callforpaper.org

Slovenia June 1-5, 2025

CONFERENCE WEBSITE: https://sites.google.com/view/kg-star/home

About the Conference

KG-STAR 2025: 2nd International Workshop on Knowledge Graphs for Responsible AI
co-located with the 22nd Extended Semantic Web Conference (ESWC)
June 1 - 5, 2025 | Portoroz | Slovenia.

🌍 Join us at ESWC 2025 as we explore the intersection of Knowledge Graphs (KGs) and Responsible AI. We invite high-quality submissions that address key challenges and opportunities in this space.

🔍 Topics of Interest (not limited to):

- Knowledge Graphs for Bias Mitigation
- Techniques and methodologies for using Knowledge Graphs to identify and mitigate biases in AI models.
- Case studies demonstrating the successful application of Knowledge Graphs in addressing bias challenges.

- Interpretability and Explainability
- Approaches to enhancing the interpretability and explainability of black-box AI models through

Important Dates

JUN 01

CONFERENCE DATE
June 1-5, 2025

integrating Knowledge Graphs.
- Evaluating the effectiveness of Knowledge Graphs in making AI decision-making processes more transparent.

- Privacy-Preserving Knowledge Graphs
- Methods for constructing Knowledge Graphs that prioritize privacy and comply with data protection regulations.
- Applications of Knowledge Graphs in privacy-preserving AI systems.

- Fairness in AI with Knowledge Graphs
- How Knowledge Graphs contribute to ensuring fairness in AI applications.
- Techniques for using Knowledge Graphs and their embeddings to identify and rectify unfair biases in AI models.

- Ethical Considerations in Knowledge Graph Construction
- Ethical challenges in the creation and maintenance of Knowledge Graphs.
- Best practices for ensuring responsible and ethical Knowledge Graph development.
- Real-world applications of Knowledge Graphs in Responsible AI.

- Integration of Large Language Models (LLMs) and Knowledge Graphs (KGs)
- Enhancing LLMs’ accuracy, and consistency, reducing hallucinations and harmful content generation, fake news detection, fact-checking, etc., with knowledge-grounded techniques, e.g., Graph RAG (graph-based retrieval augmented generation) and KG RAG.

- Enhancing the interoperability of KG downstream tasks through LLMs’ natural language interfaces, transferability, and generalization capacity, e.g., GNN (graph neural network)-LLM alignment.

👥 Organizing Committee:
👩 Edlira Kalemi Vakaj, Birmingham City University, UK
👩 Nandana Mihindukulasooriya, IBM Research, USA
👩 Manas Gaur, University of Maryland Baltimore County, USA
👩 Arijit Khan, Aalborg University, Denmark

TOPICS OF INTEREST

2 topics

Research papers are invited in, but not limited to, the following areas:

- Uncategorized
- Artificial Intelligence & Machine Learning