

How to Inform Privacy Agents on Preferred Level of User Control?

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“THE MOST PROFOUND TECHNOLOGIES ARE THOSE THAT DISAPPEAR. THEY WEAVE THEMSELVES INTO THE FABRIC OF EVERYDAY LIFE UNTIL THEY ARE INDISTINGUISHABLE FROM IT.” – Mark Weiser, *The Computer for the 21st Century*



PRIVACY

INTERRUPTIONS

CONTROL



PRIVACY IN THE INTERNET OF THINGS

Too many interruptions or
too little control

High system autonomy

Low system autonomy

Low user control

High user control

**AUTOMATED
APPROACHES**

**NOTICE AND
CONSENT**

PRIVACY IN THE INTERNET OF THINGS

Too many interruptions or
too little control



INTELLIGENT PRIVACY AGENTS

System-oriented

High system autonomy

Low system autonomy

Low user control

High user control

**AUTOMATED
APPROACHES**

Copigneaux (2014)
Schaub et al. (2012)
Toch (2011)
Bunnig and Cap (2009)

**NOTICE AND
CONSENT**

**PRIVACY IN THE
INTERNET OF THINGS**

Too many interruptions or
too little control



**INTELLIGENT
PRIVACY AGENTS**
System-oriented



**BALANCE AGENT
AUTONOMY AND
USER CONTROL**

Identify when the privacy agent should give
the control to the user and when it should
retain control in order to avoid interrupting
him/her

PRIVACY IN THE INTERNET OF THINGS

Too many interruptions or too little control



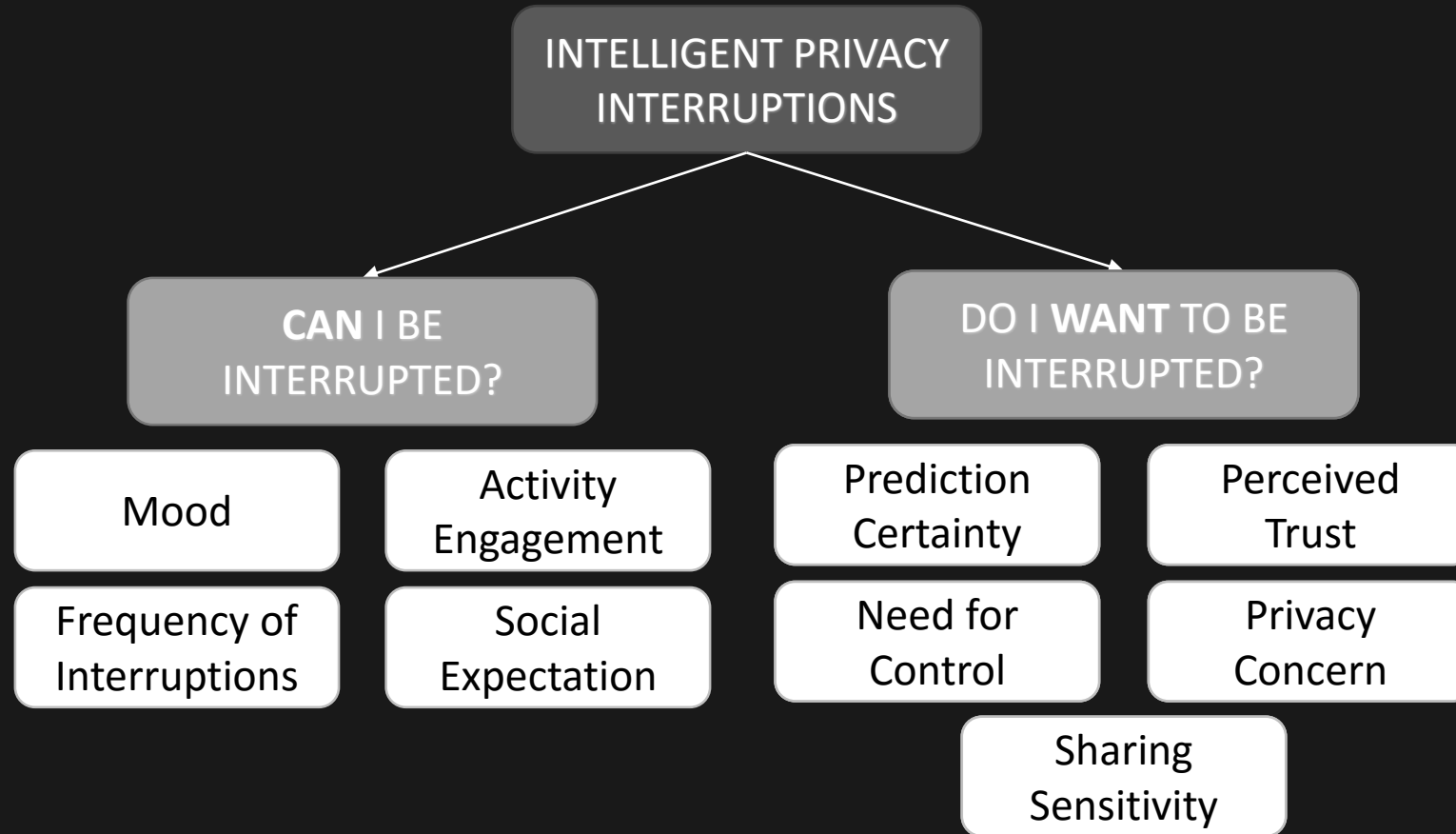
INTELLIGENT PRIVACY AGENTS
System-oriented



BALANCE AGENT AUTONOMY AND USER CONTROL



Intelligent Privacy Interruptions



In a nutshell...

Thank you.

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