



# SCHEDULE

## Knowledge Graphs and Semantic Web Conference 2024

11-13 December 2024

December 11, 2024

9:00 – 17:00 Central European time (CET)

Université Paris Cité

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9:15 – 9:30

Opening Ceremony KGSWC 2024

Chairs

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9:30 – 10:20

Keynote Speaker  
Philipp Cimiano  
TBD

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10:20 – 10:30

Break

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Conference Day 1

Session 1

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10:30 – 10:55

Eero Hyvonen, Patrik Boman, Heikki Rantala, Annastiina Ahola,  
Petri Leskinen  
ConfermentSampo - A Knowledge Graph, Data Service, and  
Semantic Portal for Intangible Academic Cultural Heritage  
1643-2023 in Finland

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10:55–11:20

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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11:20 – 11:45

Hussam Ghanem, CHRISTOPHE CRUZ  
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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# SCHEDULE

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<b>12:10 – 12:40</b>	<b>Ultipa Sponsors Talk TBD</b>
<b>12:40 – 13:45</b>	<b>Break – Lunch</b>
	<b>Conference Day 1                      Session 2</b>
<b>13:45– 14:10</b>	<b>Pramit Bhattacharyya, Samarth Chauhan, Raghava Mutharaju (Online) OntoSeer - A Recommendation System to Improve the Quality of Ontologies</b>
<b>14:10 – 14:35</b>	<b>Sebastian Schmid, Michael Freund, Andreas Harth Adaptive Planning on the Web: Using LLMs and Affordances for Web Agents</b>
<b>14:35 – 15:00</b>	<b>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</b>
<b>15:00 – 15:30</b>	<b>Coffee Break</b>
<b>15:30 – 15:55</b>	<b>Sepideh Hooshafza, Beyza Yaman (ADAPT); Alex Randles, Mark Little TEDME_KG Metrics Framework: A Metrics Framework for Temporal Data Modelling Evaluation in Knowledge Graphs</b>
<b>16:00 – 16:50</b>	<b>Keynote Speaker Sven Groppe Jigsaw Puzzle of Research for Knowledge Graphs and the Semantic Web</b>

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**December 12, 2024**

**9:00–17:00 Central European time (CET)**

**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**  
**TBD**

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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**                      **Tareq Md Rabiul Hossain Chy, Henon Lamboro, Olivier Genest, Antonio Kung, Cécile Rabrait, Dune Sebilleau, Amélie Gyrard**  
**Design of an Ontology-Driven Constraint Tester (ODCT) and Application to SAREF & Smart Energy Appliances**

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**10:55–11:20**                      **Abdelkader Ouared , Noureddine 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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# SCHEDULE

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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

Coffee Break

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15:30 – 15:55

**Ege A Dogan, 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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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 (Online)

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# SCHEDULE

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	<b>Formalizing Manufacturing Commonsense Knowledge (MCSK) Patterns</b>
<b>12:10 – 13:15</b>	<b>Break – Lunch</b>
<b>13:15 – 13:40</b>	<b>Hanieh Khorashadizadeh, Nandana Mihindukulasooriya, Nilufar Ranji, Morteza Ezzabady, Frederic Ieng, Jinghua Groppe, Farah Benamara, and Sven Groppe</b> <b>Construction and Canonicalization of Economic Knowledge Graphs with LLMs</b>
<b>13:40 – 14:05</b>	<b>Mutahira Khalid, Raihana Rahman, Asim Abbas, Sushama Kumari (Online)</b> <b>Accelerating Medical Knowledge Discovery through Automated Knowledge Graph Generation and Enrichment</b>
<b>14:05 – 14:30</b>	<b>Reihaneh Amini, Sanaz Saki Norouzi, Pascal Hitzler, Reza Amini</b> <b>Towards Complex Ontology Alignment using Large Language Models</b>
<b>14:30 – 15:00</b>	<b>Sponsor Talk/Coffee Break</b> <b>TBD</b>
<b>15:00</b>	<b>Closing KGSWC 2024</b>

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# SCHEDULE

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