

Class 1 - Forms

Name:

Course on Polimi:

Programming Experience:

- ☐ Nothing. ☐ Just MatLab. ☐ A little more than MatLab.
- ☐ Can MatLab be considered programming? I forgot MatLab when I think about my programming in C, Java, Python, JS, C#, etc...
- ☐ I program every day or almost for the last years (other than MatLab).

Robotics Experience:

- ☐ Nothing. ☐ I had small participation in the development of a robot.
- ☐ I had great participation in the development of a robot.
- ☐ I've worked in the development of more than a robot, but just in one part of robot development (Mechanics, Electronics, Control, Programming).
- ☐ I've worked in the development of more than a robot in more than one part of robot development (Mechanics, Electronics, Control, Programming).

1 - Consider the robots and machines:

- Hadrian X from FastBrick Robotics (uses laser sensors for positioning)
- An elevator
- Roomba from iRobot (uses IR sensors for detect walls and stairs)
- A microwave oven
- Aibo from Sony (uses capacitive touch, microphones, cameras, and others)

Identify the cycle Sense-Compute-Act on them (it's ok to use the internet for more information).

2 - What tasks on your study area can be done or helped by a robot?
Please describe how the robot can make it.

3 - What is the easier way you can think to break a drone you control?
And to break a drone that other person controls?

How interesting was this class?

- ☐ For all the gods' sake, the news and the olds, it's over and I don't want to come back for the next.
- ☐ I think I'm sleeping.
- ☐ I want to sleep.
- ☐ I'm happy to take this class, but I'm not sure if I have a good reason to be here.
- ☐ I liked the class, I think about ways to use robots and I'll search now how to make one.

Can you talk more about it?

Any additional feedback?