Content- and Context-Related Trust in Open Multi-Agent Systems using Linked Data

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Centralization of the Web

Decentralized Vision

Trust Challenges

Content- & Context-related Trust
Use cases

[1] https://solid.mit.edu/

[2,3] Icons made by Freepik from www.flaticon.com
Policy- and Reputation-based Trust
(Artz and Gil 2007)

Trust Models
(Mcknight and Chervany 2001)
(Golbeck 2006), (Falcone and Castelfranchi 2004)
(Marsh and Briggs 2009), (Cao et al. 2016)

Content Trust
(Gil and Artz 2007)

Trust in Multi-Agent Systems
(Huynh et al. 2004), (Drawel et al. 2018)
Research Objectives

- Trust Model(s)
  - based on Trust Framework
  - have gaps
    - solves influence
    - demonstrates

- Gaps
  - applied to Use Cases
Research Agenda

Phases
- Trust Models Selection
- Problem Analysis
- Framework Design
- Evaluation and Utilization

Artifacts
- Trust Models Assessment
- Framework Requirements
- Conceptual Design
- Evidence and Feedback
Any Feedback is appreciated!

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