Ingénierie simultanée 2018

Christophe Salzmann

Laboratoire d'automatique

next Babyfoot

The babyfoot is very sensitive to calibration. Especially players position.

- Calibrate rod & player position

- LED + Vision

- Update linear position control

Nbr etudiants: 2-6
Responsables: -
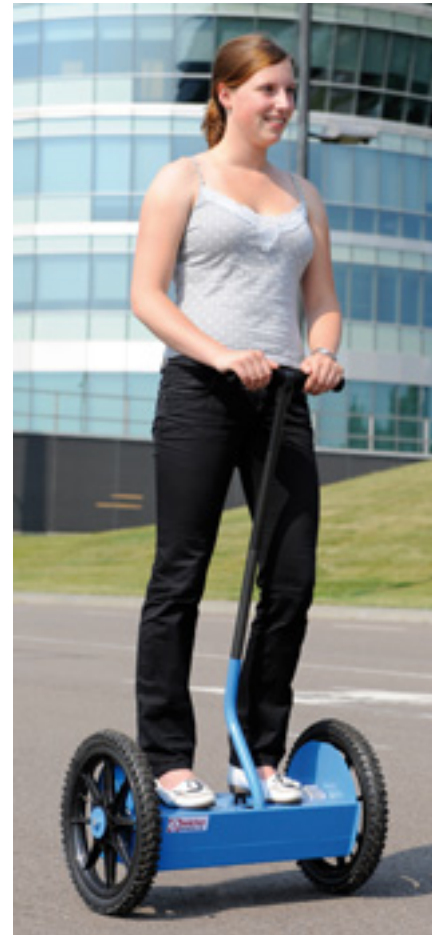   Christophe Salzmann

Segway control

- Improve the current Segway controller

- Add a display to see what is going on

Nbr étudiants: 2
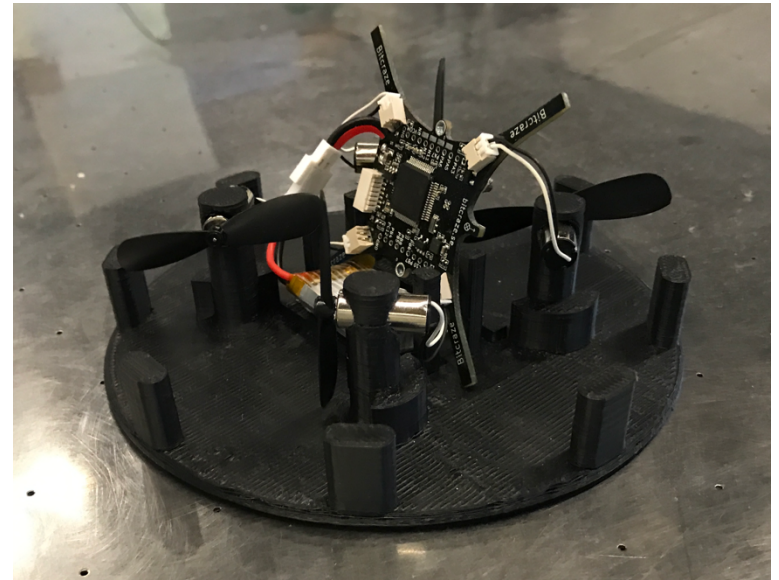**Responsables: -**
          Christophe Salzmann

next Baby hovercraft

Current version requires an air hockey table to float.

- Design a new version that float by itself

- Holonomic

Nbr etudiants: 2-4
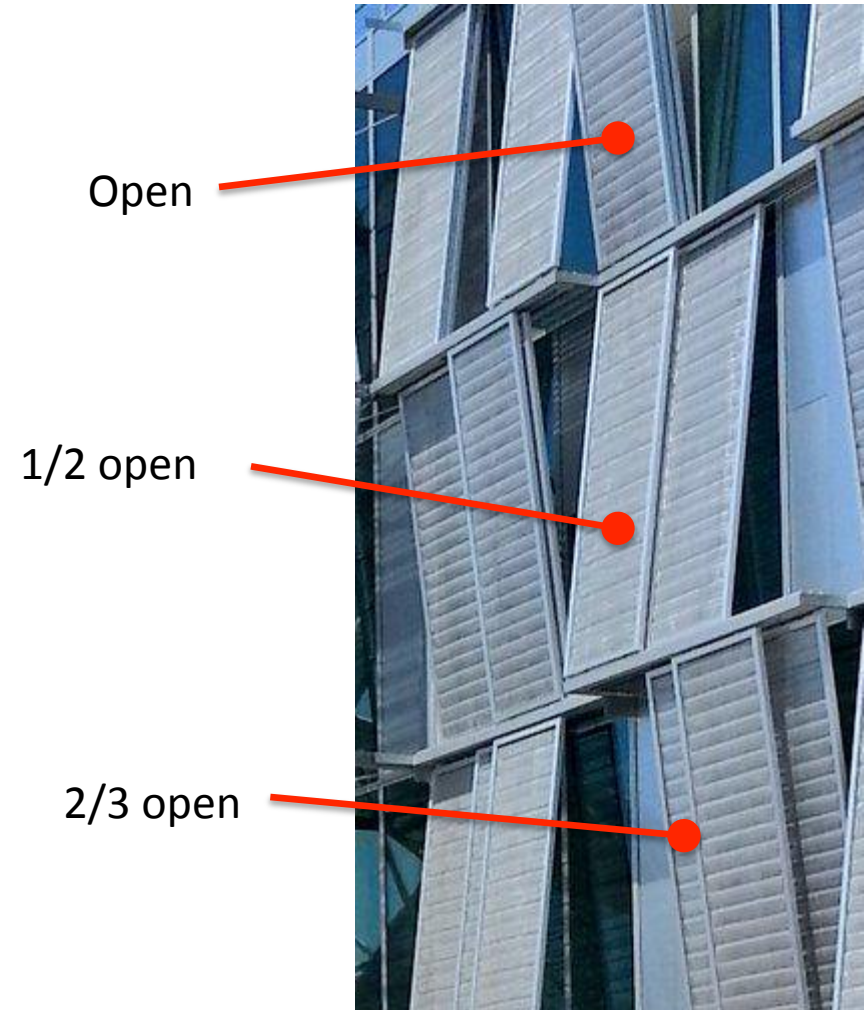**Responsables: -**
Colin Jones & Christophe Salzmann

New IGM building blinds measurements

- The new IGM building has moving blinds …

- … but no sensors to measure the blinds position!!

- Design a mechanism (image analysis) to measure the position of each blind
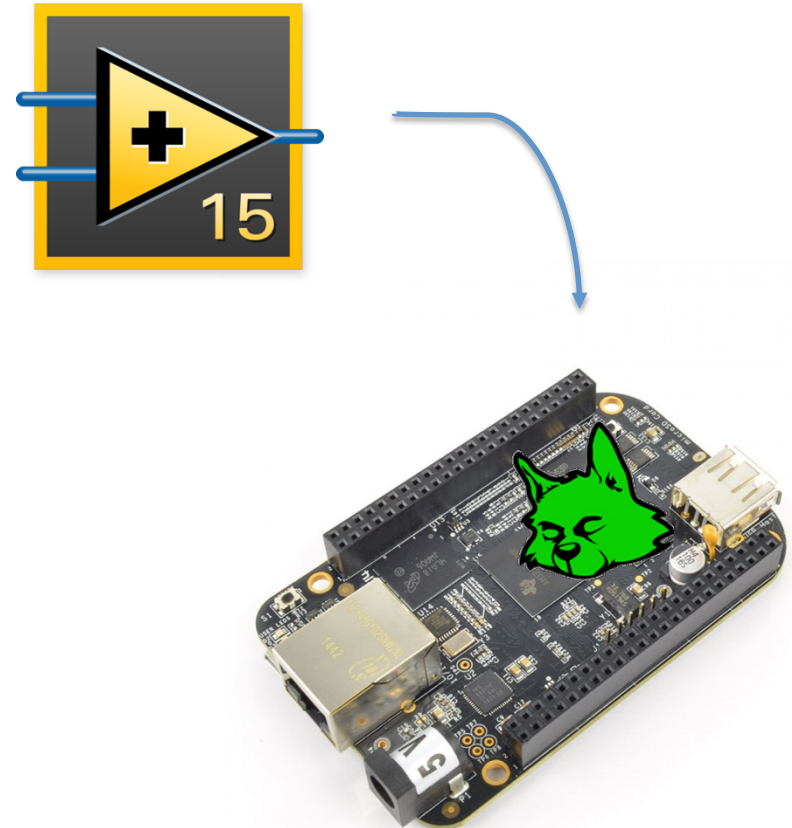
Nbr etudiants: 2-4
Responsables: -

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Open

1/2 open

2/3 open

LabVIEW embedded

- LabVIEW can be deployed on Raspberry Pi or Beagle Board Black

- Adapt and deploy a existing controller to Raspberry Pi or Beagle Board Black

- Assess the performances regarding real-time process, i.e. control.

Nbr étudiants: 2
Responsables: -
         Christophe Salzmann