

Towards the Internet of Things 2.0 - The Case of a Community-Based Smart Home Security System

Problem

Smart Home security systems have a

99%
false alarm rate

Idea

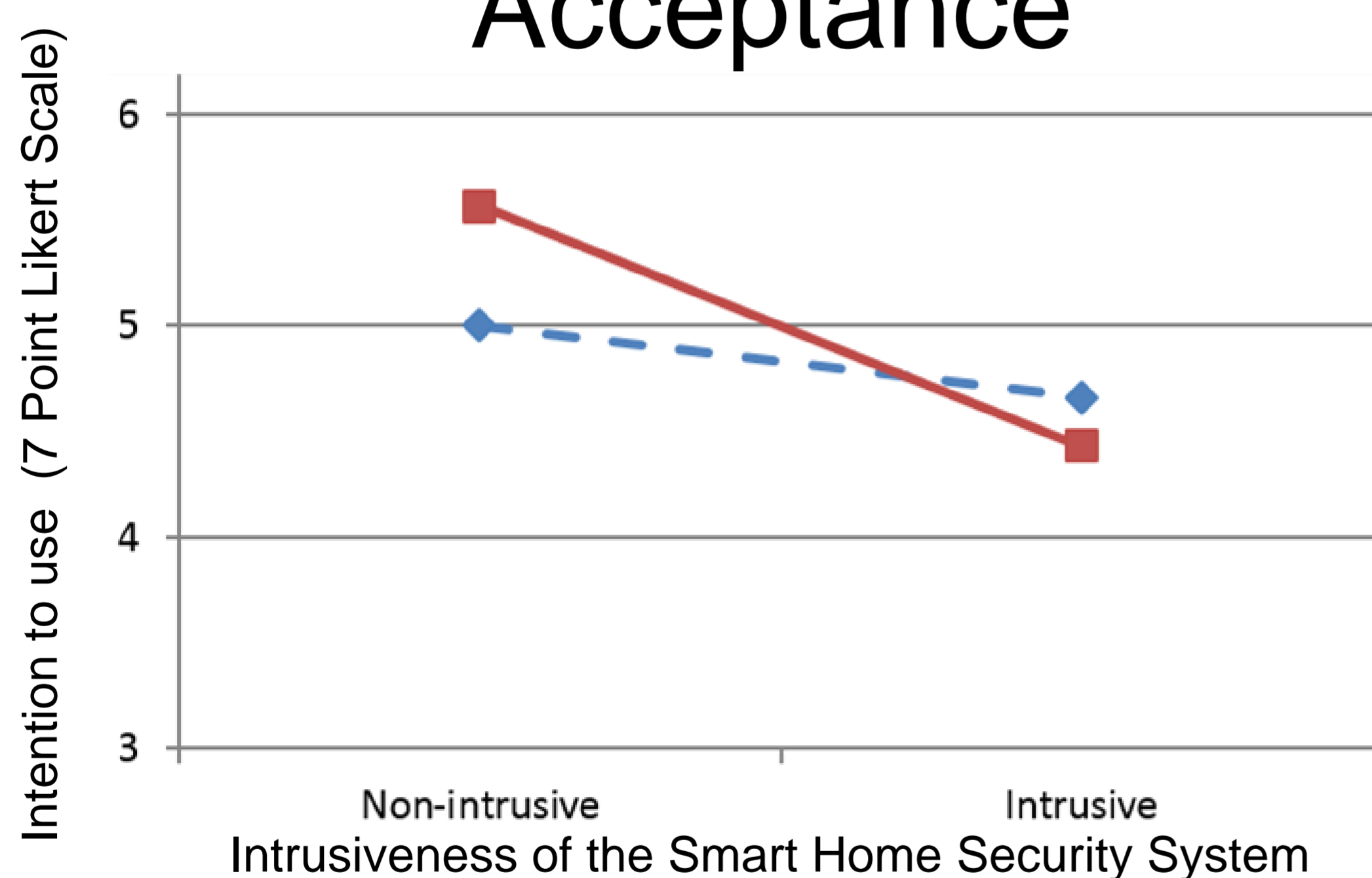
Smart Home Security Community

Smart Home Security + Neighborhood Watch

- | | |
|---|--|
| + 24/7 available, cheap | - Limited availability |
| - Frequent false alarms > charged Emergency calls | + Less false alarms > free emergency calls |

First Step

Evaluation of General Acceptance



Legend: ◆ Without Community ■ With Community

Conclusion

- ▶ General acceptance of Smart Home security communities in case of camera-free solutions
- ▶ Severe privacy concerns in combination with video cameras

Next Steps

- ▶ Build first prototype (5 households) using a Design Science approach
- ▶ Scale prototype (50 households)

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