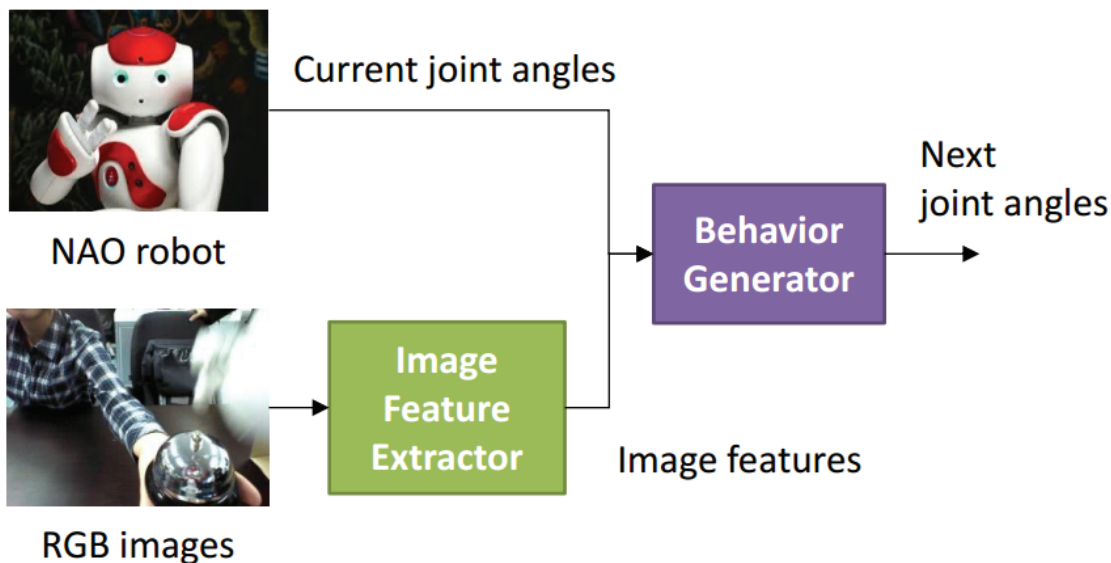
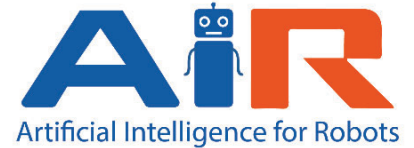
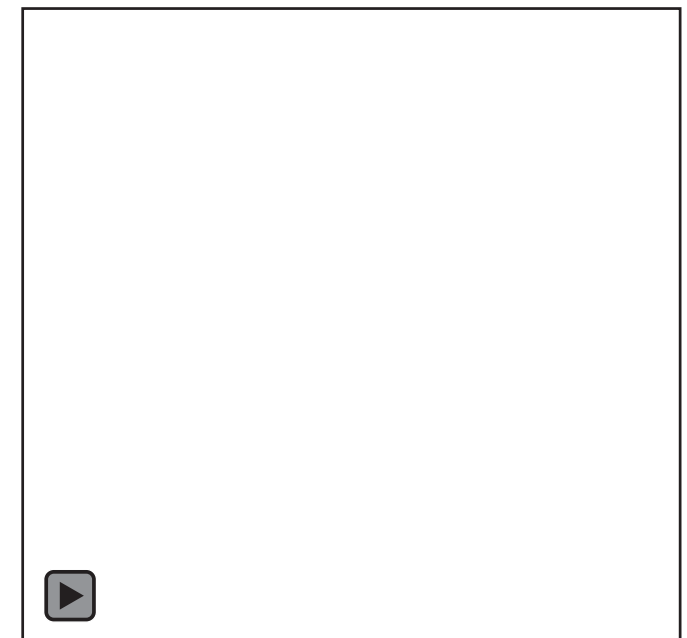


# Deep Learning-based Behavior Generation for Social Robots

- Project AIR (Artificial Intelligence for Robots), ETRI, Korea
- Objective: adapt and react quickly to user behaviors
- Used DNNs
  - Image feature extractor: YOLO detector, auto-encoders (for comparison)
  - Behavior generator: LSTMs



< Overall flow of reactive behavior generation >



< Bell-ringing Task >