

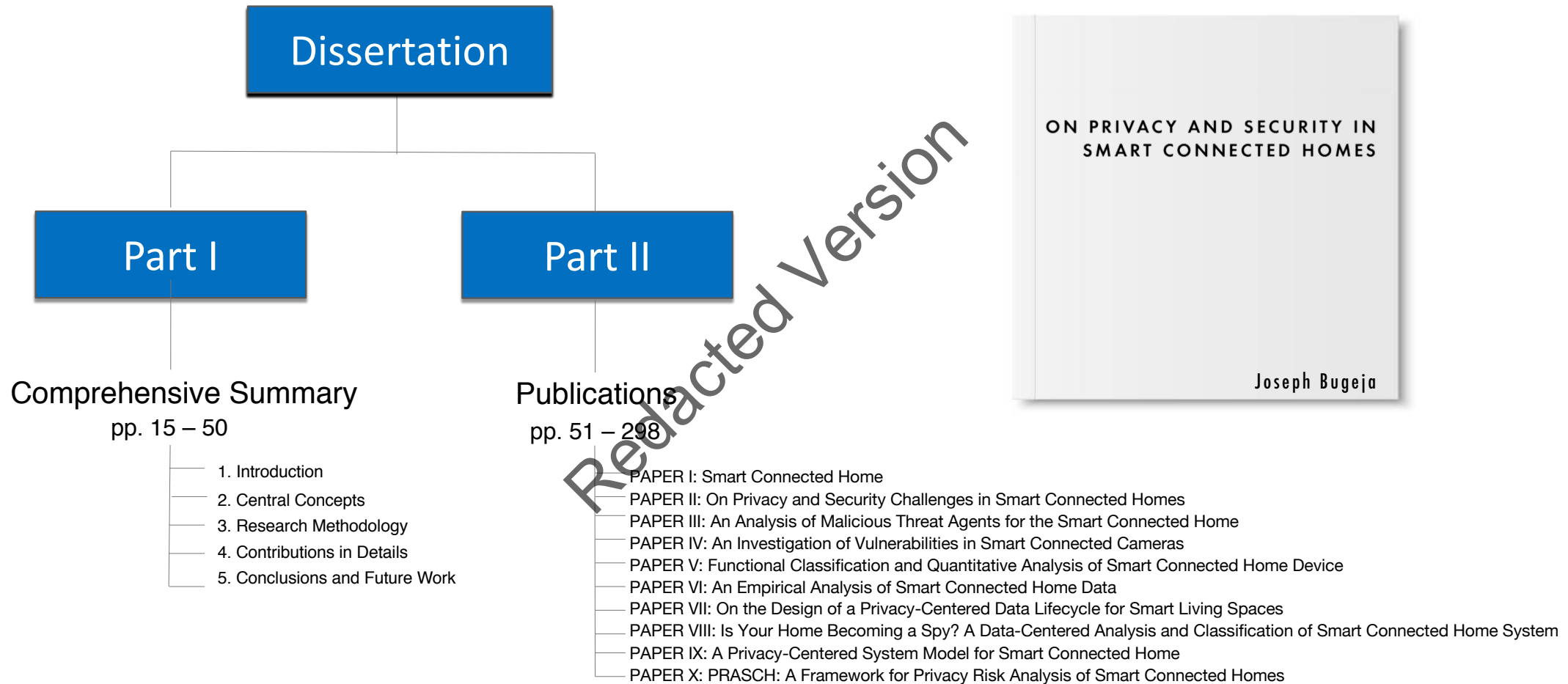
Final Seminar 2020

On Privacy and Security in Smart Connected Homes

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Supervisors: Andreas Jacobsson and Paul Davidsson

DISSERTATION STRUCTURE



HOME IS WHERE THE HEART IS

- Our home is a deeply meaningful and human place.
- It is a place where our fundamental physical needs are (expected to be) protected.
- The home is *the most powerful sign of the self of the inhabitant who dwells within*¹.



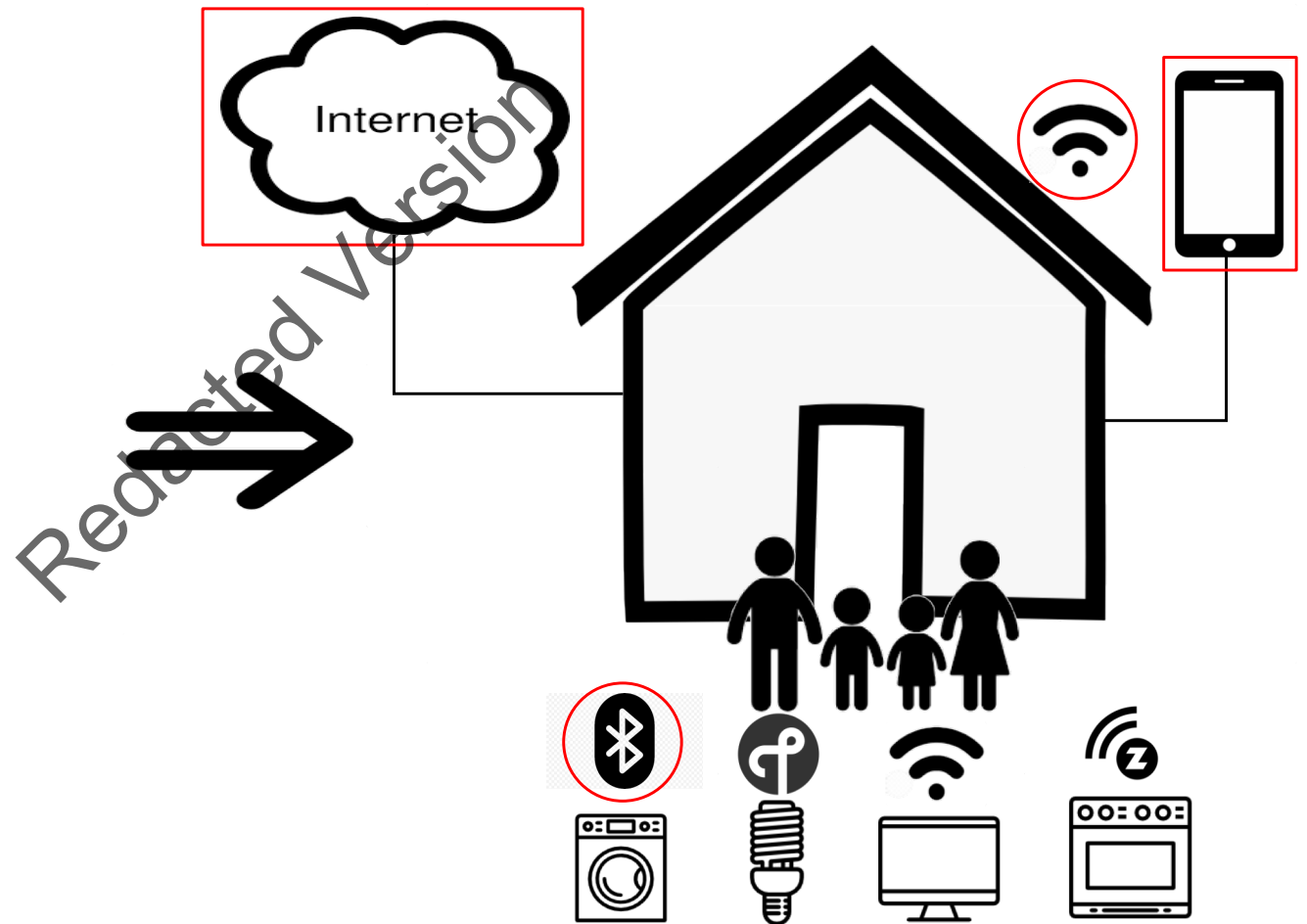
¹ Csikszentmihalyi & Rochberg-Halton, 1981. *The Meaning of Things: Domestic Symbols and the Self*.

EVOLUTION OF THE HOME

Traditional Home



Smart Connected Home



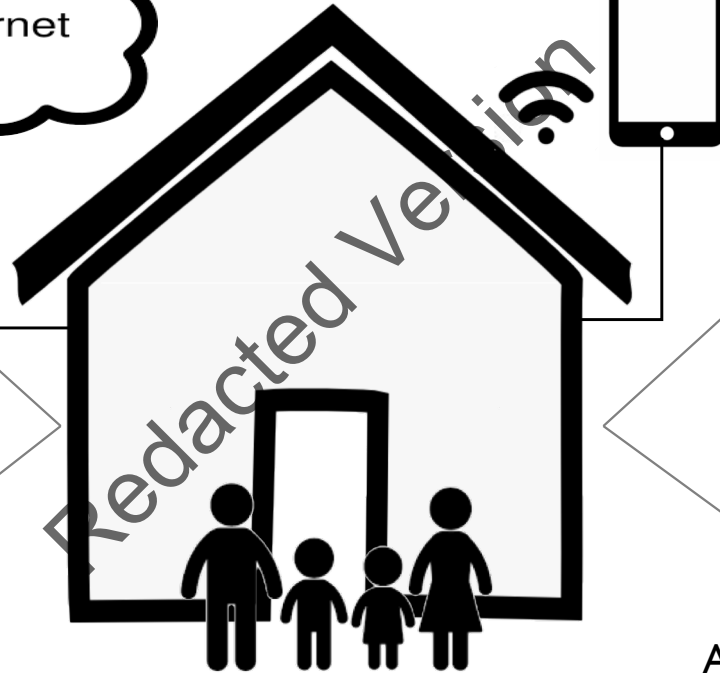
THE SMART CONNECTED HOME

August Smart lock

IFTTT

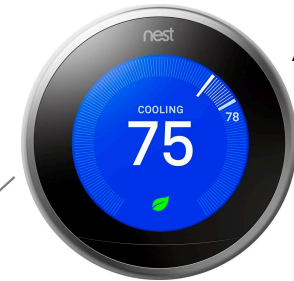


Door sensor



Google Nest

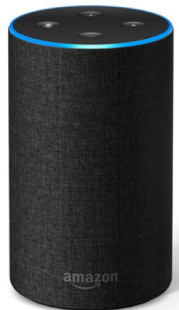
API, IFTTT



Temperature, Humidity, Proximity, Motion, Ambient light, Optical

Amazon Echo

API, IFTTT, Alexa



Microphone

Facebook Portal

Alexa, FB services (IG, WhatsApp, Messenger)



Microphone, Camera