2024 IEEE 13th Data Driven Control and Learning Systems Conference

DDCLS 24

May 17-19, 2024, Kaifeng, Henan Province, China

CALL FOR PAPERS

The 2024 IEEE 13th Data Driven Control and Learning Systems Conference (DDCLS'24), an annual conference jointly organized by the Technical Committee on Data Driven Control, Learning and Optimization of Chinese Association of Automation (CAA), and Qingdao University, China, sponsored by IEEE Beijing Section and locally organized by Henan University, will be held during May 17-19, 2024 in Kaifeng, Henan Province, China. The objectives of DDCLS'24 are to provide high quality research and professional interactions on the advancements of theory, technology, and practical applications in the fields of data-driven control, learning, automation and optimization. The conference consists of keynote addresses, distinguished lectures, panel discussions, workshops, oral and poster sessions.

The DDCLS conference has been successfully held for 12 years. The wonderful invited presentations, fruitful research results, in-depth academic exchanges and various conference forums have forged the soaring wings of DDCLS conference. Even during the pandemic in the past several years, the organizing committee and the local organizers still had dedicated all their efforts to hold this high-quality academic event in-site with hundreds of participants. **DDCLS has already been issued as the Top Academic Conferences by Chinese Association for Science and Technology (CAST) in 2022, and the DDCLS conference is also listed in the A-class conference catalog by CAA.**

Kaifeng City, where this conference will be held, is located in the hinterland of North China Plain and the east of Henan Province. It is one of the well-known historical and cultural cities in China. With a history of more than 4,100 years, Kaifeng has successively experienced the Xia Dynasty, the State of Wei in the Warring States Period, the later Liang, Later Jin, Later Han, Later Zhou, Song and Jin Dynasties, so it is called "the ancient capital of the eight dynasties", giving births to the influential "Song culture" and the China's ten famous paintings "Qingming River Map". Today, Kaifeng is not only an excellent tourist and cultural city, but also an emerging sub-central city in Henan Province, and an important wing of the integrated development of Zhengzhou and Kaifeng.

The English papers accepted by our previous DDCLS conferences had been included in the IEEE Xplore, and indexed by EI Compendex or ISTP database. The DDCLS'24 will cover both theory and applications in all the areas of data driven control and learning systems. The topics of interest include, but not limited to:

-- Data-driven control theory, approaches and applications
-- Model-free adaptive control theory and applications
-- Active disturbance rejection control and applications
-- Data-driven fault diagnosis, health maintenance and performance evaluation
-- Iterative learning identification, iterative learning control (repetitive control)
-- Data-driven modeling, optimization, scheduling, decision and simulation
-- Statistical learning, data mining and practical applications in automation field
-- Neural networks, fuzzy systems control methods in data driven manner
-- Reinforcement learning control, ADP based learning control and learning based control
-- Robustness of data-driven control
-- Relationships between data-driven and model-based control methods
-- Applications of data-driven methods in industrial processes
-- Data-driven modeling, control and optimization for complex systems
-- Data-driven control for practical complex processes
-- Technologies and applications of complex big-data systems
-- Big data in industrial processes, and applications in modeling and control

Submission Notices: Full papers (regular or invited) describing original work, extended abstract, invited session proposals should be submitted by **December 31, 2023** through the portal http://cms.amss.ac.cn/. Upon acceptance, authors will be required to register and present their papers at DDCLS'24. For further information and submission requirements for manuscript, please refer to the conference website https://ddcls24.henu.edu.cn/ or contact us via email secretary_ddcls@163.com.

Full Paper/Invited Session Proposals Submission	Notification of Acceptance	Final Manuscript Submission/ Author Registration
December 31, 2023	**February 28, 2024**	**March 31, 2024**

Organized by: Technical Committee on Data Driven Control, Learning and Optimization, Chinese Association of Automation, Qingdao University
Sponsored by: IEEE Beijing Section
Locally Organized by: Henan University

Welcome to Kaifeng !