

Statement of Vision for the Future Development of ACM Transactions on Knowledge Discovery from Data (TKDD)

Dear Members of the Nominating Committee and the TKDD Community,

I am deeply honored and enthusiastic about the prospect of serving as the Editor-in-Chief (EiC) of ACM Transactions on Knowledge Discovery from Data (TKDD). Drawing upon my extensive academic and research background, I present my vision for the continued growth and excellence of TKDD.

- 1. Advancing Research Excellence:** TKDD has earned a well-deserved reputation as a premier archival source for groundbreaking research in knowledge discovery and data analysis. I am committed to upholding and enhancing this legacy by promoting and publishing high-quality research across a broad spectrum of data types and domains. My goal is to ensure that TKDD remains at the forefront of advancements in scalable algorithms for data mining, real-time data stream mining, multimedia analysis, high-dimensional data, text-based analytics, and more.
- 2. Fostering Interdisciplinary Collaboration:** The field of data mining continues to evolve and intersect with various domains such as machine learning, computational linguistics, and cybersecurity. I envision TKDD as a platform that actively encourages interdisciplinary collaboration. I will strive to expand the journal's scope by soliciting contributions that explore the convergence of these fields, promoting cross-disciplinary research, and enriching the diversity of perspectives presented in the journal.
- 3. Embracing Emerging Technologies:** Rapid advancements in technology, particularly in areas such as deep learning, natural language processing, and data privacy, are reshaping the landscape of data analysis. TKDD must remain at the forefront of these developments. I will prioritize the publication of research that explores cutting-edge technologies and methodologies, ensuring that our readers stay informed about the latest trends and innovations in the field.
- 4. Ethical and Responsible Research:** As the importance of data mining continues to grow, ethical considerations become increasingly significant. I am committed to maintaining TKDD's strong dedication to ethical research practices. We will address issues related to data security, privacy, and fairness, providing guidance and promoting responsible data mining approaches. We will also encourage submissions that examine the ethical dimensions of data mining and their societal impact.
- 5. Diversifying Editorial and Reviewer Base:** A diverse and inclusive editorial board and reviewer pool are essential for ensuring fair and comprehensive reviews. I will actively seek to diversify both, welcoming experts from a wide range of backgrounds and geographic regions. This diversity will enhance the journal's global perspective and contribute to the richness of the research published in TKDD.
- 6. Supporting Early-Career Researchers:** The growth and vitality of the field depend on nurturing the next generation of data scientists. I will initiate programs and

initiatives to support and mentor early-career researchers, providing them with opportunities to contribute to TKDD and guiding them in navigating the intricacies of academic publishing.

1. In conclusion, I am excited and prepared to lead TKDD into a future characterized by continued excellence, innovation, and ethical responsibility. With your support and the collaborative spirit of the TKDD community, I am confident that we can achieve these goals and elevate TKDD to new heights. I look forward to working closely with the editorial board, reviewers, authors, and readers to make this vision a reality.

Thank you for considering my vision for the future of TKDD. I am eager to contribute to the journal's continued success and make a positive impact on the field of knowledge discovery from data.

Sincerely,

Dr. Aytuğ Onan

Division of Computer Software, Department of Computer Engineering, Faculty of Engineering and Architecture, İzmir Katip Çelebi University, 35620, İzmir/Turkey.

Phone: +90 (551) 638 39 87

Email: aytugonan@gmail.com OR aytug.onan@ikc.edu.tr

Personal Homepage: aytugonan.github.io

Web of Science Researcher ID: L-4613-2018

ORCID: 0000-0002-9434-5880

Web of Science Profile: <https://www.webofscience.com/wos/author/rid/L-4613-2018>

Google

Scholar:

<https://scholar.google.com.tr/citations?user=cdUqOj0AAAAJ&hl=tr&oi=ao>