

Smart Home Ambient Intelligence: a new limit for our freedom?

ethical concerns about voice assistants

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December 12, 2017

Presentation Outline

Smart Home Ambient Intelligence: a new limit for our freedom?
ethical concerns about voice assistants

Introduction

Technological Mediation
Definitions

Case Study: Google Home - Google Assistant Actions

Applied mediations limiting our freedom
Ethical concerns arising from loss of freedom

Possible Remedies

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Introduction

Technological Mediation

*While fulfilling their function, technologies do much more: they **give shape to what we do** and how we experience the world. And in doing so they **contribute actively** to the ways we live our lives (Verbeek 2011)*

- ▶ Technologies are not **neutral intermediaries**
- ▶ Technologies play an **actively mediating role**
- ▶ Artifacts are **bearers of morality** (Latour 1992)
- ▶ Morality is a matter of **human-technology associations**

- ▶ Two perspectives of mediation:
 - ▶ Perception
 - ▶ **Action**: I will focus on **human freedom**

Definitions

Ambient Intelligence

***Ambient Intelligence** is an approach that combines two major technologies: Ubiquitous Computing and Intelligent User Interfaces (Brey 2005)*

Voice Assistant

*A **voice assistant** is a digital assistant that uses voice recognition, natural language processing and speech synthesis to provide aid to users through phones and voice recognition applications (whatis.techtarget.com 2017)*

Freedom

***Ambient Intelligence** is an approach that combines two major technologies: Ubiquitous Computing and Intelligent User Interfaces.*

Case Study: Google Home - Google Assistant Actions

Google Assistant Actions

Script

Invitation/Inhibition structure

Behaviour Steering

Moral laziness

Technocracy

Technocracy

Technological mediation?

Moral responsibility of designers

Possible Remedies

Possible Remedies

Conclusions

Conclusions

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