Spotter

get around by spotting

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Physical Computing

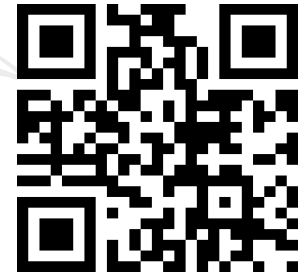José Bateira - ei10133@fe.up.pt

Physical Computing

Used to describe projects that use sensors, microcontrollers, motors, lighting or other hardware. Usually cheap and easy to interact with.

- Design projects
- Do-it-yourself / homemade projects
- Arduino/Raspberry pi projects

Problem?

- Prove of concept projects

- One single prototype

- Have few end-users

- Not cheaply scalable

Spotter

Solution

Cheaply scalable!

Spots can have special information about latest events (conferences e.g.)

Can be used in any other college campus, theme parks, shopping centers, enterprise/corporate buildings, museums, ...

Project Planning

Prove of concept:

- Create FEUP's campus' map and its spots
- Scan spots with QRCodes
- Show shortest path between spots on the map

Future work (Scalability):

- Allow an admin user to create a map and its spots
- Allow a normal user to keep track of several maps

Thank you for your attention