



INFORMATICS COLLOQUIUM

Speaker:

Prof. Dr. Paul Groth, University of Amsterdam

The Information Need that is Data

Abstract:

A central challenge in our modern information environment is how to use, integrate and repurpose data that stem from a multitude of diverse sources. In a sense, one can think about this as data being an information need in and of itself. I will present our work looking at how researchers go about searching and evaluating data and the research challenges this poses. This is based on a unique survey of over 1600 researchers. I'll then talk about our work in this direction focusing on knowledge graph construction and our initial work on end-to-end learning for answering structured queries over text. Structured queries (e.g. SPARQL, SQL) define datasets. This direction asks whether we can supply datasets according to such definitions using question answering approaches.

Bio:

Paul Groth is Professor of Algorithmic Data Science at the University of Amsterdam where he leads the Intelligent Data Engineering Lab (INDELab). His research focuses on intelligent systems for dealing with large amounts of diverse contextualized knowledge with a particular focus on web and science applications. This includes research in data provenance, data integration and knowledge sharing. Paul led the design of a number of large-scale data integration and knowledge graph construction efforts in the biomedical domain. Paul was co-chair of the W3C Provenance Working Group that created a standard for provenance interchange. He has also contributed to the emergence of community initiatives to build a better scholarly ecosystem including altimetric and the FAIR data principles.

Date and time: Monday January 27, 2020, 04.00 pm
Location: Pérolles 21, room E 230, Bd de Pérolles 90, Fribourg
Contact person: Prof. Philippe Cudré-Mauroux

The colloquium is free and open to the public.