

## 2D Flow at Re=1,000

DEPARTMENT OF MECHANICAL ENGINEERING 機械工程學系

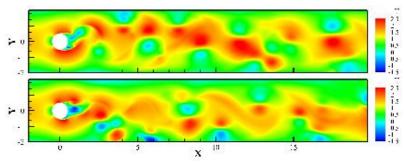
60 80

100 120

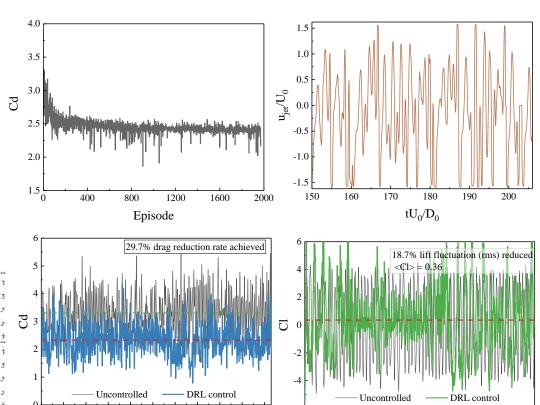
 $tU_0/D_0$ 

## **Training 1:**

- > Start from scratch
- Best control is found at Ep=1659
- Cd is reduced by 29.7%
- ➤ CI fluctuation is reduced by 18.7%
- Mean lift bias is large, i.e., 0.36



Instantaneous streamwise velocity field for uncontrolled (up) and DRL-controlled (down) case



100 120

 $tU_0/D_0$ 

140 160 180 200

140 160 180 200