

# CS523 Mid-Semester Report (temporary title)

Hyun Bin Lee

*Department of Computer Science*  
*University of Illinois Urbana-Champaign*  
Urbana, United States  
email address

Aravind Sagar

*Department of Computer Science*  
*University of Illinois Urbana-Champaign*  
Urbana, United States  
asagar3@illinois.edu

3<sup>rd</sup> Given Name Surname

*dept. name of organization (of Aff.)*  
*name of organization (of Aff.)*  
City, Country  
email address

**Abstract**—This document is a model and instructions for **LaTeX**. This and the **IEEEtran.cls** file define the components of your paper [title, text, heads, etc.]. **\*CRITICAL: Do Not Use Symbols, Special Characters, Footnotes, or Math in Paper Title or Abstract.**

**Index Terms**—component, formatting, style, styling, insert

## I. INTRODUCTION

TODO

## II. BACKGROUND

### A. Internet of Things

TODO

### B. Blockchain

TODO

### C. Intel SGX

TODO

### D. Related Works

TODO

## III. THREAT MODEL

1. cellphone Trusted (we can use TrustZone based solution to be orthogonal to our solution)
2. data source Trusted
3. Endorser Trusted
4. data requesters NOT trusted
5. cloud NOT trusted
6. we are not responsible for user misassigning policies. instead we aim to minimize it

## IV. EXPERIMENT

### REFERENCES

- [1] Davies, Nigel, et al. "Privacy mediators: Helping iot cross the chasm." Proceedings of the 17th International Workshop on Mobile Computing Systems and Applications. ACM, 2016.
- [2] Hashemi, Sayed Hadi, et al. "World of Empowered IoT Users." Internet-of-Things Design and Implementation (IoTDI), 2016 IEEE First International Conference on. IEEE, 2016.