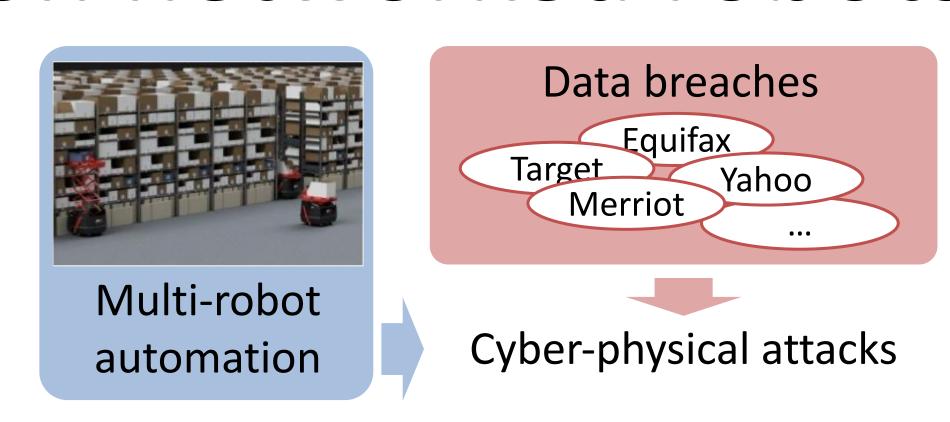


Multiagent Physical Cognition and Control Synthesis Against Cyber Attacks
Roberto Tron (Boston University), Wenchao Li (Boston University)
Cristina Nita-Rotaru (Northeastern University). Award ID#: 1932162, 1931997

## Challenge

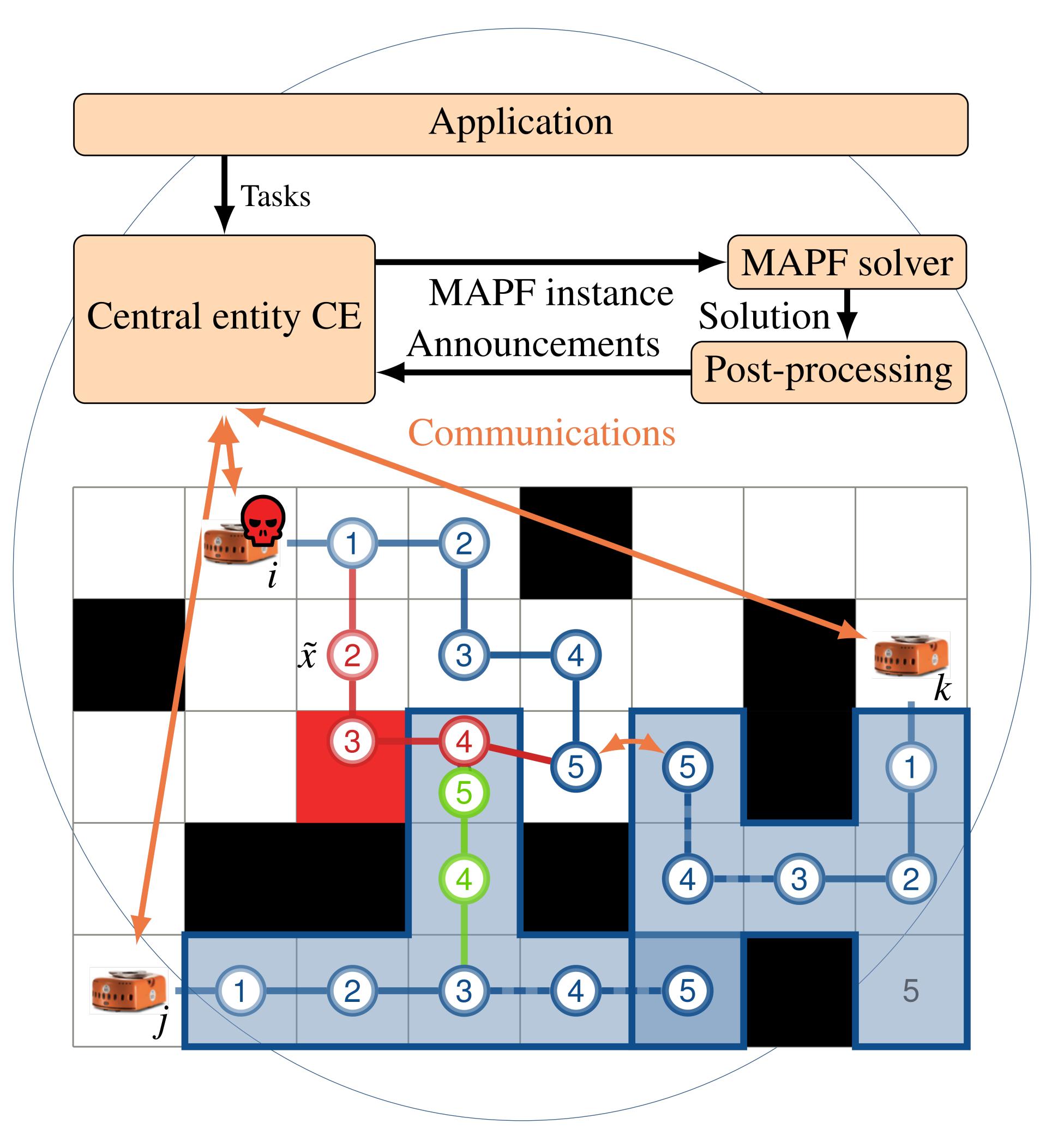
Cyber-physical attacks on networked robots



## Solution

Planning: enforce attack detection via co-observation schedule

Horizon limiting announcements: limit information to attacker



## Scientific Impact

New security layer that is tailored to the characteristics of CPS systems

## Broader Impact

Make automated warehouses safer for humans, avoid loss of productivity

Formal proof of results for some classes of attacks