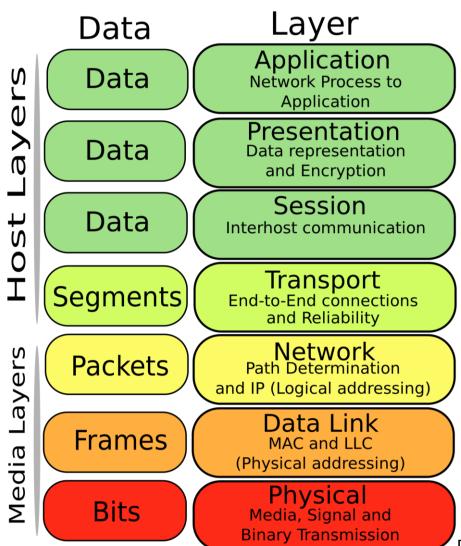
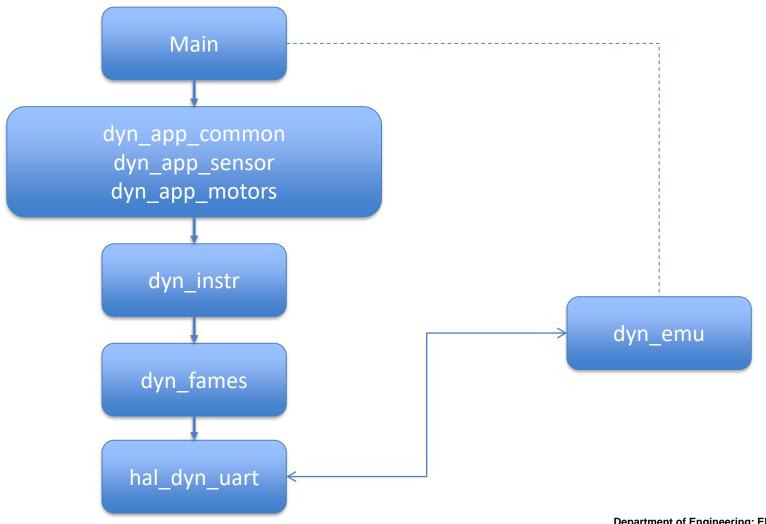


OSI Models





Estructura P4 – No presencial





Motors – Endless turn

If both values for the CW Angle Limit and the CCW Angle Limit are set to 0, an Endless Turn mode can be implemented by setting the Goal Speed. This feature can be used for implementing a **continuously rotating wheel**.

		,	200(01)
6(0X06	CW Angle Limit(L)	RD,WR	0(0x00)
7(0X07	CW Angle Limit(H)	RD,WR	0(0x00)
8(0X08	CCW Angle Limit(L)	RD,WR	255(0xFF)
9(0X09	CCW Angle Limit(H)	RD,WR	3(0x03)
10(0x0A	(Reserved)	_	$0/0\sqrt{00}$

Goal Speed Setting

BIT	15~11	10	9	8	7	6	5	4	3	2	1	0
Value	0	Turn Direction	Speed Value									

Turn Direction = 0 : CCW Direction Turn, Load Direction = 1: CW Direction Turn

32(0X20)	Moving Speed(L)	RD,WR	0
33(0X21)	Moving Speed(H)	RD,WR	0
34(UY22)	Torquo Limit/L\		[Adde4.41 volue

Mov_speed_L = speed & 0xFFMov_speed_H = ((direction << 2) & 0x04) | ((speed >> 8) & 0x03)



Motors

Funcions per moure el robot. Per exemple endavant, endarrera, endavant dreta, endavant esquerra, gir dreta, gir esquerra

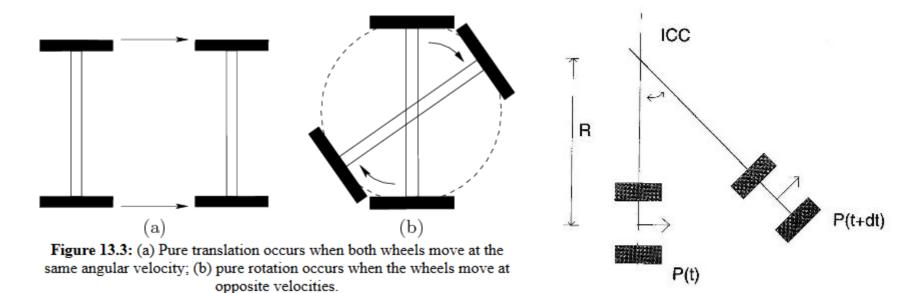


Figure 2: Forward kinematics for differential robot



Sensors – Registres

- Infrared Sensor Data (Left/Center/Right)
- Luminosity (Left/Center/Right)
- Sound Detected Count
- Buzzer