



The International Workshop on Data Element Technology System and Its Applications

Introduction

Data is the foundation of digitalization, networking, and intelligence, and it has been quickly integrated into various links of production, distribution, circulation, consumption, and social service management, profoundly changing the way of production, way of life, and way of governance. Data element refers to the data resources that exist in electronic form and play an important role in production and business activities through computing. There are many application scenarios for data in public services, manufacturing, finance, e-commerce, etc. The development and utilization of data elements can greatly improve production efficiency, improve market transaction efficiency, optimize the structure of production factor allocation, reduce the input of other production factors, promote the efficient connection and integration of all factors, and also enable the cultivation of new products, new business models, and new services.

Topics of Interest:

Including but not limited to:

- Trusted circulation systems and key technologies for data elements: blockchain, privacy computing, secure multi-party computation, homomorphic encryption, etc.
- Frontier technologies for the development and utilization of data elements: the latest advancements in data-driven technologies such as databases, artificial intelligence, deep learning, and federated learning.
- Frontier technologies and applications for data element circulation and trading: data products and pricing, data assetization, asset datafication, etc.

- Typical application scenarios of data elements empowering industry development: potential scenarios such as healthcare, industrial manufacturing, modern agriculture, transportation, cultural tourism, and social governance.
- Technologies for data element market regulation: data classification and grading technologies, detection and identification of illegal information, etc.

Important Dates:

- Submission deadline: 10th September 2024
- Review deadline: 10th October 2024
- Acceptance deadline: 17th October 2024
- Camera-ready: 10th November 2024
- Program ready: 10th December 2024

Submission Information:

We invite submissions that are one-page abstracts, short (4 pages)/full (8 pages) papers, case studies, surveys, and technical papers for The International Workshop on Data Element Technology System and Its Applications.

- <https://www.wi-iat.com/wi-iat2024/Workshops-Special-Sessions.html>

Workshop Awards:

- A Best Paper Award (\$300)
- Two Volunteer Awards (each \$200)
- A Student Traveling Award (\$500)

Workshop Chair:

Lei Zhang, Henan University, Kaifeng, China.

Guangmin Li, Hubei Normal University, Huangshi, China.

Jinjun Liu, Hubei Normal University, Huangshi, China.

Should you have any questions or concerns, please do not hesitate to email to: zhanglei@henu.edu.cn.

Thanks!