



Special
Center for Soft Matter and Biological Physics
Seminar

Prof. Wei Li

(Central China Normal University, Wuhan)

“Reinforcement learning in complementarity game and population dynamics”

Thursday, May 9, 2019

1:00pm – 2:00pm

304 Robeson Hall

I will systematically test and compare different reinforcement learning schemes in a complementarity game played between members of two populations. In our setting an optimized learning scheme, which beats all the rest, can be identified. I also compare these reinforcement learning strategies with evolutionary schemes. This gives insight into aspects like the issue of quick adaptation as opposed to systematic exploration or the role of learning rates.

