

Living in the Internet of Things

Challenge:

Give people controls they can understand and trust, for the privacy and security they want in homes that have a wide range of technologies.

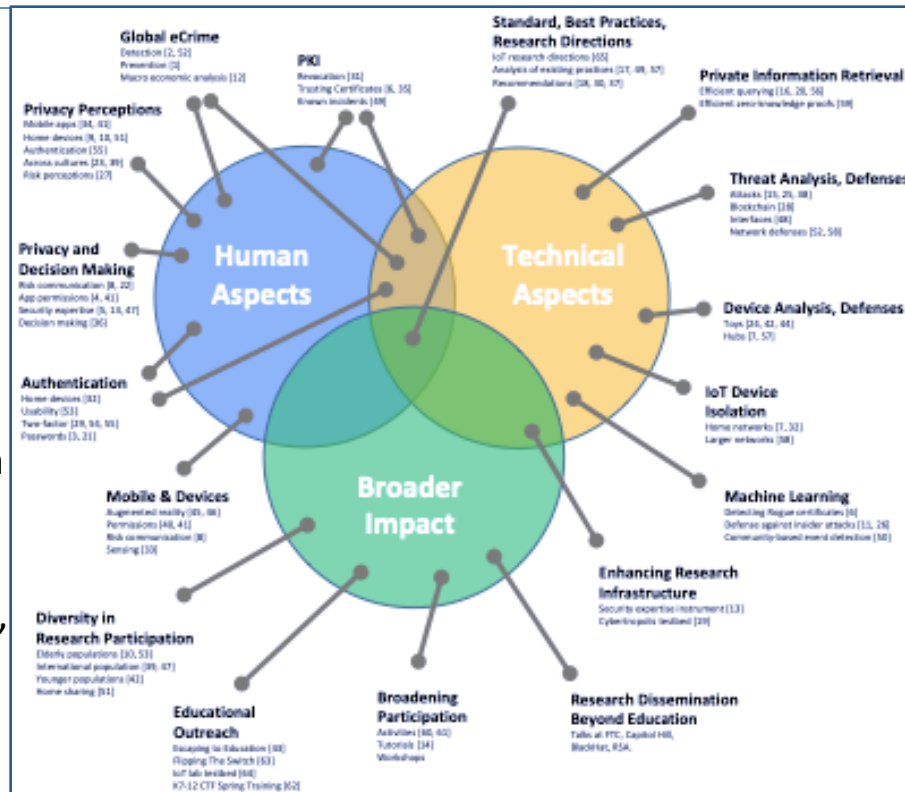
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Solution:

Risk-informed decision-making; secure out of the box experience, protecting to minimize risk of subversion, isolation to mitigate harm, agile cryptography for end-to-end security.

Scientific Impact:

Contributions range from the purely technical, through the interdisciplinary, to strictly human participants. Map of our peer reviewed contributions & outreach presentations illustrates the interaction of the human and the technical, and the integration of broader impacts into research.



Broader Impact:

- Inclusion of diverse population is part of stakeholder research because of the in-home domain
- Research on toys and apps targeted at children
- Contributions to standards in the MUDs architecture
- Training the trainers with outreach to K-12 teachers
- Improving the research infrastructure with proven tool for survey measures of expertise

Paper numbers included as illustration. For list of the work please see : L Jean Camp, Y. Khono, R. Heny, J. Streiff, "Living in the Internet of Things", Secure and Trustworthy Computing Principal Investigator Meeting, 28 – 29 October 2019, Arlington, VA