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CALL FOR PAPERS

The 2018 IEEE 7th Data Driven Control and Learning Systems Conference (DDCLS'18) will be held in Enshi, Hubei Province, China, on May 25-27, 2018. Enshi City in southwest Hubei Province is the capital of Enshi Tujia and Miao Autonomous Prefecture, which is the youngest of the People's Republic of China and the only autonomous prefecture of Hubei Province. There are 29 ethnic groups thriving here, including Tujia, Miao, Dong, Han, Hui, Mongolia, Yi, Naxi and Zhuang, etc. Stretching along the miraculous 30 degree north latitude, Enshi has a subtropical monsoon mountain humid climate with a cozy weather of distinct seasons. With an almost 70% forestry coverage, Enshi is crowned "Forests Sea of West Hubei", "Pharmacy of Central China", "Kingdom of Tobacco", "World Selenium City" and "The Wonderland". Enshi is also rich in tourism resources, there are two AAAAA (top-class) scenic spots, namely Enshi Grand Canyon and Badong Shenlongxi River, and twelve AAAA scenic spots including Enshi Tusi Chieftain city and the ancient architectural complex, and Pingbaying primary forests, etc.

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'15 (Beijing), DDCLS'16 (Yinchuan) and DDCLS'17 (Chongqing), a lot of renowned scholars from different countries were invited to deliver keynote addresses, for example, Prof. Marco C. Campi from University of Brescia, Prof. Zhiqiang Gao from Cleveland State University, Prof. Weihua Gui from Central South University, Prof. Frank L. Lewis from University of Texas at Arlington, Prof. Jian-Xin Xu from National University of Singapore, Prof. Tianyou Chai from Northeastern University and Prof. Feiyue Wang from Chinese Academy of Sciences.

The objectives of DDCLS'18 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. The main features of DDCLS'18 include plenary speeches by world-leading experts, regular sessions, special/invited sessions, and panel discussion. The world's scientists, engineers and practitioners are cordially invited to participate in a wealth of presentations, discussion and social activities, and to enjoy the unique cultural experience that Enshi offers for its beauty, history and hospitality.

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The DDCLS'18 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
- Active disturbance rejection control and applications
- Model-free adaptive control theory and applications
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- Iterative learning identification, iterative learning control, repetitive control
- Statistical learning, machine learning, data mining and practical applications in automation field
- Reinforcement learning control - Neural networks, fuzzy systems control methods in data driven manner - Complementary controller design approaches and relationships between data-driven and model-based control methods
- Applications of data-driven methods to industrial processes
- Robustness on data-driven control
- Data-driven control for practical complex processes
- Data-driven modeling, control and optimization for traffic systems
- Big data in industrial processes and its applications in modeling and control - Technology of complex big-data systems and applications

There will be plenary lectures and distinguished lectures covering the state-of-the-art in both theory and applications of data-driven control and learning systems. Invited Plenary Lectures will be delivered by

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- ■Prof. Håkan Hjalmarsson, KTH Royal Institute of Technology, Sweden
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Submission Notices for Authors: Full papers describing original work and invited session proposals should be submitted by February 28, 2018 through the portal http://cms.amss.ac.cn/. Upon acceptance, the authors will be required to register and present the papers at DDCLS'18. For more information, please refer to http://ddclo.bjtu.edu.cn/2018ddcls or email to chkyin@bjtu.edu.cn.

Important dates

Full Paper & Invited Session Proposals Submission

nber 20, 2017 January 31, 2018 February 28, 2018

Notification of Acceptance / Rejection March 25, 2018

Final Manuscript Submission / Advance Registration April 25, 2018



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