Creating Socially Adaptive Electronic Partners

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Shape our world with software
Shape the world of software
Changing the way we think about supportive technology: functional & social
Geofencing
Geofencing is Social

Norms from Jane’s daughter:
N1: Jane should stay within 1km from home
N2: If Jane violates N1, notify daughter immediately
Problem: Geofencing is Rigid

Norms from Jane’s daughter:
N1: Jane should stay within 1km from home
N2: If Jane violates N1, notify daughter immediately

Freedom
“I don’t want my daughter to know I’m buying her a present”
Solution:
Socially Adaptive Electronic Partner (SAEP)
dynamic modification of norms by other people in the owner’s social context

Norm: “Do not share Jane’s location with daughter this morning.”

N1': If Jane violates N1, notify daughter or husband immediately
Generic computational framework for SAEPs

**Ethical challenges:** Can SAEPs alleviate ethical concerns?

**Reasoning challenges:** How to reason about norms and their violation?

**Interaction challenges:** How to shape interaction about norms?
More information

• **Speaker**
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• **CoreSAEP (Vidi project)**
  [http://ii.tudelft.nl/~birna/projects/CoreSAEP.html](http://ii.tudelft.nl/~birna/projects/CoreSAEP.html)

• **COMMIT – Interaction for Universal Access**