

# First International Workshop on Users and Knowledge Graphs (UKG): Summary

Christophe Debruyne<sup>1</sup>, Enayat Rajabi<sup>2</sup> and Somayeh Kafaie<sup>3</sup>

<sup>1</sup>Montefiore Institute, University of Liège, Belgium

<sup>2</sup>Cape Breton University, Canada

<sup>3</sup>Saint Mary's University, Canada

## Abstract

This is a summary of the First International Workshop on Users and Knowledge Graphs (UKG) co-located with the 21st International Conference on Semantic Systems (SEMANTICS).

## Summary

Knowledge graphs (KGs) have emerged as a powerful paradigm for representing and managing complex information, underpinning numerous applications from search engines to personalized recommendations. However, the true potential of KGs can only be realized when users effectively utilize them. While the technical aspects of KG construction and reasoning have seen significant advancements, the human element often remains underexplored. Many KGs, despite their rich semantic structure, are not readily accessible or understandable to their intended users. This disconnect can hinder the adoption and effective use of KGs in various domains.

The UKG workshop is motivated by the growing recognition of the crucial role of user interaction in the success of KG-based systems. There is a need to understand: How users perceive and interact with KGs? What challenges do users encounter when querying, exploring, or contributing to KGs? How can KG-based applications be designed to be more intuitive and user-friendly? What evaluation metrics and methodologies are appropriate for assessing user interaction with KGs? By bringing together researchers and practitioners from diverse backgrounds, this workshop aims to identify key research directions and foster collaborative efforts to address these challenges. A deeper understanding of user interaction with KGs is essential for unlocking the full potential of this technology and enabling its widespread adoption. This workshop thus focuses on the intersection of users and knowledge graphs. It explores how individuals interact with KGs, the challenges they face, and the innovative solutions that can help bridge the gap between KG technology and user needs. We aim to foster discussions that improve the usability, accessibility, and adoption of KGs in real-world scenarios.

The workshop's target audience includes academics and industrial players, especially those working on KG projects involving different types of stakeholders and end-users. We aim for a high diversity of experience among participants, whether they work in fundamental, applied, or industrial research. Specifically, the workshop targets researchers and practitioners in Semantic Web, information retrieval, artificial intelligence, and data science.

In this first edition, we received six submissions. One was desk-rejected. Each remaining paper underwent a rigorous peer-review process with three reviews per paper, involving a mix of junior and senior reviewers. Ultimately, three papers were accepted for presentation.

The website of the workshop is: <https://ukgworkshop.github.io/>

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id 0000-0003-4734-3847 (C. Debruyne); 0000-0002-9557-0043 (E. Rajabi); 0000-0002-5685-6487 (S. Kafaie)



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