IEEE, Cleveland Section

IEEE Control Systems Society, and HKN Epsilon Alpha Chapter at Cleveland State University Jointly Present:

From Model Based Control to Data-Driven Control

Dr. Zhongsheng Hou

Date and time

Monday, Aug. 22, 2016
2:30-4:30pm

Location

Compton Lounge (Fenn Hall 103)
College of Engineering
Cleveland State University
2121 Euclid Ave.
Cleveland, OH 44115

Agenda

2:30-3:00: Social hour
3:00-4:00: seminar
4:00-4:30pm: Q&A

CPD

One credit available
Bring your flyer for credit.

Dr. Zhongsheng Hou is a professor and chair of the Dept. of Automatic Control at Beijing Jiaotong Univ. in Bejing, China. He was a visiting scholar at Yale Univ. between 2002 and 2003. Dr. Hou's research interests are data-driven control, model free adaptive control, and intelligent transportation systems.

Many industrial processes generate and store a huge amount of process data. How to use such process data, both on-line and off-line, to directly determine the controller structure and tune the controller parameters would have great significance when the process models are unavailable. Therefore, the establishment of the data-driven control theory is critical for both of the completeness and field applications in modern control theory. This presentation will include the definitions, classifications, tasks and some important issues of data-driven control. Then two typical data-driven control methods, the model free adaptive control and the iterative learning control, will be introduced to illustrate the design strategy of data-driven control.

Refreshment and soft drink will be provided!

RSVP: Dr. Lili Dong • L.Dong34@csuohio • 216-687-5312

This is to certify that _____ attended this seminar. Certified by _____. Certificates of attendance and other evidence of CPD activity should be retained by the attendee for auditing purposes."