22nd International Conference e-Society 2024
Privacy and Digital Literacy in the Internet of Things

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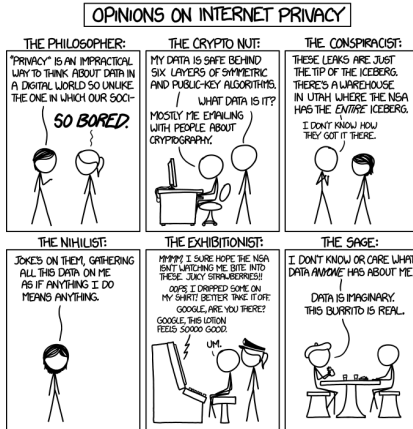Faculty of Exact Sciences and Engineering

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What is privacy?

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1  - Privacy
1  + Security
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Introduction

The advent of ubiquitous computing has resulted in the widespread use of Internet of Things devices. These devices open up new avenues for the collection and exploitation of user and non-user personal data. Most end users are not even aware or have little control over the information that is being collected about them by these systems. This work took a rounded approach to this problem by doing:

- Literature review;
- A survey.

Introduction

The advent of ubiquitous computing has resulted in the widespread use of Internet of Things devices. These devices open up new avenues for the collection and exploitation of user and non-user personal data. Most end users are not even aware or have little control over the information that is being collected about them by these systems. This work took a rounded approach to this problem by doing:

- Literature review;
- A survey.

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Survey

Survey

86 Questions
- General knowledge and attitudes towards privacy
- Disposition for sharing personal information
- Privacy concerns
- Current online habits and practices
- Profile identification
- Knowledge and habits regarding the Internet of Things
- Demographic data

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Future Work

Future Work

Improvements for survey

- More lean survey;
- Some kind of reward for participants;

Topics for further research

- Privacy literacy in IoT systems;
- Application of privacy in the design/development of IoT systems;
- User-centric approaches to IoT privacy.

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Conclusion

Conclusion

- Standalone IoT privacy literature review;
- Tests from majority viewpoint of portuguese users;
- User testing reveals there is a large privacy knowledge gap;

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Thank you for your attention.

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