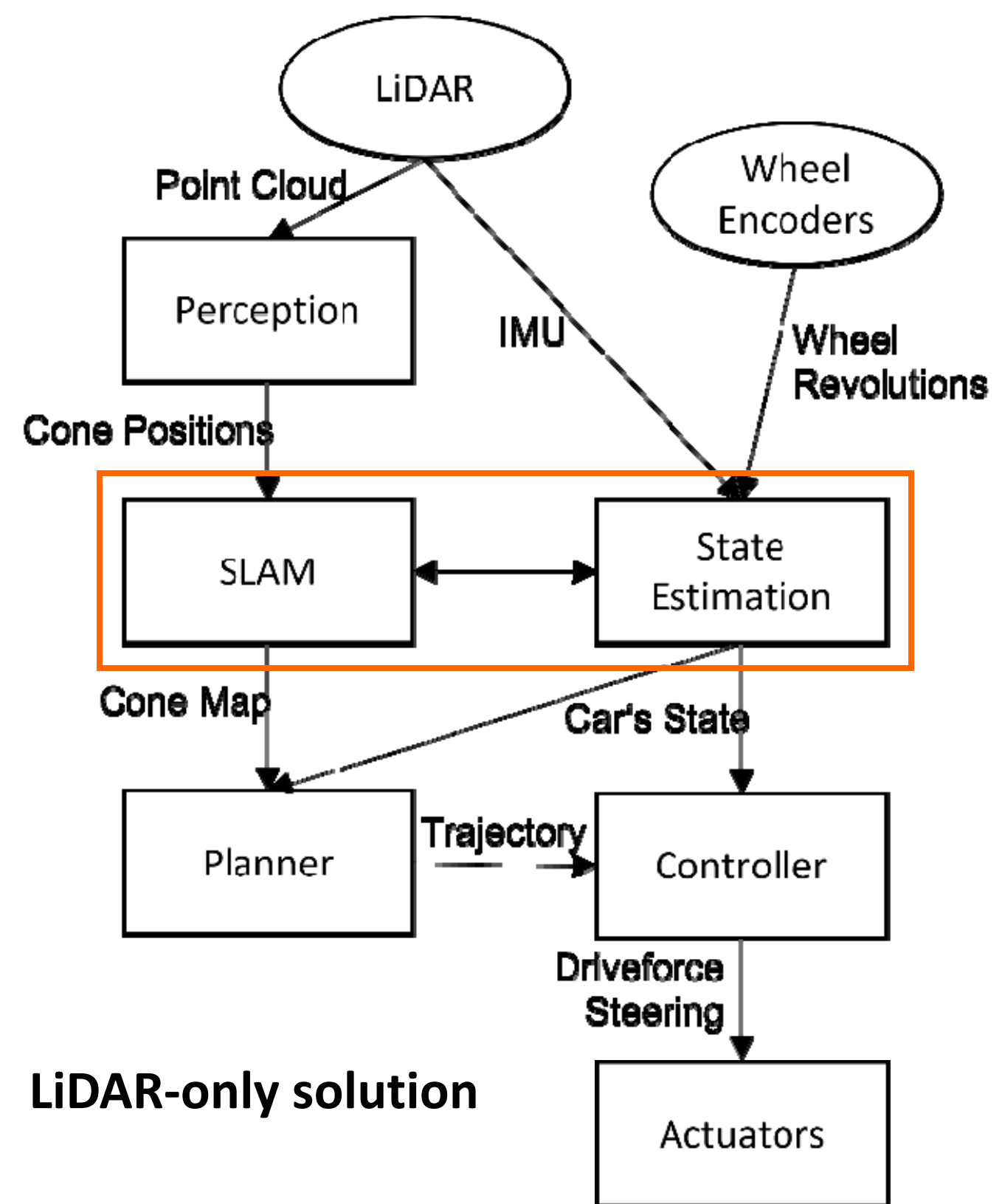


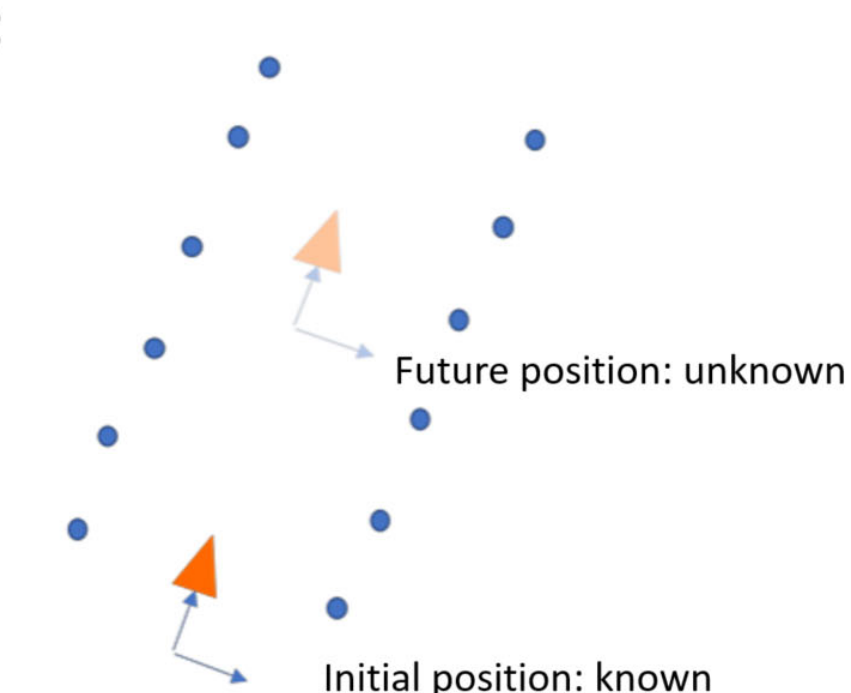
# Formula Student at TUfast: SLAM Developer



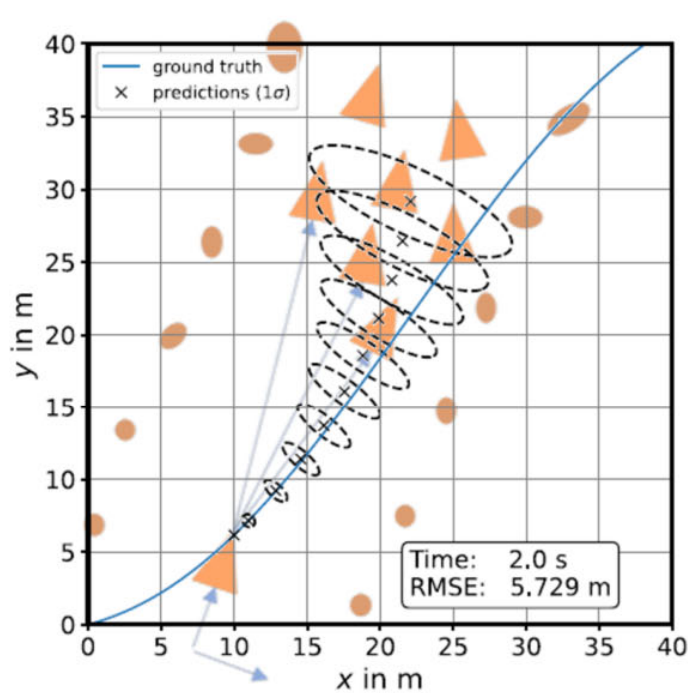
LiDAR-only solution

## What does SLAM do?

Given:

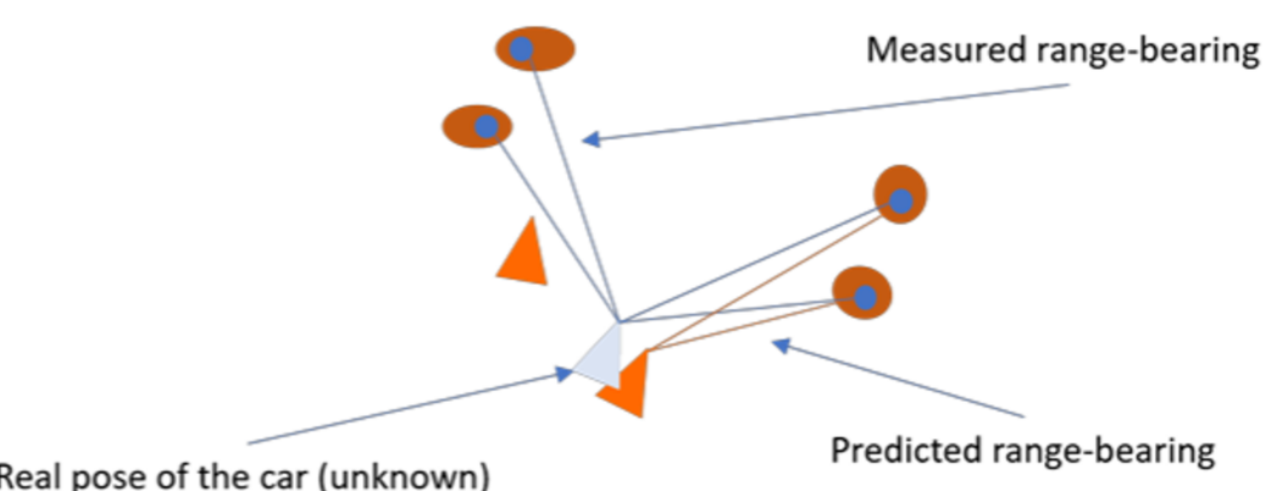


What I Saw: LiDAR perception

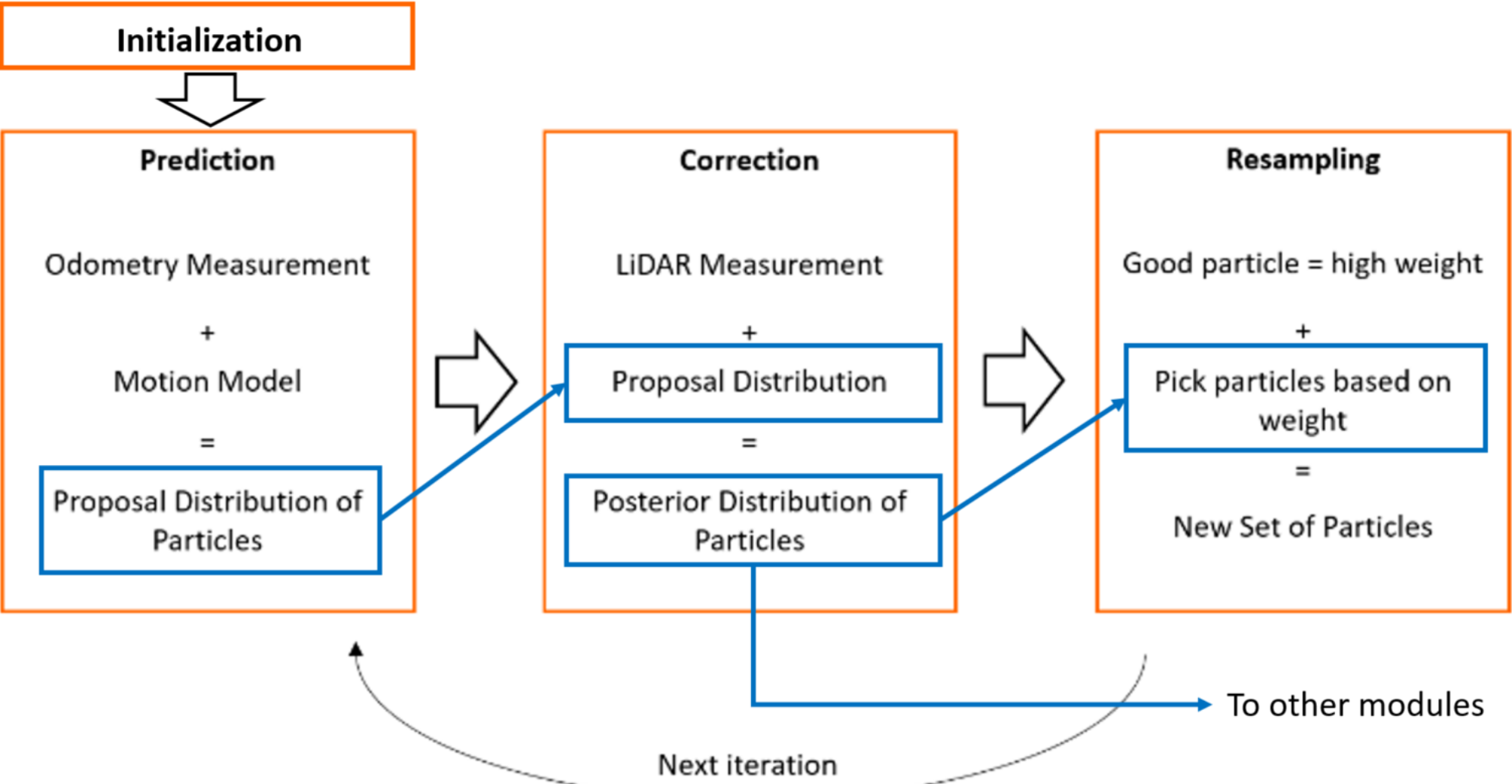


How I Moved: IMU Odometry

To find out:



Where am I?



## Particle Filter SLAM

fastSLAM algorithm

	motion prediction	sensor update	map update
particle 1			
particle 2			
particle 3			