

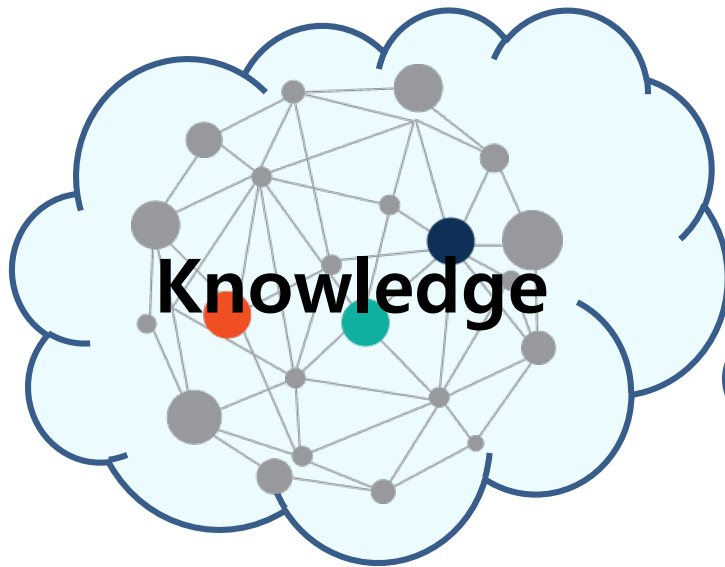
**HRI 2018 Workshop on  
Social Human-Robot Interaction of Human-care Service Robots**

**[Teaser]  
Automated Generation of Robot Task Plans  
Based on Action Ontology**

Presenter : Seokjun Lee  
Kyonggi University

# Motivation

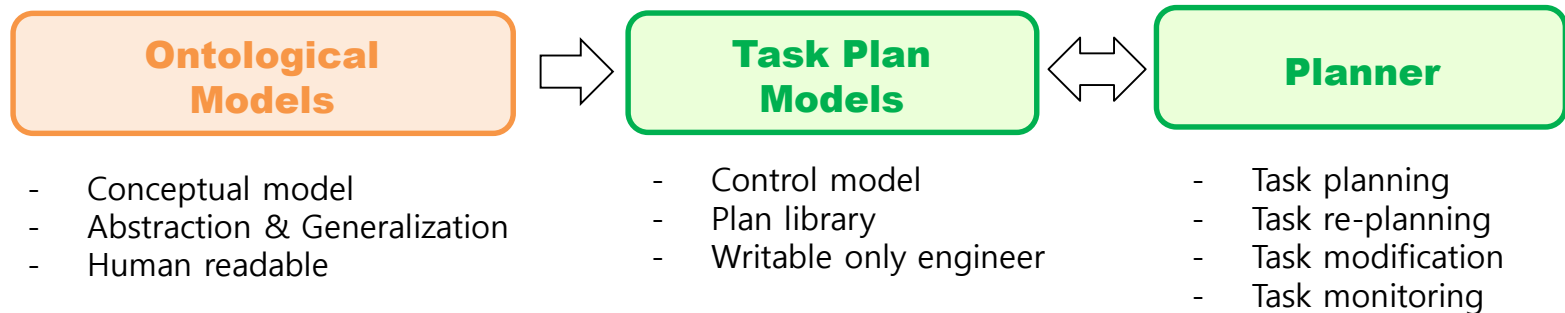
- Automated robot planning based on knowledge



# Approach

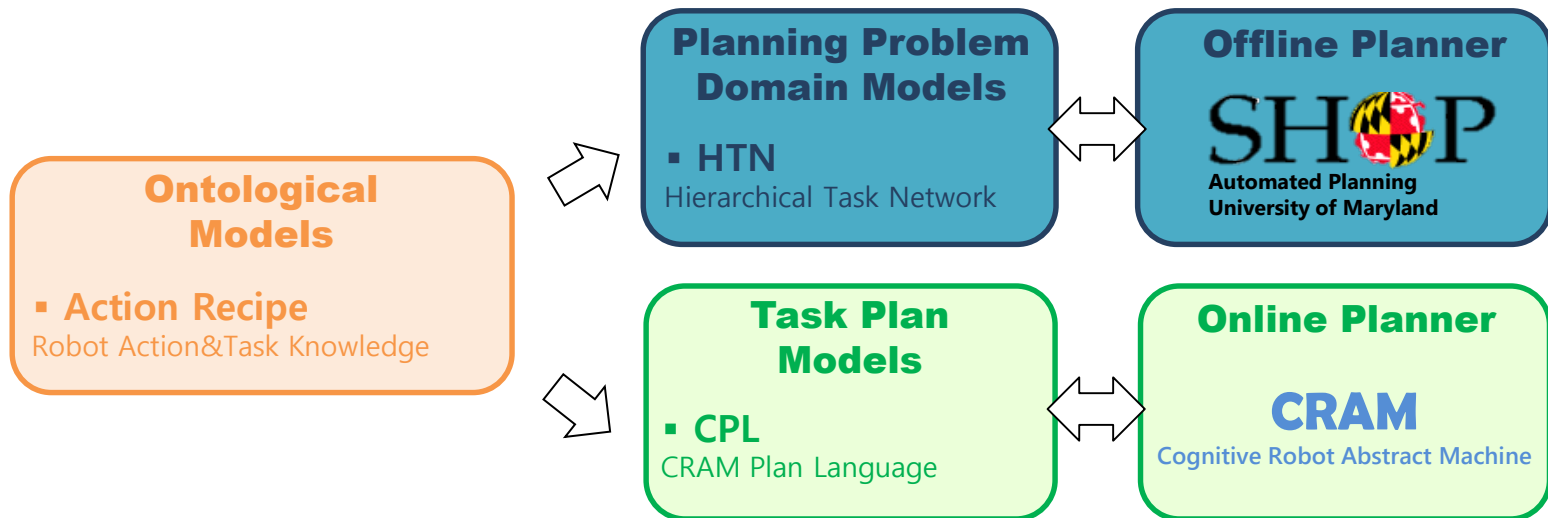
- **Algorithm in three stages**

- 1) Building action ontology
- 2) Model conversion (Conceptual Model -> Control Model)
- 3) Executable task planning

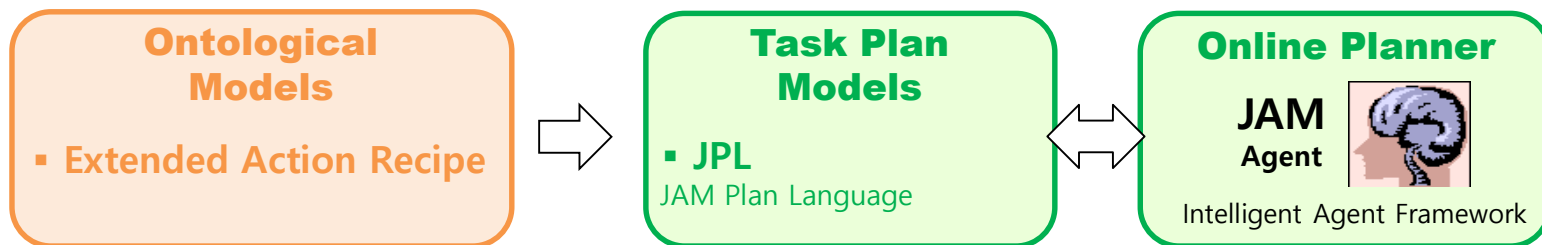


# Approach

- **Previous Works**



- **Proposed Approach**



**THANK YOU**