HAMM-LIPPSTADT
UNIVERSITY OF APPLIED SCIENCES

Summer School
Embedded Systems
Engineering

Group 3
Tao Zhao
Ali Beiti Aydenlou
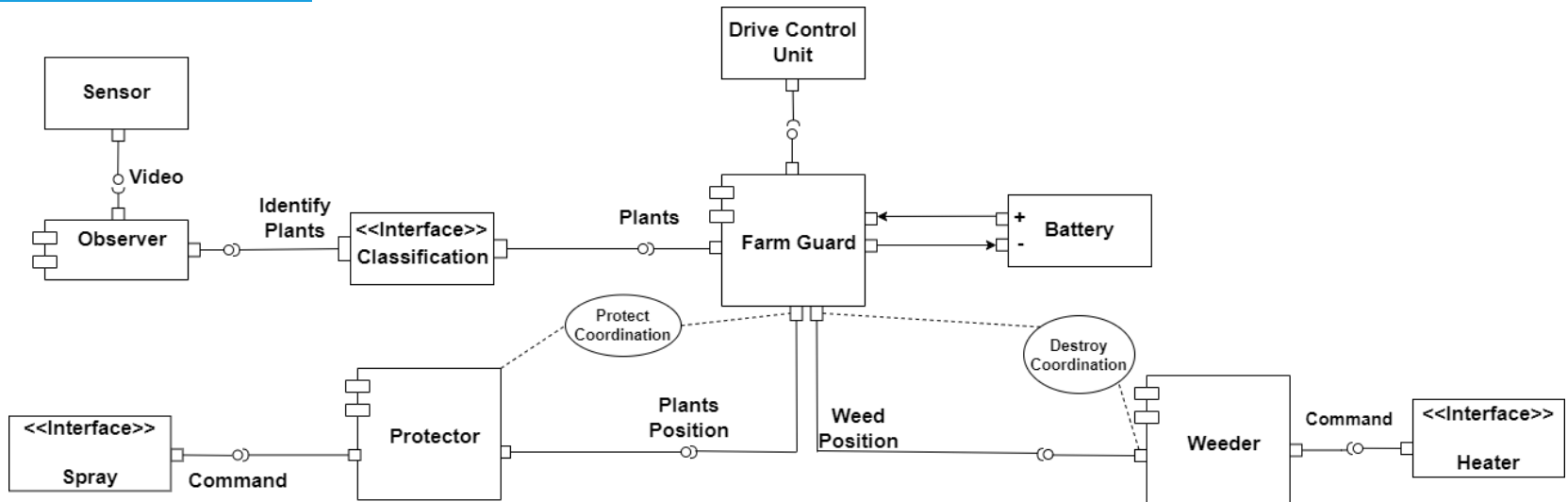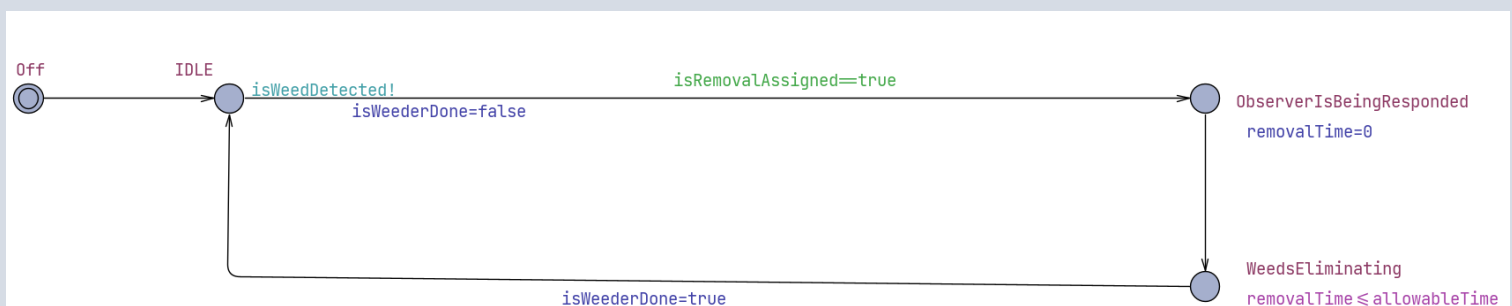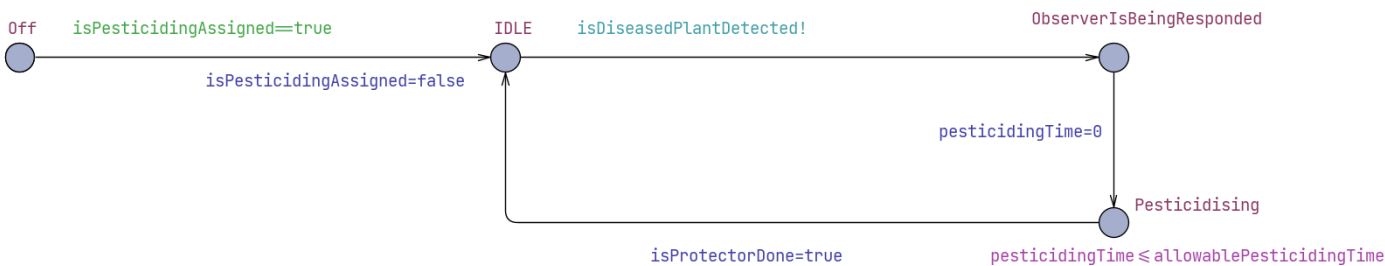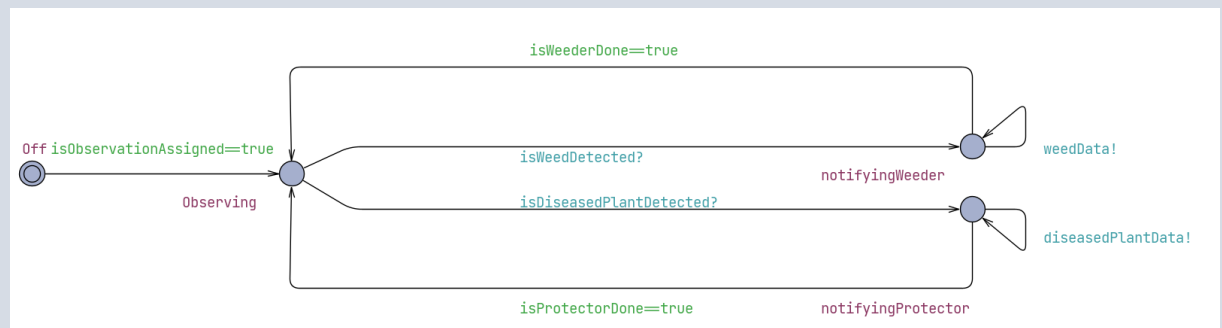*Farhad Gulizada*
Negin Amiri
Danial Rafiee

Farm Guard
Mechatronic UML

Components

RTSC

- UPPAAL Software
- RTSC of Observer
- RTSC Of Weeder
- RTSC Of Protector

E<> (WeederAgent.WeedsEliminating) and (removalTime<=allowableTime)
Verification/kernel/elapsed time used: 0s / 0s / 0.009s.
Resident/virtual memory usage peaks: 17,536KB / 62,896KB.
Property is satisfied.
E<> (CropProtectionAgent.Pesticidising) and (pesticidingTime<=allowablePesticidingTime)
Verification/kernel/elapsed time used: 0s / 0s / 0.001s.
Resident/virtual memory usage peaks: 17,500KB / 62,968KB.
Property is satisfied.

Status
A[] not deadlock
Verification/kernel/elapsed time used: 0s / 0s / 0.011s.
Resident/virtual memory usage peaks: 17,320KB / 62,560KB.
Property is satisfied.
E<> (PlantObserverAgent.notifyingWeeder) and (isWeederDone == true)
Verification/kernel/elapsed time used: 0s / 0s / 0.01s.
Resident/virtual memory usage peaks: 17,412KB / 62,936KB.
Property is satisfied.
E<> (WeederAgent.ObserverIsBeingResponded) and (isRemovalAssigned==true)
Verification/kernel/elapsed time used: 0s / 0s / 0.011s.
Resident/virtual memory usage peaks: 17,420KB / 62,884KB.
Property is satisfied.