



6th International Conference on Industrial Artificial Intelligence

August 21-24, 2024

Shenyang, Liaoning, China

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CALL FOR PAPERS

The 6th International Conference on Industrial Artificial Intelligence (IAI 2024) will be held Wednesday through Saturday, August 21-24, 2024 at Liaoning Friendship Hotel in Shenyang, China. IAI 2024 aims to bring together researchers and practitioners from all over the world to facilitate discussions of recent developments in the artificial intelligence driven modeling, control, and optimization of industrial processes. The conference will feature a rich program, including plenary lectures, contributed and invited sessions, workshops, oral presentation sessions and poster sessions.

Topics within the scope of the conference (but not limited to):

- **Industrial process intelligent sensing and modeling:** First principles modeling, data-based modeling, digital twin and metaverse for industrial processes.
- **Computational intelligence:** Data mining and big data analytics, machine learning approaches such as neural networks, fuzzy logic, and evolutionary computation.
- **AI-driven cooperative autonomous control:** New intelligent theories and methods, such as multi-agent system analysis and cooperative control, data-driven control for autonomous systems, and multi-agent reinforcement learning.
- **AI-driven industrial process operational optimal decision-making:** Intelligent decision system architecture and methods, such as non-convex optimization, dynamic intelligent optimization and multi-objective optimization.
- **AI-driven abnormal situation monitoring and prediction:** Big data based remote visual monitoring, prognostics and health management, and virtual manufacturing.

Workshop:

The 6th International Forum on Frontiers of Automation and Artificial Intelligence (FAAI 2024), which is the workshop of the IAI 2024, will be held on August 21-22, 2024. The organizing committee will invite more than 60 well-known experts and researchers in the field of automation and artificial intelligence from all over the world to share frontier technology, breakthroughs, innovative solutions and recent results.

Paper Submission:

The authors can choose to submit either regular paper or long abstract. The submissions can be written in English or Chinese, and the accepted regular papers in English will be sent to IEEE for inclusion in IEEE Xplore and indexed by EI. For more information on how to submit, please visit the conference homepage.

Awards:

IAI 2024 presents Best Paper Award and Student Outstanding Paper Award.

Shenyang is a cultural metropolis that blends history and modernity. It is a national historical and cultural city and the birthplace of Qing Dynasty. After the establishment of the People's Republic of China, Shenyang became an important heavy industry base in China, mainly focused on equipment manufacturing. It has a long history and rich cultural heritage, and is renowned for its magnificent royal architecture, brilliant opera performances, and unique cuisine. Whether its delicious food or experiencing historical culture Shenyang can bring you unforgettable experiences.

Website: <http://iai.neu.edu.cn/>

IMPORTANT DATES

Initial Paper Submissions	Decision Notification	Final Submissions
May 31, 2024	July 15, 2024	August 1, 2024