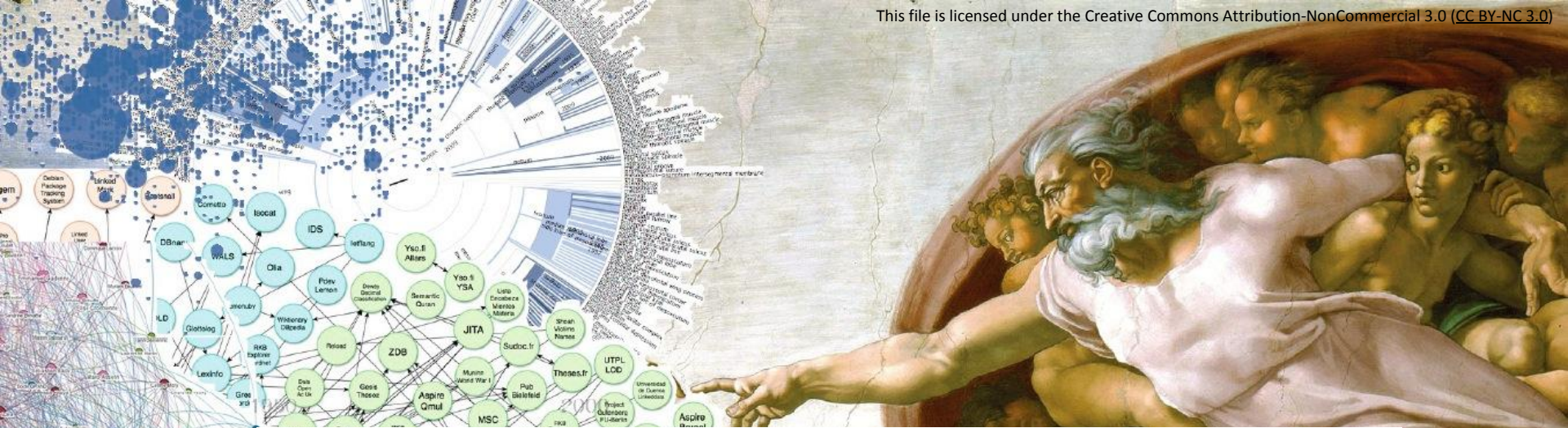




Information Service Engineering

Lecture 4 - Linked Data Engineering II

4.0 Lecture Overview

 **FIZ Karlsruhe**

Leibniz Institute for Information Infrastructure

 **Hasso Plattner Institut**

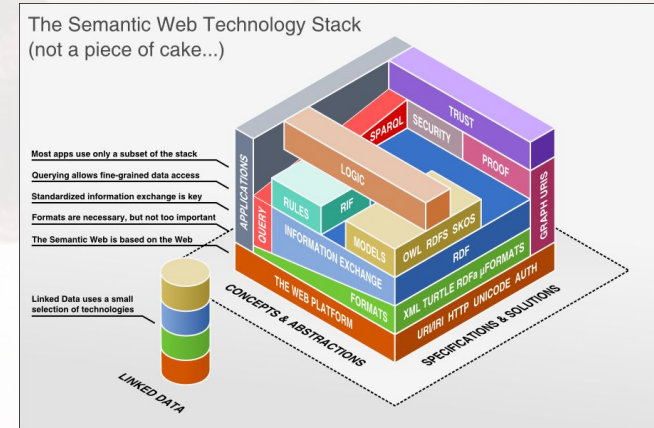

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Karlsruhe Institute of Technology
Spring 2018

Information Service Engineering

Lecture 4: Linked Data Engineering II

- 4.1 Linked Data Principles
- 4.2 Web Ontology Language OWL
- 4.3 Web Ontology Language OWL II
- 4.4 How to Query RDF with SPARQL
- 4.5 Complex Queries with SPARQL
- 4.6 More Complex SPARQL Queries
- 4.7 Linked Data Knowledge Graphs



A close-up photograph of a large pile of M&M's candies. The candies are in various colors: orange, green, pink, and purple. Many of the candies have black text printed on them. The text includes 'Linked Data', 'Semantic Web', and 'MIT IAP 2010'. The candies are scattered across the frame, creating a textured background.

Linked Data Principles

Picture References:

- P.3: Reed Sturtevant, Linked Data (Semantic Web) candies (via flickr.com), <https://www.flickr.com/photos/reedsturtevant/4288406572>