

Fablab Ugent!?

- What's a fablab?
- Why do we need a fablab?
- What can you do in our fablab?
- What is in it for you?



What's a fablab?

- Grew out of MIT class 'How to make 'almost' anything.
- A workshop to support digital and personal fabrication
- democratizing access to the tools for personal expression and invention
- and learning new skills.
- A place to build your own prototypes

Why do we need a fablab?

- We want to learn students to build real life things.
- We want to provide access to digital fabrication tools for everyone.
- As part of P3 lab, prototyping is important.
- Be able to make lots of iterations an a design very fast.

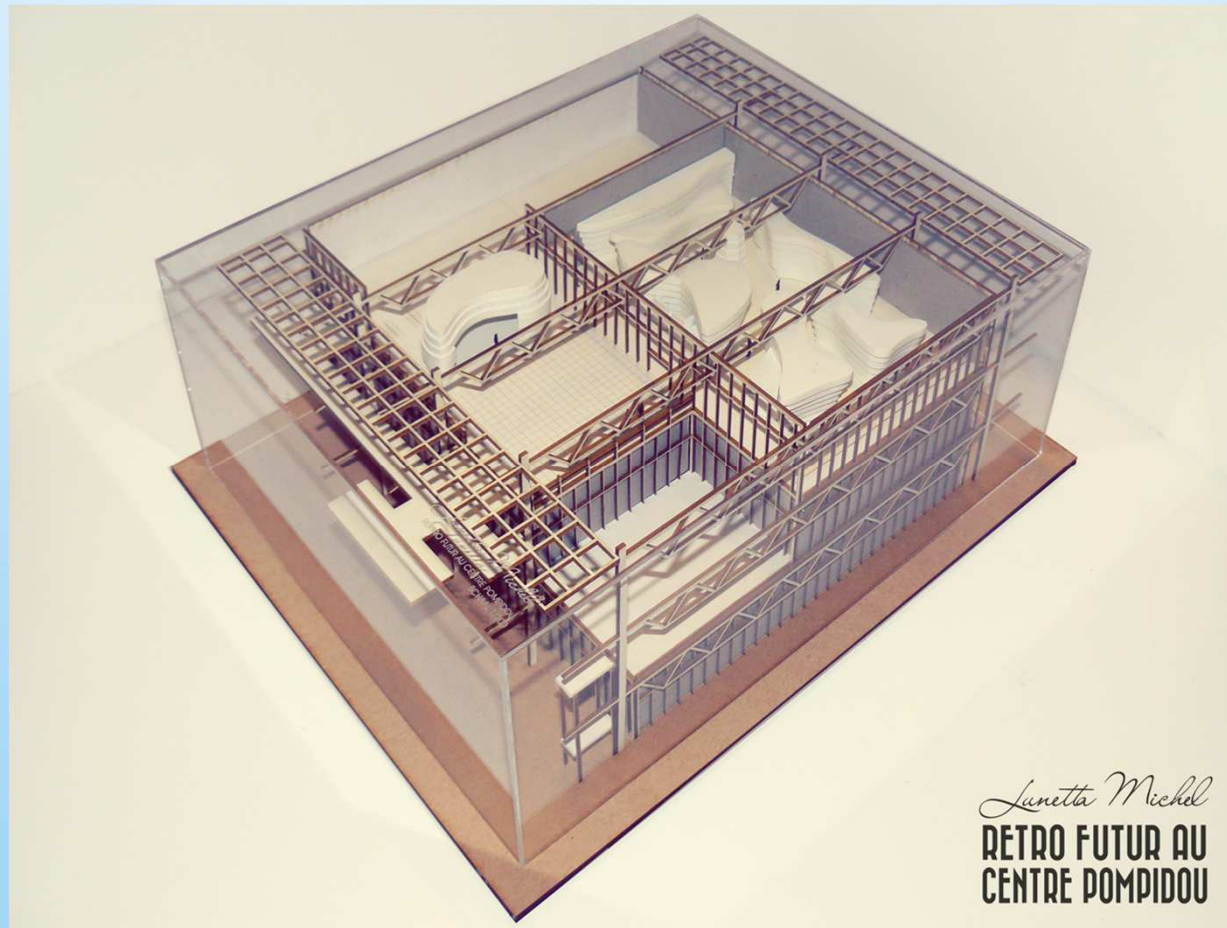
What can you do in our fablab?

- Lasercutting
- 3D printing
- Electronics and microcontrollers
- Cnc milling
- Hand tools for wood, plastics and metal



Lasercutting

- 2D cutting/engraving in wood, plastics, textiles
- 3D structures out of 2D pieces



Lasercutting

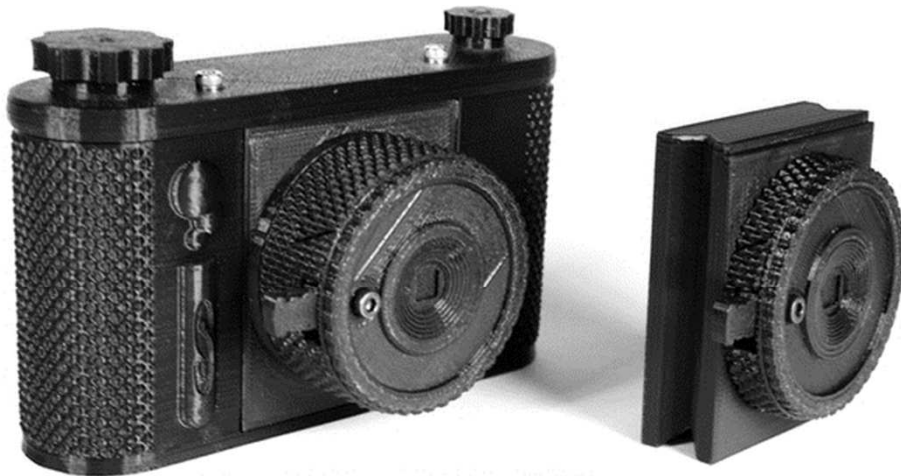


3D printing

- Lowcost FDM printing in PLA, ABS, Nylon, Flexible PLA, PET, ...
- Use 3Dprints to make silicone moulds
- Use 3Dprints to vacuform



3D printing



<http://www.thingiverse.com/thing:495230>

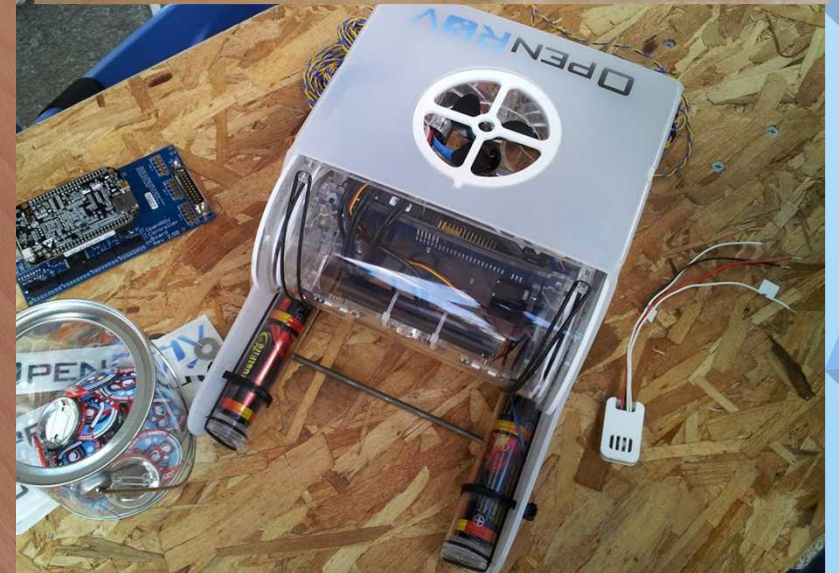
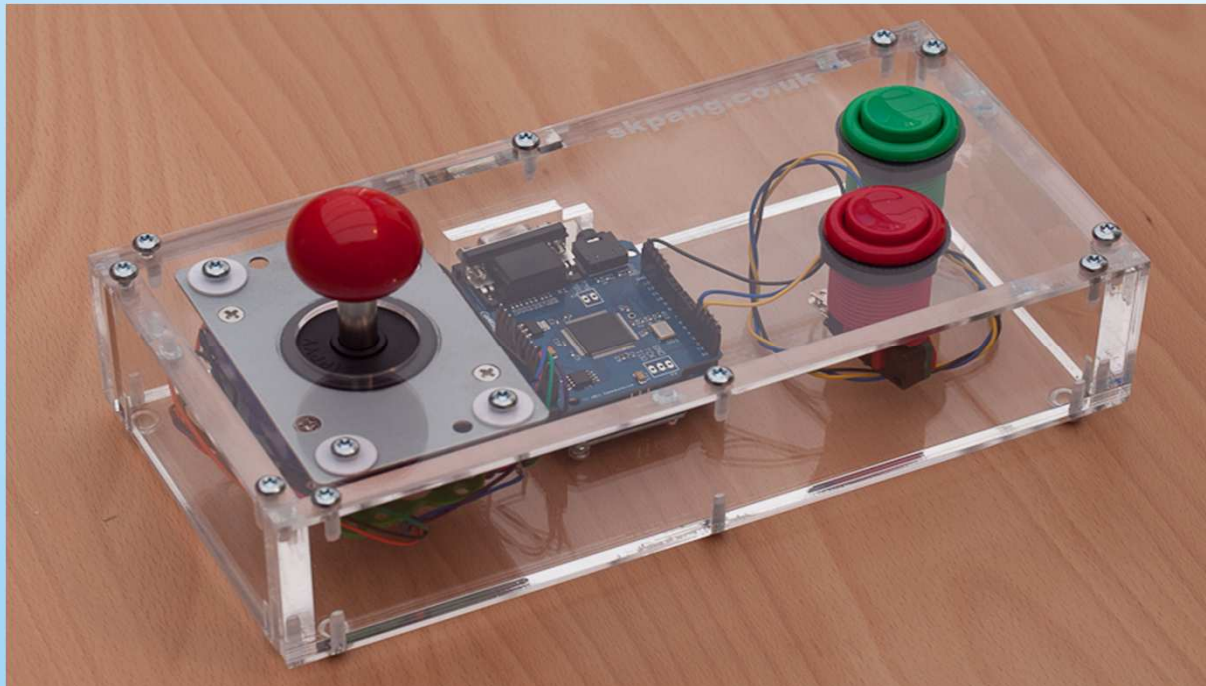


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Electronics and microcontrollers

- .Opensource microcontrollers
- .Basic circuit prototyping



What is in it for you?

- You can use our fablab as part of P3lab to prototype and test your ideas.
- DIY approach : learn from your failures and have control over the process.
- A place to build your own custom digital fabrication tools tailored to your needs.
- Have some fun! (exploring new digital fabrication methods)