CALL FOR PAPERS

The 2020 IEEE 9th Data Driven Control and Learning Systems Conference (DDCLS'20) will be held in Liuzhou, Guangxi Province, China, on June 19-21, 2020. Liuzhou (Liuchow) is a prefecture-level city in north-central Guangxi Zhuang Autonomous Region, in southern China. Although it is the largest industrial city in Guangxi, it has a reputation of clean land and beautiful scenery. Liuzhou has a history of more than 2,100 years and was founded in 111 B.C.. It has many tourist attractions, and the most famous sites include Sparrow Mountain Park, Dragon Pool Park, Dule Park, Yufeng Peak (Fish Peak), White Lotus Cave (actually a rotolithic human site), and the minority villages in Rongshui, Rong'an and Sanjiang.

Data Driven Control and Learning Systems Conference (DDCLS) is an annual conference organized by Technical Committee on Data Driven Control, Learning and Optimization, Chinese Association of Automation. In the last three DDCLS conferences, DDCLS'17 (Chongqing) and DDCLS'18 (Enshi), DDCLS'19 (Dali), a lot of renowned scholars from different countries were invited to deliver keynote addresses, for example, Prof. M. M. Polycarpou from University of Cyprus, Prof. Cesare Alippi from Politecnico di Milano, and Prof. Gang-Hong Yang from Northeastern University, Prof. Steven X. Ding from University of Duisburg-Essen, Prof. Håkan Hjalmarsson from KTH Royal Institute of Technology, Prof. Feng Qian from East China University of Science and Technology, Prof. Marco C. Campi from University of Brescia, Prof. Zhiqiang Gao from Cleveland State University, and Prof. Weihua Gui from Central South University,.

The objectives of DDCLS'20 are to provide high quality research and professional interactions on the advancement of theory, technology and practical applications in the fields of data-driven control, learning, automation and optimization. DDCLS'20 includes plenary speeches by world-leading experts, regular sessions, invited sessions, poster sessions, workshops and panel discussion. The scientists, engineers and practitioners in the data driven science and engineering related fields are cordially invited to participate in a wealth of the presentations, discussion and social activities, and to enjoy the unique cultural and scenic experience that Liuzhou offers for its beauty, history and hospitality.

The English papers accepted by our previous DDCLS conferences have been included in the IEEE Xplore, and indexed by EI Compendex and ISTP database.

The DDCLS'20 covers both theory and applications in all the areas of data driven control and learning systems. **The topics of interest include, but are 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, machine learning, data mining and practical applications in automation field*
- *-- Neural networks, fuzzy systems control methods in data driven manner*
- *-- Reinforcement learning control*
- *-- Robustness on data-driven control*
- *-- Complementary controller design approaches and relationships between data-driven and model-based control methods*
- *-- Applications of data-driven methods to industrial processes*
- *-- Data-driven modeling, control and optimization for traffic systems*
- *-- Data-driven control for practical complex processes*
- *-- Technology of complex big-data systems and applications*
- *-- Big data in industrial processes and its applications in modeling and control*

DDCLS Best Paper Award: Selection of the awarded paper will be made based on both the technical content and presentation. The winner will be chosen by the Award Committee comprising of internationally renowned experts in data-driven control and learning.

Submission Notices for Authors: Full papers describing original work and special/invited session proposals should be submitted by **December 31, 2019** through the portal http://cms.amss.ac.cn/. Upon acceptance, authors will be required to register and present their papers at DDCLS'20. For further information, please refer to http://www.gxust.edu.cn/gxkjdxhywzywz/ and email chkyin@bjtu.edu.cn.

Important dates

Full Paper & Invited Session Proposals submission	Notification of Acceptance / Rejection	Final Manuscript Submission / Advance Registration
December 31, 2019	March 15, 2020	April 15, 2020

Organized by
Technical Committee on Data Driven Control, Learning and Optimization, Chinese Association of Automation,
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Qingdao University
Sponsored by
IEEE Beijing Section, IEEE Industrial Electronics Society
IEEE Computational Intelligence Society Beijing Chapter
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