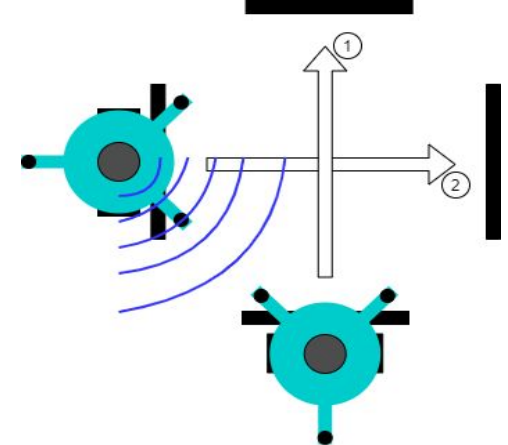


LISAT: Audio based Localisation

- Swarm robots:
 - small, low-power, cheap.
- Localisation required to work together.
- Audio based:
 - No existing infrastructure required.
 - Human robot awareness.
 - Works in the dark.
 - No line of sight required.

LISAT: Demo

- Build on platform form TI
- Two robots meet at an intersection
 - Robots find intersection by seeing the black line.
 - Robots find each other with audio localization
 - Robot on the left must give way.



LISAT: Demo

- Build on platform form TI
- Two robots try to find each other.
 - Robots continuously transmit audio beacons.
 - Both hear the others location,
 - and drive towards each other.

