SCHEDULE

Knowledge Graphs and Semantic Web Conference 2026
November 16-18, 2026

16 November, 2026
9:00 – 17:00 Central European Time (CET)
IMP, Belgrade, Serbia

9:00 – 9:10	**Opening Ceremony KGSWC 2025** Chairs
9:10 – 10:10	**Keynote Speaker** **Maria Esther Vidal** - Leibniz University of Hannover
10:10 – 10:30	**Break**
	Conference Day 1 Session 1
10:30 – 10:50	**Clarissa Astuto, Biondi Serena, Brisindi Laura, Carmela De Felice, Carmelo Fabio Longo, Mirko Giuseppe Mangano, Marianna Nicolosi Asmundo and Daniele Francesco Santamaria** **MEMENTO - Meta-Annotated Change Graph Based Management of Evolving Ontologies**
10:50 – 11:10	**Özge Kaçmaz and Fatmana Şentürk.** **ThreatGraph AI: Cyber Threat Analysis and Risk Prediction**
11:10 – 11:30	**Tareq Md Rabiul Hossain Chy, Cornelis Bouter, Laura Daniele, Antonio Kung, Olivier Genest, Henon Mengistu Lamboro, Léo Cornec, Cécile Rabrait and Amélie Gyrard.** **From Semantic Conformance to Behavioral Interoperability Testing: An Ontology-Driven Constraint Validation Framework**

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11:30 – 11:50	**Dario Ceballos** **Visual Ocean Explorer: Automating Chart Selection over Linked Marine Data through Ontological Intent**
11:50 – 12:20	**Sponsor Speaker** **Sebastian Tramp**
12:20 – 13:00	**Break – Lunch**
	Conference Day 1 **Session 2**
13:00 – 13:20	**John Beverley** **An OWL 2 Object-Property Cheat Sheet**
13:20 – 13:40	**Goran Marković, Slobodan Beliga and Ana Meštrović** **A Temporal Knowledge Graph Schema to Support Point-in-Time Grounding of LLM Answers over Legal Sources**
14:00 – 14:20	**Ben Lagnese and Manas Gaur** **SelfGraphRAG: Bridging the Supervision Gap in Graph-Based RAG with Synthetic QA Generation**
14:20 – 14:40	**Milos Nenadovic and Valentina Janev** **Harness Engineering for Ontology-Grounded Semantic Parsing with Small Language Models**
14:40 – 15:00	**Henna Poikkimäki, Eero Hyvönen and Petri Leskinen** **How to Enhance Data Literacy of a Linked Data Cloud of Heterogeneous Cultural Heritage Collections: Case SampoSampo – Connecting Everything to Everything Else**
15:00 – 15:20	**Gandharva Naveen, Abdulsobur Oyewale, Ronit Banerjee, Aakash Thatte, Ananya Ananya, Ziwei Xu, Diego Moussallem, Yogesh Kulkarni and Tommaso Soru** **A Neuro-Symbolic Framework for Knowledge Graph Construction from Text**

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15:20 – 15:40	**Stergios Chatzikyriakidis** **Saying Is Still Not Modelling: An Empirical Audit of LLM-Generated Knowledge Graphs for Terminology in the Humanities**
15:40 – 16:30	**Break**
16:30 – 17:20	**Keynote Speaker** **Pascal Hitzler** - Kansas State University

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9:00 – 9:10	**Opening** Chairs
9:10 – 10:10	**Keynote Speaker** **Rajendra Akerkar -** Western Norway Research Institute
10:10 – 10:20	**Break**
	Conferences Day 2 Session 3
10:20–10:40	**Fabia Martens, Nan Liu, Philipp Schmurr, Karl-Uwe Stucky, Wolfgang Suess and Veit Hagenmeyer** **Scheduled Penalty Learning for Box Embeddings**
10:40–11:00	**A Hayden Freedman, Neda Abolhassani, Javarrus Mickle, Alfredo Garcia and Teresa Tung** **LLM Generation of Ontology Artifacts with Graph-Based Correction**
11:00 – 11:20	**Nan Liu, Xuanhao Mu, Zhiyu Pan, Wolfgang Suess and Veit Hagenmeyer** **DART: Domain-Agnostic Retrieval-based Column Type Annotation**
11:20 – 12:00	**Aleksandr Gashkov, Maria Eltsova, Aleksandr Perevalov and Andreas Both**

SCHEDULE

	How to Mitigate the Memorization Effect Towards Realistic Evaluations of Multilingual KGQA Systems Using Dynamically Generated Benchmark Datasets
12:00 – 13:00	**Break - Lunch**
	Conferences Day 2 Session 4
13:20 – 13:40	**Leonardo Melgar, Joaquín Vidal, Bruno Di Bello, Regina Motz and Edelweis Rohrer** **Integrating Henkin Flexible-Level Meta-Modelling into the HermiT Reasoner**
13:40 – 14:00	**Chris Davis Jaldi, Anmol Saini, Elham Ghiasi and Cogan Shimizu** **Assessing Schema-Guided SPARQL Path Resolution for Ontology-Aware GraphRAG**
14:00 – 14:20.	**Chris Davis Jaldi, Anmol Saini, Antrea Christou and Cogan Shimizu** **Ontology Conceptual Accessibility and Drift in LLM–Knowledge Graph Interaction**
14:20 – 14:40	**Kazuhisa Nakano, Koki Ijuin and Takuichi Nishimura** **Toward Polyphonic Organizations: An Ontology for Event Individuation and Polyvocal Interpretation**
14:40 – 15:00	**Sevinj Teymurova, Ernesto Jiménez-Ruiz and Tillman Weyde** **Hybrid Semantic Embeddings and Similarity Learning for Ontology Alignment**
15:00 – 15:20	**Sponsor Speaker** **BDTA**

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9:00 – 9:10	**Opening** Chairs
9:10 – 10:10	**Keynote Speaker** **Astrid Niesse - University of Oldenburg**
10:10 – 10:30	**Break**
	Conference Day 3 **Session 5**
10:30 – 10:50	**Hajira Jabeen and Zawyar Rehman** **AnnoTology: Ontology Term Retrieval for Interactive Metadata Template Annotation**
10:50 – 11:10	**Elwin Huaman** **Knowledge Graphs Quality Assessment in the Era of LLMs: A Conceptual Framework**
11:10 – 11:30	**Jose Emilio Labra Gayo and Eric Prud'Hommeaux** **Towards automated formal verification of ShEx with Lean**
11:30 – 11:50	**Ghislain Atemezing** **A Semantic Backbone for European Rail Data Exchange: Automating the Telematics Extension of the ERA Ontology**

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11:50-12:40	**Keynote Speaker**
12:40 – 13:00	**Closing KGSWC 2026**
13:00 – 14:00	**Lunch**

SCHEDULE

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KGSW Posters and Demonstrations

17 November, 2026

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9:00 – 9:10	**Opening** Chairs
9:10 – 10:10	**Keynote Speaker** **Rajendra Akerkar -** Western Norway Research Institute
10:10 – 10:20	**Break**
	Conferences Day 2 Session 3
10:20–10:40	**Shuaib Ahmad** **From Enterprise Metadata to Executable Knowledge: An Interactive Demonstration of Semantic AI Reasoning over Heterogeneous Data**
10:40–11:00	**Eric Cade** **Fathom: Toward a Provenance-Aware Relational Workspace for Human–AI Investigation**
11:00 – 11:20	**Ksenija Ćiraković and Marija Mitrović Dankulov** **Uncovering structural roles in patent claims with knowledge graphs**
11:20 – 12:00	**Yuliia Dikova, Nadiia Huskova, Preston Rodrigues and Thomas Bönisch** **Keeping Context in the Graph: Cross-Dataset Exploration of Scientific Metadata with RDF Named Graphs**

SCHEDULE

International Workshop on Domain-Specific Agentic AI (DSAAI 2026)
In conjunction with Knowledge Graphs and Semantic Web Conference 2026

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9:00 – 9:10	**Opening**
9:10 – 10:10	**Keynote Speaker** **Astrid Niesse - University of Oldenburg**
10:10 – 10:30	**Break**
	DSSAI 2026 - Session 1 (On-site)
10:30 – 10:50	**Serbian AI Factory Antenna: Vision**
10:50 – 11:10	**Dušan Milojević** **A Domain-Specific Agentic AI Architecture for Inverse Design of Additively Manufactured Cu–PLA Porous Filters**
11:10 – 11:30	**Jianxun Cui** **When Should a Driving Agent Trust Its World Model? Evidence-Grounded Simulation Orchestration with Selective Policy Orders?**
11:30 – 11:50	**Lidija Fodor** **TURING: Scientific Concept and Architecture**
11:50-12:40	**Keynote Speaker** **Soren Auer -** Leibniz University of Hannover
12:40 – 13.00	**Closing KGSWC 2026**
13:00 – 14:00	**Lunch Break**

SCHEDULE

DSSAI 2026 - Session 2 (Online)

14:10 – 14:30	**Jasleen Kaur** **A Knowledge Graph Injection Framework for Constraining and Contextualizing Generative AI in Specialized Domains information on submission**
14:30 – 14:50	**Dhanusiya S** **Answer Evaluation System Based on AI Technology Having Explainable Evaluation Results and Student's Performance Ranking**
14:50 – 15:10	**Swapnali Dashrath** **Domain-Specific Agentic AI for Regulated Contract Intelligence: Architectural Lessons from an Enterprise Deployment**
15:10 – 15:30	**Marija Popović** **Platform Architecture for AI-Supported Scientific Workflows and HPC Integration in Battery Materials Research**
15:30 – 15.40	**Closing DSAAI 2026**