# Design, Construction and Refinement of KGs by AI

##### Session 3 (DBpedia)

#### Time: Tuesday, September 17, 2024 - 13:00 to 14:30

#### Chair: Milan Dojchinovski, InfAI/DBpedia Association, CTU Prague

## **Talks**

### Welcome & Introduction by chair

| Milan DojchinovskiInfAI/DBpedia Association, CTU Prague | Milan Dojchinovski is a research associate at the Knowledge Integration and Linked Data Technologies KILT at the AKSW. He joined the AKSW group in March 2015 and is a project manager of the H2020 FREME project. His research interests are in Semantic Web, Web services, NLP and Data Integration technologies. Milan has 10+ years experience in the computer industry in Germany, Czech Republic and Slovenia. He has previously been involved in the LOD2 and LinkedTV FP7 European projects. Milan is the author of 20+ peer-reviewed scientific publications. Milan is member of the W3C LD4LT and Open Annotation groups. He holds a MSc. degree in Computer Science from the University of Maribor in Slovenia. Milan is also affiliated with the Czech Technical University in Prague where he holds position of an Assistant Professor and he works on his PhD thesis with focus on Linked Data Access and Knowledge Extraction mechanisms. |
| --- | --- |

### 

### Training an LLM for generating KG from raw transcript

| Michiel Buisman, CIO Office @ UWV [LinkedIn profile](https://www.linkedin.com/in/mbuisman/) |  |
| --- | --- |

### Sensemaking Networks: Transforming Science Social Media Into a Semantic Web of Science (remote)

| Ronen TamariAstera Institute [LinkedIn profile](https://www.linkedin.com/in/ronen-tamari-11482189/) |
| --- |

### Text2Networks: Bootstrapping Domain Ontologies and Inference Pipelines that Build Graphs from Textual Data Streams

| Chris Hokamp, Quantexa [LinkedIn profile](https://www.linkedin.com/in/chris-hokamp-a7844049/) | Demian Gholipour, Quantexa | Shashank Mangla, Quantexa | Jack Boylan, Quantexa |
| --- | --- | --- | --- |

### 

### LLM-assisted KG engineering

| Johannes Frey, InfAI | Johannes studied computer science at Leipzig University with focus on database technologies, computer networks & distributed systems and Semantic Web. During his bachelors he worked as a student assistant at the business information systems department for the “Leipzig Data” project and developed PHP-based semantic solutions for publishing and visualizing RDF data. In his bachelor thesis he created a WordPress plugin for the humanities to author, manage, publish and visualize RDF data within WordPress. In the beginning of 2015 he joined the Knowledge Integration and Linked Data Technologies competence center (KILT) of the Institute of Applied Informatics (InfAI) as graduate assistant. Within this work he supported the creation of an open industry knowledge graph in the “Smart Data Web” research project. In his master thesis he evaluated and benchmarked metadata representation models in RDF stores and wrote Java-based tools for flexible metadata storage and querying. |
| --- | --- |