

## Graduiertenkolloquium Angewandte Informatik

### Linked Data Cleansing and Change Management

Dipl.-Inf. Magnus Knuth  
Hasso-Plattner-Institut, Potsdam

The Web of Data is not only permanently growing in terms of covered domains, applied vocabularies, and number of triples, it is indeed in a constant state of flux. While this circumstance may entail extra complexity to the data consumer it also brings the prospect of data improvements over time. So it is in the best interest of data consumers to keep the effort low and receiving a high level of data quality.

This talk will address the involvement of data consumers in the process of data cleansing and issues of handling dynamic Linked Data.

Linked Data publishers can apply various data quality evaluations prior to publication of their datasets. But nevertheless, most inconsistencies only become apparent when the data is processed in applications and presented to the end users. Therefore, it is not only the responsibility of the original data publishers to keep their data tidy, but progresses to become a mission for all distributors and consumers of Linked Data. Hence, data publications ideally get continuously updated in order to match the quality needs of the actual data consumers. My main research topic is the inspection of feedback mechanisms for Linked Data cleansing in open knowledge bases. This work includes processing change requests created by data consumers, versioning Linked Data resources, and methods for individual user notification about data updates.

**Termin:** Freitag, 20. April 2018, 14.00 Uhr  
**Ort:** Kaiserstr. 89, 76133 Karlsruhe  
Kollegiengebäude am Kronenplatz (Geb. 05.20), 1. OG, Raum 1C-04  
(Hinweise für Besucher: [www.aifb.kit.edu/web/Kontakt](http://www.aifb.kit.edu/web/Kontakt))

Veranstalter: Institut AIFB, Forschungsgruppe Information Service Engineering

Zu diesem Vortrag lädt das Institut für Angewandte Informatik und Formale Beschreibungsverfahren alle Interessierten herzlich ein.

A. Oberweis, H. Sack (Org.), H. Schmeck, A. Sunyaev, Y. Sure-Vetter, M. Volkamer, J. M. Zöllner