

2012 - 216-7CA - Identity Policy Choices as Propagation of Structure - Lauren Stuart

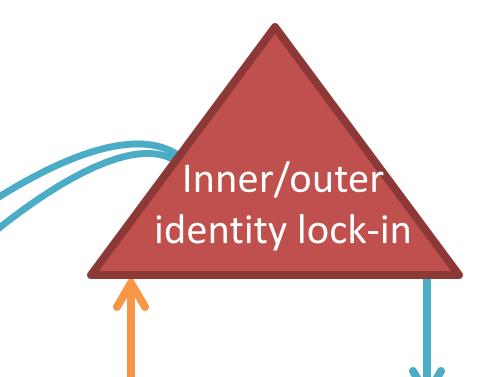
PURDUE

The Center for Education and Research in Information Assurance and Security

Identity Policy Choices as Propagation of Structure

Student: Lauren M. Stuart | Advisor: M. Dark

Problem Statement: Decisions made around identity policy for online communities have direct and indirect effects on the societal and intra-community stance on identity formulations and the benefits or consequences in using them. In order to better understand these effects, we model how structures form from and give form to individual decisions in the decision arena of



Motivation: The increasing virtualization of social interaction has given rise to a conflict about how identifying information is used within an online community. This conflict is acted out in, among other places, decisions about stringency of identity policy (anonymity vs. pseudonymity vs. "real name") and users' participation in such communities, and warrants

identity policy as well as society overall.

Norms of access, benefits, trust, and behavior associated with a particular identity form have direct impacts on group and individual decisions: these associations are treated as rules.

Associations of identity forms with access, benefits, trust, and behavior start to firm up: they become

access

"good practice" and "common sense"

Create identity policy Enforce identity policy Encourage/discourage behavior 🧲 Package & adopt other products & ID services

closer inspection.

Industry uniformity or trends, while indirectly affecting users through the implementation of their networks, also influence users' decisions about what to commit to, disclose, or trust.

Start here: Promotion of individual actions to group

Join social network Level and nature of disclosure Level and nature of participation Trust of others' information in network Use of others' information

Commit to network configuration Visibility of social group members Benefits of participation Trust in network Pressure on disclosure/non-disclosure

Commit to a form of identity

Associate behavior to identity form

Identity form & commitment to it as

Visibility of other forms

