



# SCHEDULE

Knowledge Graphs and Semantic Web Conference 2024.  
11-13 December 2024

## December 11, 2024

9:00 – 17:00 Central European time (CET)  
Room Turing Conseil - Université Paris Cité

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9:15 – 9:30	<b>Opening Ceremony KGSWC 2024</b> Chairs
9:30 – 10:20	<b>Keynote Speaker</b> <b>Philipp Cimiano</b> Lexicalization Is All You Need Examining the Impact of Lexical Knowledge in a Compositional QALD System
10:20 – 10:30	<b>Break</b>
	<b>Conference Day 1</b> <b>Session 1</b>
10:30 – 10:55	<b>Eero Hyvonen, Patrik Boman, Heikki Rantala, Annastiina Ahola, Petri Leskinen</b> ConfermentSampo - A Knowledge Graph, Data Service, and Semantic Portal for Intangible Academic Cultural Heritage 1643-2023 in Finland
10:55–11:20	<b>Tareq Md Rabiul Hossain Chy, Henon Lamboro, Olivier Genest, Antonio Kung, Cécile Rabrait, Dune Sebilleau, Amélie Gyrard</b> Design of an Ontology-Driven Constraint Tester (ODCT) and Application to SAREF & Smart Energy Appliances
11:20 – 11:45	<b>Hussam Ghanem, CHRISTOPHE CRUZ</b>

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**Enhancing Knowledge Graph Construction: Evaluating with Emphasis on Hallucination, Omission, and Graph Similarity Metrics**

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**11:45 – 12:10**

**Erhun Giray Tuncay, Nenad Krdzavac, Felix Caspar Engel**  
**Enhancing WebProtégé with Version Control Systems**

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**12:10 – 12:40**

**Ultipa Sponsors Talk**  
**Bridging Academia and Industry: Exploring Graph Algorithms with Ultipa and GQL**

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**12:40 – 13:45**

**Break – Lunch**

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**Conference Day 1**

**Session 2**

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**13:45– 14:10**

**Pramit Bhattacharyya, Samarth Chauhan, Raghava Mutharaju (Online)**  
**OntoSeer - A Recommendation System to Improve the Quality of Ontologies**

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**14:10 – 14:35**

**Sebastian Schmid, Michael Freund, Andreas Harth**  
**Adaptive Planning on the Web: Using LLMs and Affordances for Web Agents**

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**14:35 – 15:00**

**Michael Freund, Rene Dorsch, Sebastian Schmid, Thomas Wehr, Andreas Harth**  
**Enriching RDF Data with LLM based Named Entity Recognition and Linking on Embedded Natural Language Annotations**

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**15:00 – 15:30**

**Coffee Break**

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**15:30 – 15:55**

**Sepideh Hooshafza, Beyza Yaman (ADAPT); Alex Randles, Mark Little**  
**TEDME\_KG Metrics Framework: A Metrics Framework for Temporal Data Modelling Evaluation in Knowledge Graphs**

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**16:00 – 16:50**

**Keynote Speaker**  
**Sven Groppe**  
**Jigsaw Puzzle of Research for Knowledge Graphs and the Semantic Web**

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**Knowledge Graphs and Semantic Web Conference 2024**  
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**December 12, 2024**

9:00–17:00 Central European time (CET)  
Room Turing Conseil - Université Paris Cité

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9:20 – 9:30                      **Opening Chairs**

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9:30 – 10:20                    **Keynote Speaker**  
**Nathalie Aussenac-Gilles**  
Finding and reusing data: More semantics still needed

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10:20 – 10:30                   **Break**

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**Conferences Day 2                      Session 3**

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10:30–10:55                    **Archit Chadalawada, Gerard Deepak**  
SFARDE: A Knowledge-Centric Semantic Strategic  
Framework for Heritage Artifact Recommendation  
Integrating Generative AI and Differential Enrichment of  
Ontologies **(Online)**

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10:55–11:20                    **Abdelkader Ouared , Nouredine Belarbi, Kebbal Seddik**  
Leveraging Graph Models for Comprehensive Visual  
Analytics of Equine Heritage **(Online)**

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11:20 – 11:45                   **Sevinj Teymurova, Ernesto Jimenez-Ruiz, Tillman Weyde**  
OWL2Vec4OA: Tailoring Knowledge Graph Embeddings  
for Ontology Alignment

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11:45 – 12:10                   **Jorge Rodriguez-Revello, Cristóbal Barba-Gonzalez,**  
**Maciek Rybinski, Ismael Navas-Delgado**  
YOKO ONtO: You only KNIT one ontology

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12:10 – 12:40                   **Sponsor Talk BDTA on Ontologies Catalogue**

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12:40 – 13:45                   **Break - Lunch**

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**Conferences Day 2**

**Session 4**

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**13:45 – 14:10**

**Rie Hasegawa, Ryutaro Ichise**

**CoKGLM: Detecting Hallucinations Generated by Large Language Models via Knowledge Graph Verification**

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**14:10 – 14:35**

**Kiara Marnitt Ascencion Arevalo, Shruti Ambre, Rene Dorsch**

**AutOnto: Towards A Semi-Automated Ontology Engineering Methodology**

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**14:35 – 15:00**

**Faiza Nuzhat, Kanchan Shivashankar, Nadine Steinmetz**

**Enhancing Question Answering Systems with Generative AI: A Study of LLM Performance and Error Analysis**

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**15:00 – 15:30**

**Cofee Break**

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**15:30 – 15:55**

**Ege A Do\_an, Peter Patel-Schneider**

**Disjointness Violations in Wikidata**

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**16:00 – 16:50**

**Keynote Speaker**

**Pascal Hitzler (Online)**

**Large Language Models for Knowledge Graph and Ontology Engineering: Opportunities and Challenges**

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Knowledge Graphs and Semantic Web Conference 2024  
11-13 December 2024

## December 13, 2024

9:00–15:00 Central European time (CET)  
Room R229 - Université Paris Cité

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9:20 – 9:30

**Opening**

Chairs

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9:30 – 10:20

**Keynote Speaker**

**Fabien Gandon**

Knowledge Graphs as the Foundation for Interoperable  
Intelligent Systems

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10:20 – 10:30

**Break**

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Conference Day 3

Session 5

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10:30–10:55

**Lelde Lāce, Aiga Romāne-Ritmane, Mikus Grasmanis,  
Arturs Sprogis, Julija Ovcinnikova, Uldis Bojārs. Kārlis  
Cerans**

Visual Presentation and Summarization of Linked Data  
Schemas

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10:55–11:20

**Henrik Dibowski (Online)**

Views, Semantic Data Catalog and Role-Based Access  
Control for Ontologies and Knowledge Graphs

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11:20 – 11:45

**Lina Nachabe, Nushrat Jahan**

A Proposed Ontology Evaluation Tool to Assist Ontology  
Engineers in Selecting Ontologies During the Reuse  
Phase

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11:45 – 12:10

**Muhammad Raza Naqvi, Arkopaul Sarkar, Farhad Ameri, Linda  
Elmhadhbi, and Mohamed Hedi Karray**

Formalizing Manufacturing Commonsense Knowledge (MCSK)  
Patterns

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12:10 – 13:15

**Break – Lunch**

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13:15 – 13:40

**Hanieh Khorashadizadeh, Nandana Mihindukulasooriya,  
Nilufar Ranji, Morteza Ezzabady, Frederic Ieng, Jinghua  
Groppe, Farah Benamara, and Sven Groppe**

Construction and Canonicalization of Economic Knowledge  
Graphs with LLMs

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**13:40 – 14:05**

**Mutahira Khalid, Raihana Rahman, Asim Abbas, Sushama Kumari (Online)**

**Accelerating Medical Knowledge Discovery through Automated Knowledge Graph Generation and Enrichment**

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**14:05 – 14:30**

**Reihaneh Amini, Sanaz Saki Norouzi, Pascal Hitzler, Reza Amini**

**Towards Complex Ontology Alignment using Large Language Models**

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**14:30**

**Closing KGSWC 2024**

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