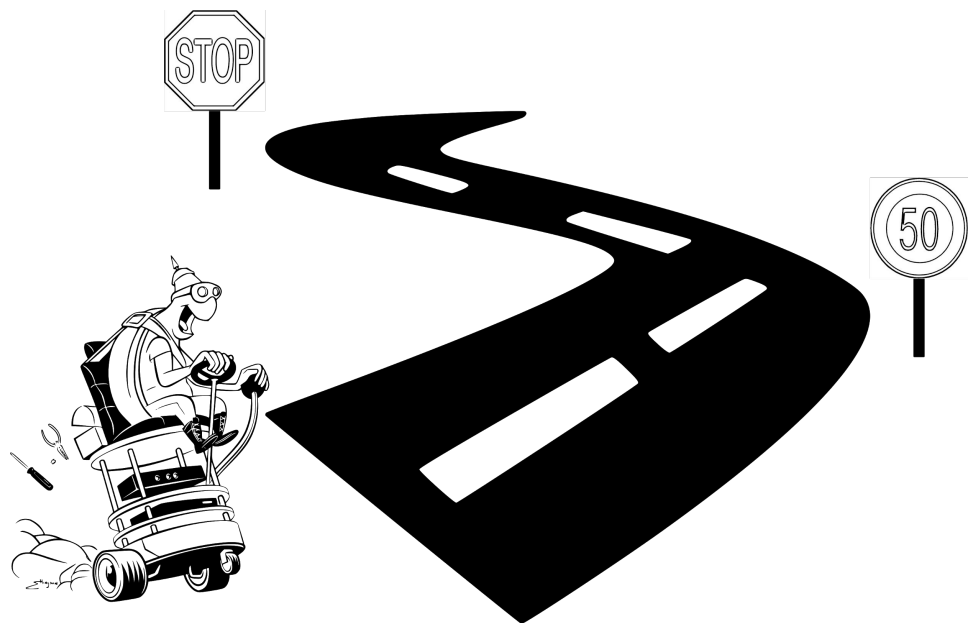


## Turtlebot: Traffic sign navigation

### Mission

- Drive around the arena
- Look for traffic signs
- Recognize traffic signs: *speed limiter, stop sign*
- Act accordingly: *accelerate, decelerate, halt*



### Design

Perception	Decision	Actuation
<ul style="list-style-type: none"> <li>• Raspicam</li> </ul>	<ul style="list-style-type: none"> <li>• Raspberry pi: SVM classifier</li> </ul>	<ul style="list-style-type: none"> <li>• Motor: Control wheels</li> </ul>

### Timeline

	20/2	27/2	6/3	13/3	20/3	27/3	3/4	27/4
Getting to know turtlebot								
Implementation: <ul style="list-style-type: none"> <li>• Traffic sign recognition node</li> <li>• Velocity command convertor node</li> <li>• Robot control</li> </ul>								
System level integration								
System testing & validation								