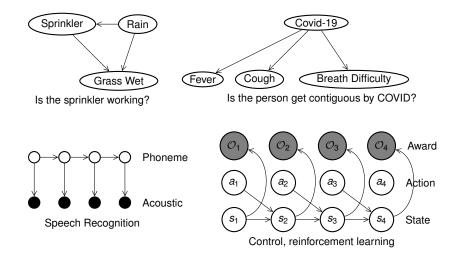
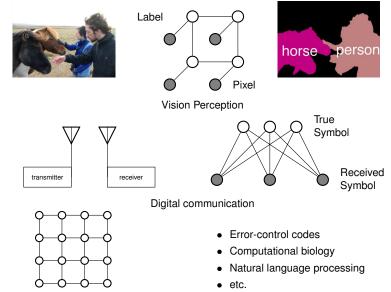


## DIRECTED GRAPH REPRESENTATION



## UNDIRECTED GRAPH REPRESENTATIONS



Physics (Ising or Potts model)