



**The College of Engineering and Computer Science  
is pleased to announce a distinguished speaker presentation hosted by  
the Ohio Center of Excellence in Knowledge-enabled Computing (Kno.e.sis)**



**Title:** Linked Data for Enterprise Information Integration

**Speaker:** **Date:** December 3, 2013

**Time:** 1:00 pm

**Place:** 399 Joshi

**Abstract:**

Data integration in large enterprises is a crucial but at the same time costly, long lasting and challenging problem. While business-critical information is often already gathered in integrated information systems such as ERP, CRM and SCM systems, the integration of these systems itself as well as the integration with the abundance of other information sources is still a major challenge. Large companies often have hundreds or even thousands of different information systems and databases. We argue that classic SOA architectures are well-suited for transaction processing, but more efficient technologies are available and can be deployed for integrating data. A promising approach is the use of the linked data paradigm for integrating enterprise data. Similarly, as the data web emerged complementing the document web, data intranets can complement the intranets and SOA landscapes currently found in large enterprises. We explore the challenges large enterprises are still facing with regard to data integration. These include in particular the establishing, management and interlinking of enterprise taxonomies, domain databases, collaboration portals, wikis and other enterprise information sources. We survey Linked Data approaches for their solution and present some examples of successful applications of the Linked Data principles in that context.

**Bio:** Prof. Sören Auer holds the chair for Enterprise Information Systems at University of Bonn and leads a research group at Fraunhofer Institute for Analysis and Information Systems (IAIS). Sören has made substantial contributions to social and semantic web technologies, knowledge engineering, usability, as well as databases and information systems. Sören is author of over 80 peer-reviewed scientific publications. Sören is leading the European Union's FP7-ICT flagship project LOD2 comprising 15 partners from 11 countries. He is co-founder of several high-impact research and community projects such as DBpedia, [SlideWiki.org](http://SlideWiki.org), LinkedGeoData and OntoWiki. organiser and co-programme chair of renowned scientific conferences, area editor of the Semantic Web Journal, serves as an expert for industry, EC, W3C and advisory board member of the Open Knowledge Foundation. Further information at: <http://www.informatik.uni-leipzig.de/~auer/> and <http://scholar.google.com/citations?user=2cpal78AAAAJ>



Ohio Center of Excellence in Knowledge-enabled Computing (Kno.e.sis)  
3640 Colonel Glenn Highway, Wright State University, Dayton, OH 45435-0001  
<http://knoesis.org>

