

# Knowledge Graphs and Hypertext

## Interaction with Rich Knowledge Structures

Website: <http://k-graph.info>

Hypertexts combine rich knowledge structures with ways of exploring them. Structured knowledge representations have been developed across domains ranging from digital humanities to scientific research. Knowledge graphs have emerged as an important framework for knowledge representation. They are applied in services such as Wikidata. This workshop will consider how knowledge graphs and related structured knowledge can provide a foundation for different types of user interaction such as argumentation and issue-based information systems, explanations, guided tours, and adaptive personalization. And conversely, how knowledge structures can be extended to support these modes of interaction. There are many areas to be examined, such as extensions to ontologies, semantic modeling, rules, capturing the evolution of knowledge, and the relationship to LLMs.

### Topics:

- Digital humanities, history, eScience, healthcare, and government
- Argumentation and explanatory systems
- Multimodal knowledge graphs
- Semantic and linguistic foundations such as ontologies and discourse
- User models, session models, and student models for large-scale adaptive hypertext
- Coordination among knowledge resources and scaling up
- Applications of LLM RAGs and embeddings
- Conceptual models and high-level knowledge structures
- User interaction and evaluation
- Dynamic, evolving and event knowledge graphs, prosopography
- Narrative, games, and tutoring

### Submissions

#### *Research Papers*

Submit to the HTKG track under the ACM HT'26 EasyChair page.

Dates: Deadline 1 August, Notification: 20 August

Accepted research papers will be included in the conference CEUR-WS submission.

- Full papers: 4000-10000 words, ACM format
- Short papers: 2000-4000 words

#### *Participation Papers*

Submit by email to the Chair.

- 500-word position paper (optional 5-minute presentation and posting on workshop website)
- 1 paragraph statement (all participants)

### Organization and Contact

Chair: Robert B. Allen, email: [rba@boballen.info](mailto:rba@boballen.info), web: <http://boballen.info/>

Inquiries, comments, and expressions of interest are encouraged.

Contact the Chair or enter your name on the workshop web page.