

2025 International Conference on Real World Applications of Agentic AI for Web 3.0 (ICOW3 2025)

Nov 4-5, 2025, Seoul, South Korea

Conference Website: <http://icow3.ksblockchain.org/>

1. Introduction

Web 3.0 is a term used to describe the next generation of Internet being built on blockchain technology. It is expected to have a significant impact on society by decentralizing power, and control over social media platforms providing diverse interaction. Artificial Intelligence (AI) continues to advance with exponential growth, transforming industries and enabling intelligent systems across various domains.

The convergence of these two transformative forces – Web 3.0 and AI – holds immense potential to revolutionize our world. Key topics include data sovereignty, blockchain governance, agentic AI and its infrastructure. This conference will focus on these issues and present the state of the arts in Real World Applications of Agentic AI for Web3. Agentic AI is being developed to build autonomous AI Agents operated as the intelligent assistant, enabling them to perform complex decision-making.

ICOW3 2025 is envisioned as the premier conference for fostering and disseminating cutting-edge insights into agentic AI systems. It serves as a vital platform where leading researchers from academia and industry.

2. Submission Guidelines

Full Paper: 8 to 10 pages for academic paper

Short Paper: 2-3 pages industrial paper

Submit the paper through EasyChair: <https://easychair.org/conferences/?conf=icow3-2025>

September 30, 2025: Manuscript submissions due at 10 p.m. KST (Seoul)

October 10, 2025: Reviews due

October 11, 2025: Notification to Author

October 17, 2025: Camera ready submission due at 10 a.m. KST (Seoul)

October 24, 2025: Early Registration deadline

November 5, 2025: Conference Date. at 10 a.m. KST (Seoul)

3. List of Topics

The conference will focus on the following topics (but not limited to):

- Web 3.0 use cases and applications in various domains
- Identification and authentication technology for Web 3.0
- Data privacy and security issues of digital wallet
- Blockchain infrastructure technology for web 3.0 especially extendibility
- Web 3.0 applications with Artificial Intelligence
- Real world Agentic AI leverages advanced technologies such as large language models (LLMs), deep reinforcement learning (DRL), and generative AI (GenAI)
- AI (e.g., machine/deep learning) experiments for web 3.0
- Digital wallet for Internet of Things (IoT) and Cyber-physical Systems (CPS)
- Web 3.0 data market place technology
- Data and resource curation technology for web 3.0
- Metaverse application technology for Web 3.0
- Economy ecosystem for Web 3.0 metaverse
- AI based carefree Identification and authentication technology
- Digital Wallet security for Web 3.0 applications
- SBT (Soul Bound Token) and NFT (Non-Fungible Token) applications in Web 3.0
- Digital asset issues in Web 3.0
- Token economy for Web 3.0
- Security and Privacy issues in Web 3.0 and applications
- Information Democratization

4. Publication

Best papers from the conference will be fast tracked for publication in a special issue of the ***Journal of Web Engineering***, indexed in SCIE and SCOPUS: <https://journals.riverpublishers.com/index.php/JWE>

5. Venue

The conference will be held in COEX Hall located in Seoul, South Korea. For more information about the venue and the hotel accommodation visit <http://icow3.ksblockchain.org/hotel-travel/hotel-information/>

6. Contact

All questions about submissions should be emailed to yhkang@bu.ac.kr and Ka.Man@xjtlu.edu.cn.

7. Sponsors

Korea Blockchain Society

River Publishers

8. Conference Organizers

General Chair:

Prof. Young B. Park (Dankook Univ.)

General Co-Chair:

Prof. Vijayan Sugumaran (Oakland Univ.)

Organizing Chair:

Prof. Hyo Jin Lee (Korea Univ.)

Program Chair:

Prof. Yun Hee Kang (Baekseok Univ.)

Program Co-Chair:

Prof. Kalok Man (Xi'an Jiaotong-Liverpool Univ.)

Publication Chair:

Minyang Cho (Dong-Seoul Univ.)

Local Chair:

Prof. Sooyong Park (Sogang Univ.)