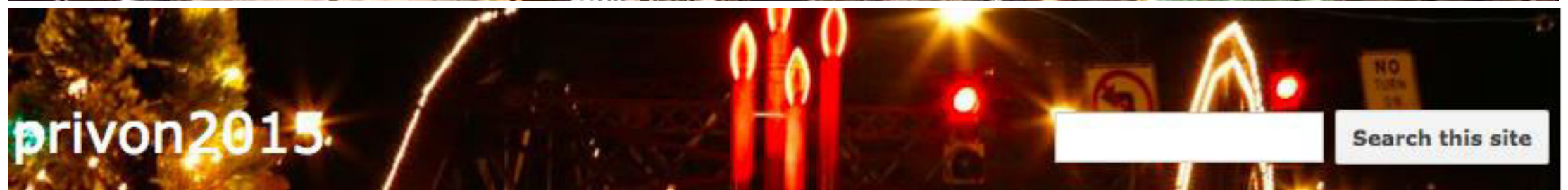
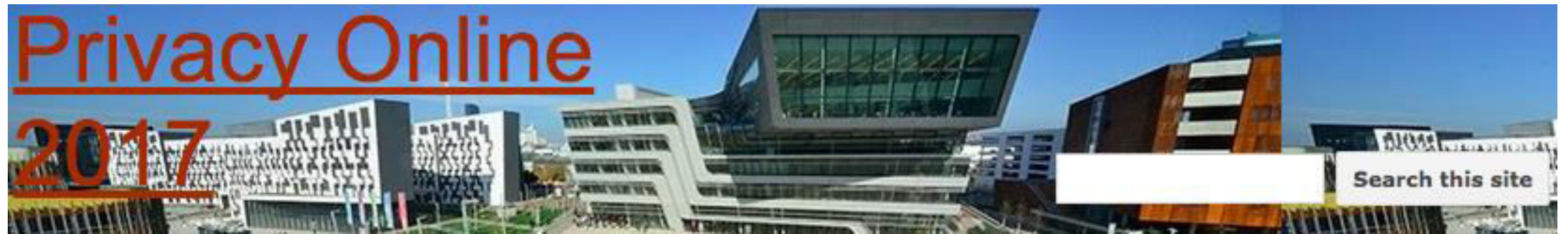


Privacy Online 2017



The Privacy Landscape – Surveillance

The Internet is a surveillance state

By Bruce Schneier, Special to CNN

Updated 1804 GMT (0204 HKT) March 16, 2013



Story highlights

Bruce Schneier: Whether we like it or not, we're being tracked all the time on the Internet

I'm going to start with three data points.

One: Some of the Chinese military hackers who were implicated in a

<http://edition.cnn.com/2013/03/16/opinion/schneier-internet-surveillance/index.html>

Schneier on Security



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Data and Goliath

The Hidden Battles to Collect Your Data and Control Your World

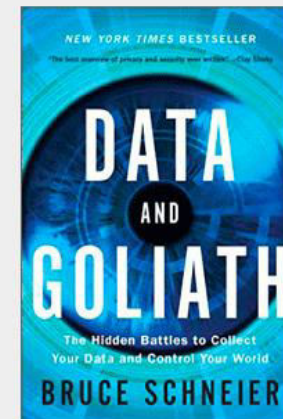
A Book by Bruce Schneier

A New York Times Best Seller

You are under surveillance right now.

Your cell phone provider tracks your location and knows who's with you. Your online and in-store purchasing patterns are recorded, and reveal if you're unemployed, sick, or pregnant. Your e-mails and texts expose your intimate and casual friends. Google knows what you're thinking because it saves your private searches. Facebook can determine your sexual orientation without you ever mentioning it.

The powers that surveil us do more than simply



March 2015
W. W. Norton & Company
320 Pages

Hardcover:
ISBN 978-0393244816

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About Bruce Schneier



https://www.schneier.com/books/data_and_goliath/

The Privacy Landscape - Surveillance

<https://www.theguardian.com/world/2013/jul/31/nsa-top-secret-program-online-data>



The NSA files Glenn Greenwald on security and liberty

XKeyscore: NSA tool collects 'nearly everything a user does on the internet'

- XKeyscore gives 'widest-reaching' collection of online data
- NSA analysts require no prior authorization for searches
- Sweeps up emails, social media activity and browsing history
- NSA's XKeyscore program - read one of the presentations



Sections

The Washington Post

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How the NSA's MUSCULAR program collects too much data from Yahoo and Google

This document is an excerpt from Special Source Operations Weekly, an internal National Security Agency document dated March 14, 2013. It describes a common NSA problem of collecting too much information - and how it is attempting to control it. [NSA infiltrates links to Yahoo, Google data centers](#)



<https://www.washingtonpost.com/apps/g/page/world/how-the-nas-muscular-program-collects-too-much-data-from-yahoo-and-google/543/>

<https://www.theatlantic.com/national/archive/2013/06/uk-tempora-program/313999/>



The UK Tempora Program Captures Vast Amounts of Data — and Shares with NSA



the NSA files

NSA files decoded / Edward Snowden's surveillance revelations explained



<https://www.theguardian.com/us-news/the-nsa-files>

The Privacy Landscape – Magna Carta

<http://www.telegraph.co.uk/technology/news/11127557/Berners-Lee-world-needs-an-internet-Magna-Carta.html>

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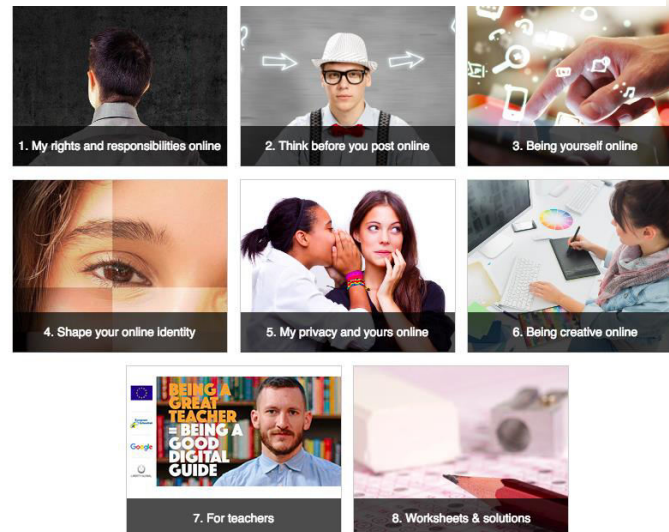
Sir Tim Berners-Lee: world needs an 'internet Magna Carta'

The world needs a bill of rights for the internet to stop governments and big businesses from abusing their power, censoring certain information and controlling the web, warns the inventor of the World Wide Web



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<https://webwewant.org/>

<http://mashable.com/2015/06/15/magna-carta-digital-age-internet/#mwC5pWdIfkqO>

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People voted on a Magna Carta for the Internet and here's what they want

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WHAT'S THIS?



The Privacy Landscape – The GDPR

<http://www.eugdpr.org/>



The EU General Data Protection Regulation (GDPR) is the most important change in data privacy regulation in 20 years - we're here to make sure you're prepared.

GDPR Portal: Site Overview

https://www.buinesseurope.eu/sites/buseur/files/media/reports_and_studies/2016-12-02_impact_of_eu_regulation_on_innovation_-_repository_of_industry_cases.pdf



<http://www.insider.co.uk/events/10-significant-changes-data-protection-10763677>

The Privacy Landscape – Safe Harbour

<https://www.theguardian.com/technology/2015/oct/06/safe-harbour-european-court-declare-invalid-data-protection>

<http://www.bbc.com/news/technology-35460131>



What is 'safe harbour' and why did the EUCJ just declare it invalid?

European Court of Justice rules 2000's data protection agreement with US invalid, but will that stop Facebook from transferring your EU data to America?



NEWS

Home Video World UK Business Tech Science Magazine Entertainment & Arts

Technology

Safe Harbour: Tech firms shudder as watchdogs meet

2 February 2016 Technology

Home Video World UK Business Tech Science Magazine Entertainment

Technology

EU and US clinch data-transfer deal to replace Safe Harbour

2 February 2016 Technology



<http://www.bbc.com/news/technology-35471851>



Internet

Data regulators reject EU-US Privacy Shield safe harbour deal

Pan-European working party questions protection of EU citizens' data from 'massive and indiscriminate' surveillance by US government

Samuel Gibbs and agencies

Thursday 14 April 2016
10.19 BST



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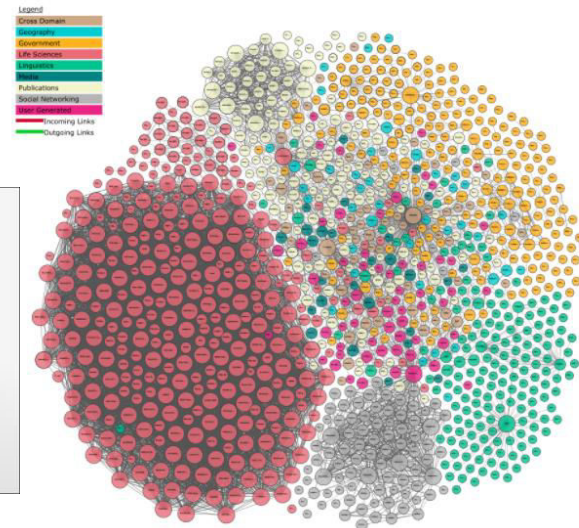
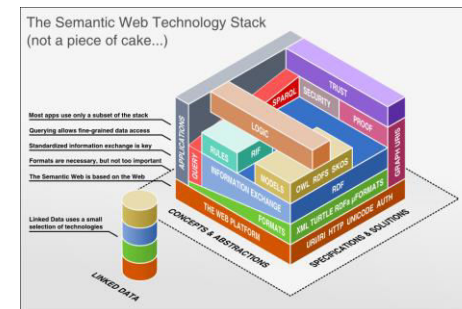
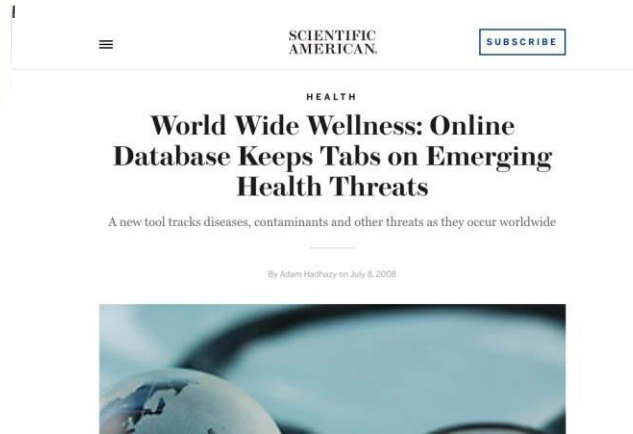
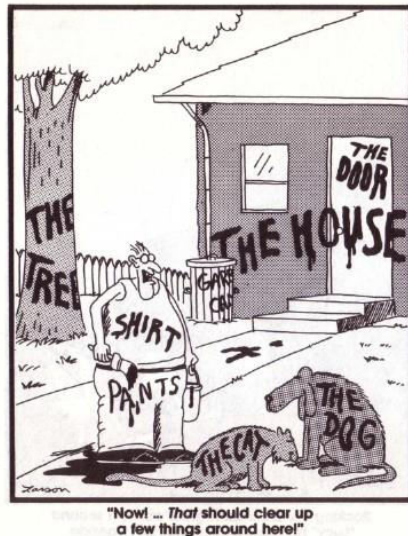
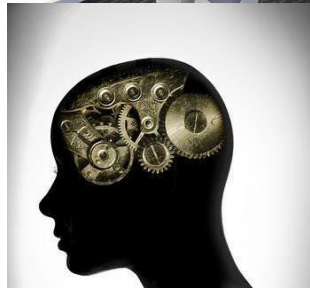
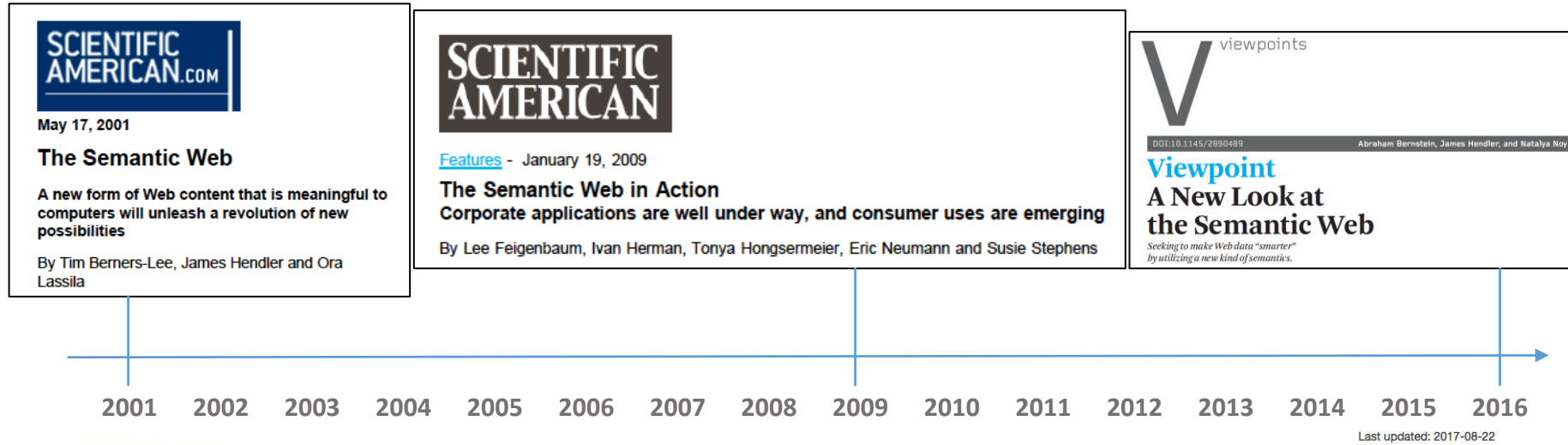


<https://www.theguardian.com/technology/2016/apr/14/data-regulators-reject-eu-us-privacy-shield-safe-harbour-deal>

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The Semantic Web Landscape



Awareness & Guidelines

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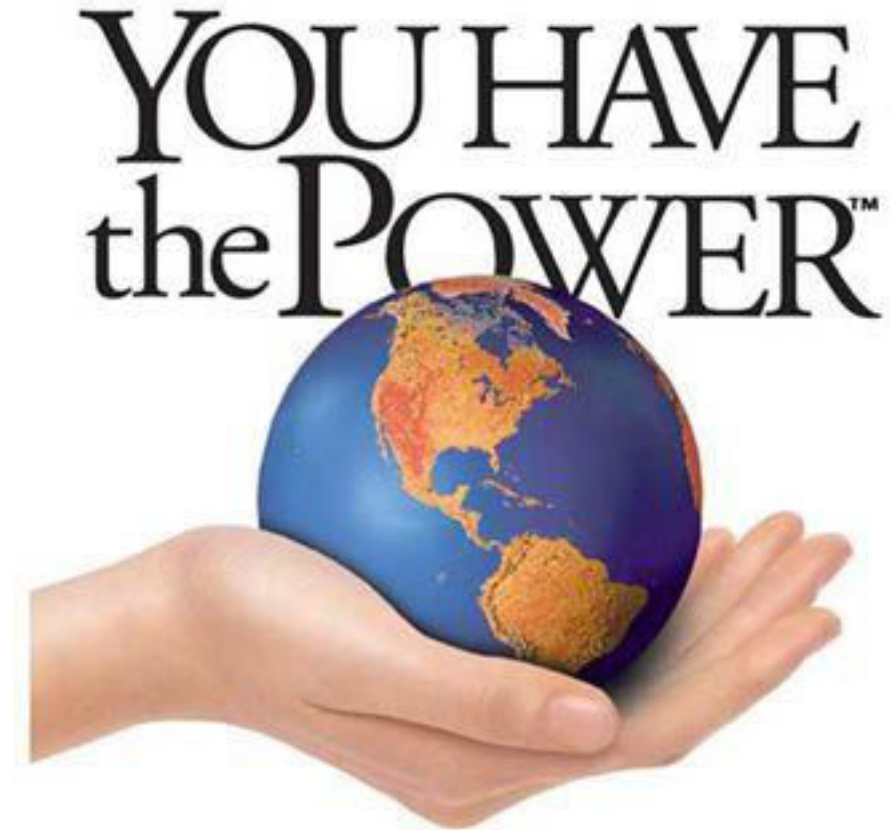
(2013) - *David Corsar, Peter Edwards, and John Nelson*

[A Case for Expectation Informed Design](#) (2015) -

Marie Joan Kristine Gloria

[Challenges in Detecting Privacy Revealing Information in Unstructured Text](#) (2016) -

Welderufael B. Tesfay, Jetzabel Serna, and Sebastian Pape



Transparency & Trust

[Spy Watch: A Tool for Transparency in Web Tracking](#) (2013) - *Neel Guha*

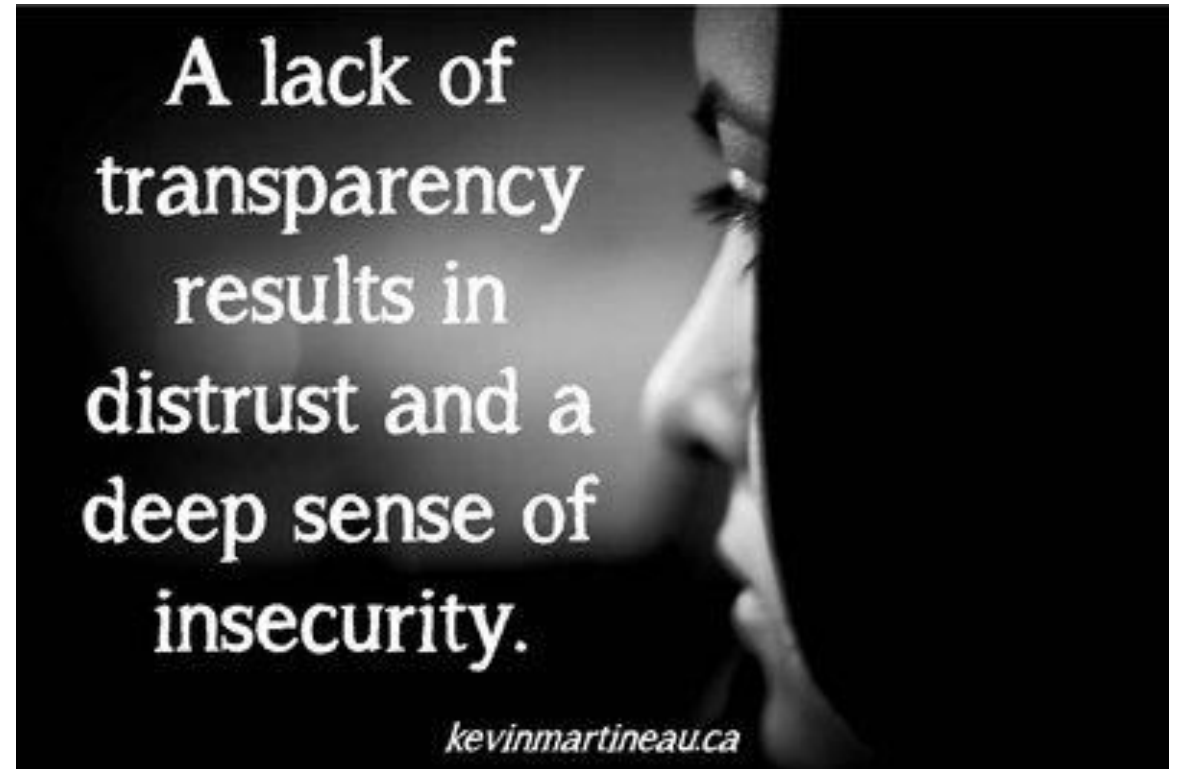
[Semantic Web Technologies for Social Translucence and Privacy Mirrors on the Web](#) (2013) - *Mathieu d'Aquin and Keerthi Thomas*

[Legibility, Privacy and Creativity: Linked Data in a Surveillance Society](#) (2013) - *Christopher Brewster and Dougald Hine*

[Privacy Implications of Online Consumer-Activity Data: An Empirical Study](#) (2014) - *Keerthi Thomas*

[Behavioral Tracing of Twitter Accounts](#) (2017) - *Neel Guha*

[On Modeling Political Systems to Support the Trust Process](#) (2017) - *Carlos Laufer and Daniel Schwabe*



Security

Graße—Towards Flexible Search on Encrypted Graph Data (2013) - *Andreas Kasten, Ansgar Scherp, Frederik Armknecht, Matthias Krause*

Towards a Configurable Framework for Iterative Signing of Distributed Graph Data (2013) - *Andreas Kasten and Ansgar Scherp*

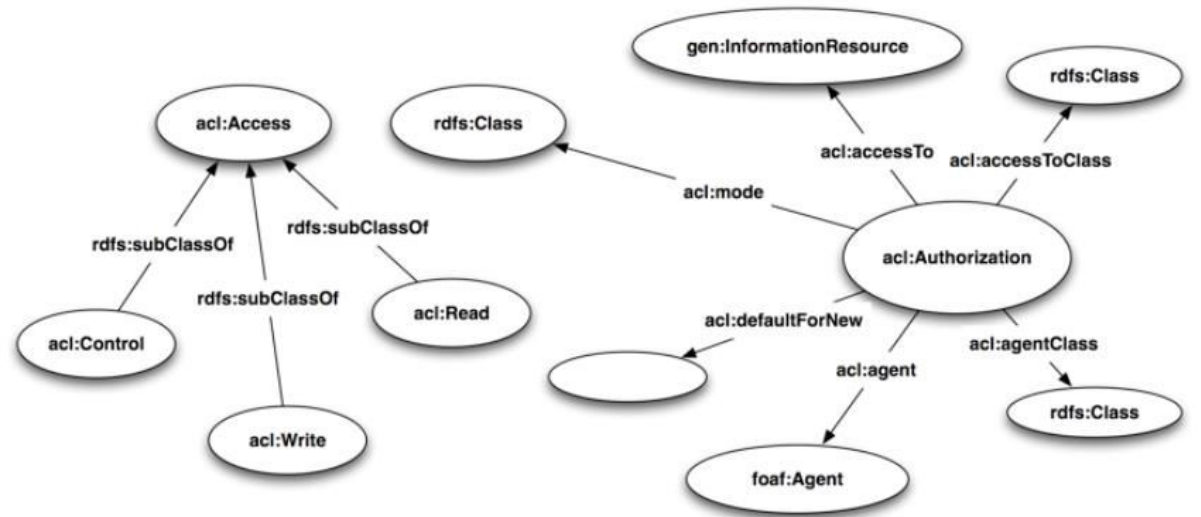
Semantic Insecurity: Security and the Semantic Web (2017) - *Harry Halpin*



Vocabularies & Ontologies

[Modeling Social Web Privacy to Detect Perception Gaps](#) (2015) - Davide Ceolin, Lora Aroyo, and Jesper Duinker

[Evaluation of Semantic Web Ontologies for Privacy Modelling in Smart Home Environments](#) (2016) - Suzana Iacob, Antonis Bikakis



Web Access Control (WAC) vocabulary

Access & Inference Control

[Energy efficient sensing for managing privacy on smartphones](#) (2013) - Prajit Kumar Das, Anupam Joshi, Tim Finin

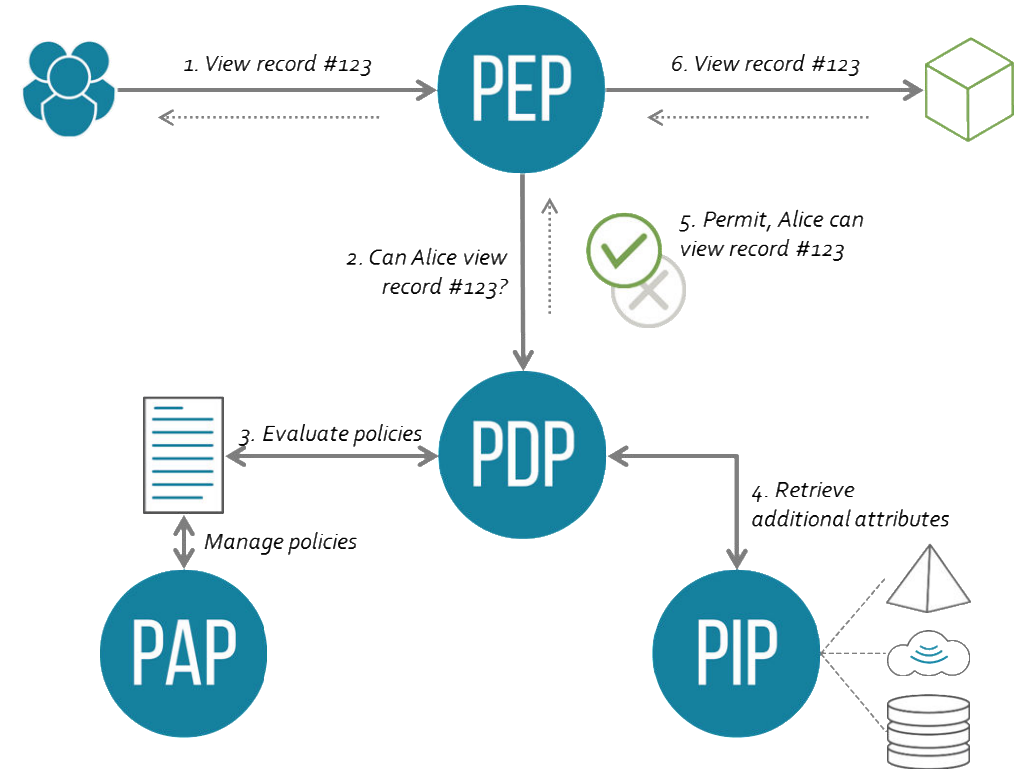
[A Semantic Context-aware Privacy Model for FaceBlock](#) (2014) - Primal Pappachan, Roberto Yus, Prajit Kumar Das, Tim Finin, Eduardo Mena, and Anupam Joshi

[Semantic and Sensitivity Aware Location-Privacy Protection for the Internet of Things](#) (2014) - Berker Agir, Jean-Paul Calbimonte and Karl Aberer

[Attribute-based Fine Grained Access Control for Triple Stores](#) (2015) - Ankur Padia, Tim Finin, and Anupam Joshi

[Semantic Knowledge and Privacy in the Physical Web](#) (2016) - Prajit Kumar Das, Abhay Kashyap, Gurpreet Singh, Cynthia Matuszek, Tim Finin, Anupam Joshi

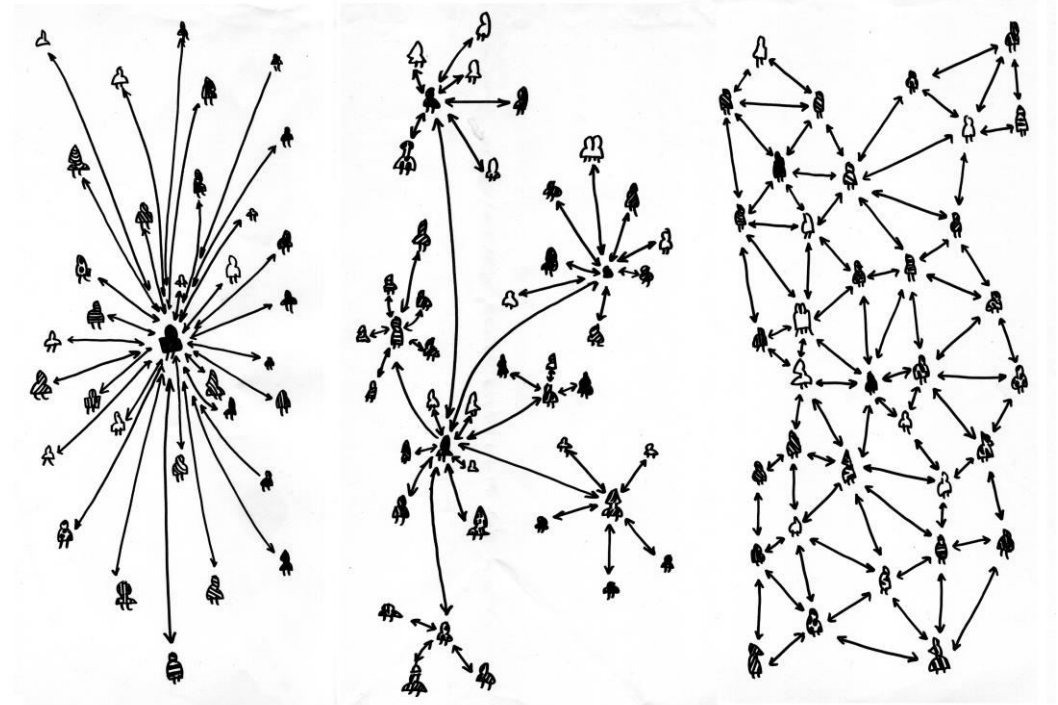
[Inference-proof Data Filtering for a Probabilistic Setting](#) (2017) Joachim Biskup, Piero Bonatti, Clemente Galdi, Luigi Sauro



Network Topology

[A thin-server approach to ephemeral Web personalization exploiting RDF data embedded in Web pages](#) (2014) - *Dario De Nart, Carlo Tasso, Dante Degl'Innocenti*

[How to Publish Privately](#) (2014) - *Nuno Bettencourt, Nuno Silva, and João Barroso*



Anonymisation

[Semantic Web Enabled Record Linkage Attacks on Anonymized Data](#) (2016) - *Jacob Miracle and Michelle Cheatham*

[Towards the use of graph summaries for privacy enhancing release and querying of Linked Data](#) (2016) - *Benjamin Heitmann, Felix Hermsen, Stefan Decker*

[k-RDF-Neighbourhood Anonymity: Combining Structural and Attribute-based Anonymisation for Linked Data](#) (2017) - Benjamin Heitmann, Felix Hermsen, and Stefan Decker

[Privacy-Preserving Data Publishing in Linked Data Mashup Architectures](#) (2017) - *Juan Manuel Doderio, Mercedes Rodríguez-García, Enrico Motta*



Regulatory Compliance

[A European Framework for Regulating Data and Metadata Markets](#) (2016) - *Pompeu*

Casanovas, Víctor Rodríguez-Doncel, Cristiana Santos, Asunción Gómez-Pérez

[Compliance through Informed Consent: Semantic Based Consent Permission and Data Management Model](#) (2017) - *Kaniz Fatema,*

Ensar Hadziselimovic, Harshvardhan Pandit, Christophe Debruyne, Dave Lewis, Declan O'Sullivan

[Modelling Provenance for GDPR Compliance using Linked Open Data Vocabularies](#) (2017) - *Harshvardhan J. Pandit and Dave Lewis*



What does the future hold?



Society, Privacy and the Semantic Web - Policy and Technology <http://prion.semanticweb.org/>