding opportunity provided by EPSRC, higher education institutions, and some research council institutes and independent research organisations are eligible to apply. A list of organisations eligible to apply to EPSRC is provided at: <http://www.rcuk.ac.uk/funding/eligibilityforrcs/>

How to apply

Submitting an application

You should prepare and submit your proposal using the Research Councils' Joint electronic Submission (Je-S) System (<https://je-s.rcuk.ac.uk/>).

When adding a new proposal, you should select:

- Council 'EPSRC'
- Document type 'Standard Proposal'
- Scheme 'Standard'
- On the Project Details page you should select the 'Human Dimensions of Cyber Security' call.

Note that clicking 'submit document' on your proposal form in Je-S initially submits the proposal to your host organisation's administration, not to EPSRC. Please allow sufficient time for your organisation's submission process between submitting your proposal to them and the call closing date. EPSRC must receive your application by 16:00 on 08 June 2016.

Guidance on the types of support that may be sought and advice on the completion of the research proposal forms are given on the EPSRC website (<https://www.epsrc.ac.uk/funding/howtoapply/>) which should be consulted when preparing all proposals.

Guidance on writing an application

Proposals should be submitted in the format usually used for EPSRC standard mode proposals and should include all the document types required by that scheme.

Applicants should use the Ethical Information section on the Je-S form to demonstrate to peer reviewers that they have fully considered any ethical issues concerning the material they intend to use, the nature and choice, current public perceptions and attitudes towards the subject matter or research area. EPSRC will not fund a project if it believes that there are ethical concerns that have been overlooked or not appropriately accounted for. All relevant parts of the Ethical Information section must be completed. If the research will involve human participation or the use of animals covered by the Animals (Scientific Procedures) Act 1986 we recommend that applicants pay particular attention to the guidance highlighted below. EPSRC reserves the right to reject applications prior to peer review if the Ethical Information sections are not completed correctly.

Further guidance on completing the Je-S form can be found at <https://je-s.rcuk.ac.uk/Handbook/pages/GuidanceonCompletingaStandardG/EthicalInformation.htm>. Other relevant guidance includes: EPSRC's policy on animal use in research (<https://www.epsrc.ac.uk/about/standards/animalresearchpolicy/>) and the Responsible Innovation Framework (<https://www.epsrc.ac.uk/research/framework/>).

Please note that on submission to EPSRC **all** non-PDF documents uploaded onto Je-S are converted to PDF, the use of non-standard fonts may result in errors or font conversion, which could affect the overall length of the document.

In addition, where non-standard fonts are present, and even though the converted PDF document may look unaffected in the Je-S System, when it is imported into the Research Councils Grants System some information may be removed. We therefore recommend that where a document contains any non-standard fonts (scientific notation, diagrams etc), the document is converted to PDF prior to attaching it to the proposal.

For advice on writing proposals see:

<https://www.epsrc.ac.uk/funding/howtoapply/preparing/>

Assessment

Assessment process

Proposals will be assessed initially by anonymous expert reviewers and then, for proposals receiving sufficient support, by a panel who will be asked to use these reviews and the PIs' responses to make funding recommendations to EPSRC.

The final assessment panel will be asked specifically to comment on fit to the call, in terms of both the technical areas and also the need for projects to be collaborative, international and problem driven as described above.

Assessment criteria

Proposals will be assessed for:

- Quality
- Importance
- Impact
- Applicant
- Resources and management
- Fit to call

Guidance

Guidance for reviewers

Information about the EPSRC peer review process and guidance for reviewers can be found at: <https://www.epsrc.ac.uk/funding/assessmentprocess/review/>

Key dates

Activity	Date
Call closes	08 June 2016
Panel meeting and funding decisions	October 2016

Contacts

Please contact:

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Change log

Name	Date	Version	Change
Alex Hulkes	March 2016	1	N/A
Alex Hulkes	31 March 2016	2	Additional information on CyberInvest added