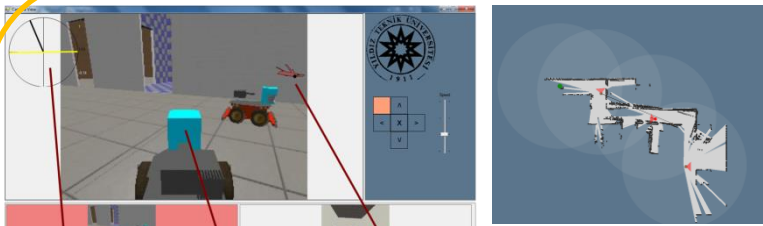


### Control Interface

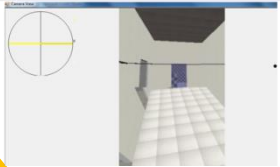


3D orientation of the robot

Self position identification

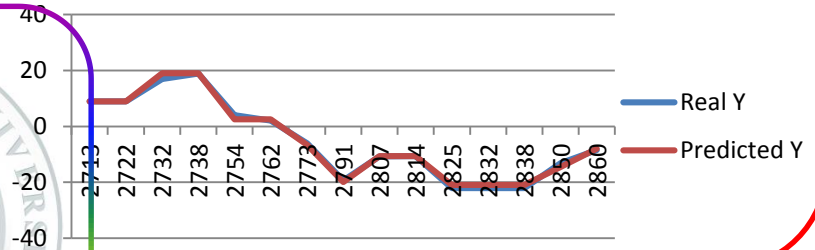
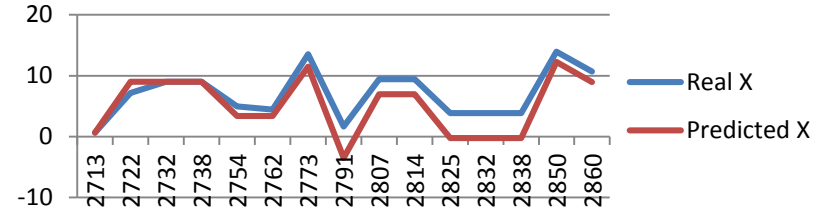
Combined laser and camera data

Combined image of two cameras on AirRobot



Improved Control Interface

### Air Robot Localization



YILDIZ  
Virtual Rescue Team

Yücel Uzun

Khudaydad Mahmoodi

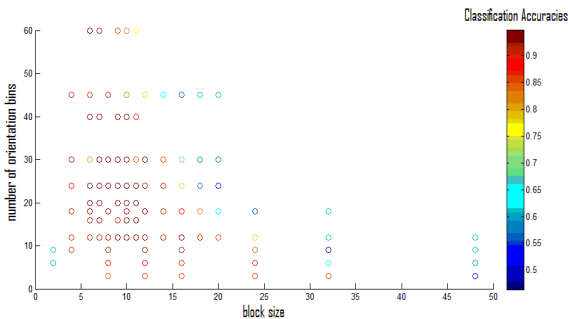
Muhammet Balcılar

M. Fatih Amasyalı

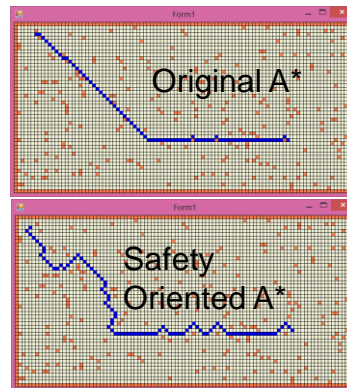
Sırma Yavuz

### Autonomous Victim Detection

Usage of Histograms of Oriented Gradients

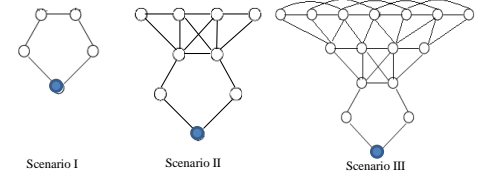


### Autonomous Navigation



### Effective Message Passing

Blind flooding (BF) and Table-based routing (TB) propagation models of WSS



Scenario	Method	Total Package Speed (pck/sec)	Package Speed for each robot (pck/sec)
I	BF	132.45	33.11
I	TB	398.32*	99.58
II	BF	43.52	5.44
II	TB	312.76*	39.09
III	BF	15.16	1.01
III	TB	229.11*	15.27