

## Kolloquium Angewandte Informatik

Beyond research data infrastructures: exploiting artificial & crowd intelligence towards building research knowledge graphs

**Prof. Dr. Stefan Dietze,**  
**GESIS – Leibniz Institute for the Social Sciences, Köln**

The need for sharing and reuse of research data has been widely acknowledged and led to a multitude of data search platforms, registries as well as national and international initiatives. Whereas efforts often focus on improving discovery, retrieval and recommendation of popular research datasets, there is vast untapped potential in the form of dataset (references) hidden in unstructured Web sites or resources as well research data which can be mined from the (social) Web. In this context, crowd and artificial intelligence converge on the task of extracting machine-readable structured knowledge graphs about research data and resources, facilitated by techniques from information retrieval, NLP, (distributional) semantics, and machine learning. This talk will provide an overview of recent works in the aforementioned areas with applications in (but not limited to) the social sciences.

**Termin: Freitag, 21. Februar 2020, 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.), A. Sunyaev, Y. Sure-Vetter, M. Volkamer, J. M. Zöllner