

Oberseminar Master ET/IT and Master A&R

From Reinforcement Learning to Optimal Control

In the world of artificial intelligence, reinforcement learning outstands on field of control, especially for systems subject to unknown dynamics or unknown disturbance. The seminar will centered on reinforcement learning and will be divided into two parts. In the first part, we will go through the essential basics of reinforcement learning using the textbook “Reinforcement Learning: An Introduction”, and in the second part we will discuss the relationship between reinforcement learning and optimal control.

Each student will choose one chapter or one paper we prepared, and he/she will give a talk during the seminar. The seminar aims at encouraging students to present and discuss the basics of reinforcement learning and to get a thorough overview. Thus, each talk will be concluded with a discussion in which each student should actively participate.

Dates:

These dates are preliminary, please contact Guanru Pan for exact appointment of kick-off and zoom link.

Kick-off: Friday, April 08, 13:30 – 15:00

Registration Deadline: Thursday, April 21, 23:59

Regular meetings: Fridays, 13:30 – 15:00 (April 22 – July 08)

Registration:

There will be a kick-off meeting on April 08. Students may register for the seminar until April 21 via Email to Guanru Pan. The number of participants is limited to 12 and the seminar will be held in English.

Contact:

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