

1 year of Fablab Roma Makers

What happened?
Build up a community in a big city area



Where we start

From design meetings to completed works in 1 year.

We run **Roma Makers**, a community formed around the maker movement, to connect the makers in our local area





LET'S GROW THE COMMUNITY!

Wednesday for makers

Weekly open access
to the lab...

New Projects are
developped every
week!

Community outreach
is the focus.



UN
MERCOLEDI
DA MAKERS
OGNI
SETTIMANA



Popup Makers



"Think with your hands, build something or try something, then talk about it, NOT the reverse."

Perry Kleban

Once a month 3 makers presents their own prototypes to the public.

10 minutes to speak, 15 minutes to answer questions.

Craft Party with Etsy Italia Team

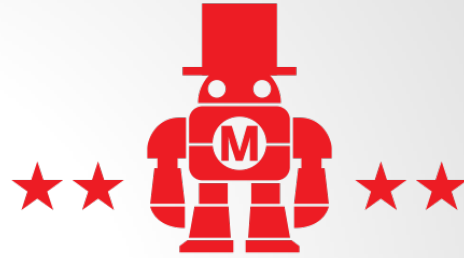


1 DAY

1 TOPIC



MANY
FABSPACES



DAY OF MAKING

JUNE 18, 2014

Computer Science
Education Week DECEMBER 8-14

Maker Faire[®]

THE EUROPEAN EDITION

TO RUN A FABLAB

We need a house

We run a fablab collecting (recyclable) stuff and self-financing the project.

Our starting model:

Everyone builds/buys a machine..

Sharing machines and various hardware.

Machines

3D PRINTING

Power Wasp Evo with Proxxon milling

Makerbot Replicator 2x

3 different RepRap

1 Falla3d

Machines

CNC

iModela Roland

Power Wasp

one project of self builded (will be presented in
Maker Faire Rome 2014)

Machines

OTHER

Electronic laboratory

Vinyl cutter Cameo Silhouette

machines for the wood

modified Proxxon cnc milling

60x90 cm 100W laser cutter

Spaces

In july 2014, after 1 year, we doubled spaces and we reach 150 sq.m.



ACCESS TO FABLAB

Access

From 5pm to 11pm
access granted to
members, to utilize
machines and spaces.



Access by topic

Mon: Art and music with electronics

Tue: TNT group, smash that cnc

Wed: weekly open access

Thu: electronics with microcontrollers

Fri: human interface devices: Oculus rift, Vusix glass, laser keyboard, Kinect, Neurosky

Mindwave (in collaboration with BluSistemi company)

PROMOTION OF TECHNIQUES AND CULTURE

digital fabrication and open-source

Promotion and Education

We teach valuable digital manufacturing skills...

Evening classes and
Weekend workshops.



Mini Makers: let's kids play

Electronic and 3D printing
Once a month for now.

It will be a youth
education program.



Evening meetings

We organize several meetings a month to speak about new open hardware or new projects to present to our community.

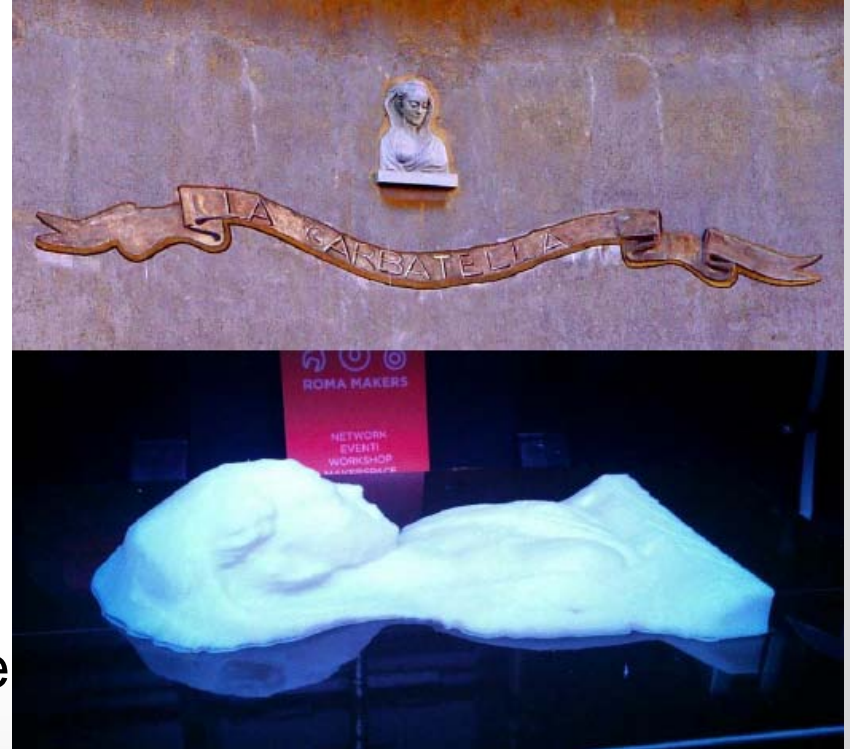


**PROJECTS:
WE GROW WITH THE
MEMBERS**

Projects: the gentle innkeeper

The name of our district is Garbatella, probably originating from the Garbata Ostessa.

We reconstructed a 3D model from several photos with a software and printed to make a gift for the 94th anniversary of the district.



Projects: 3D printer “Falla3D”

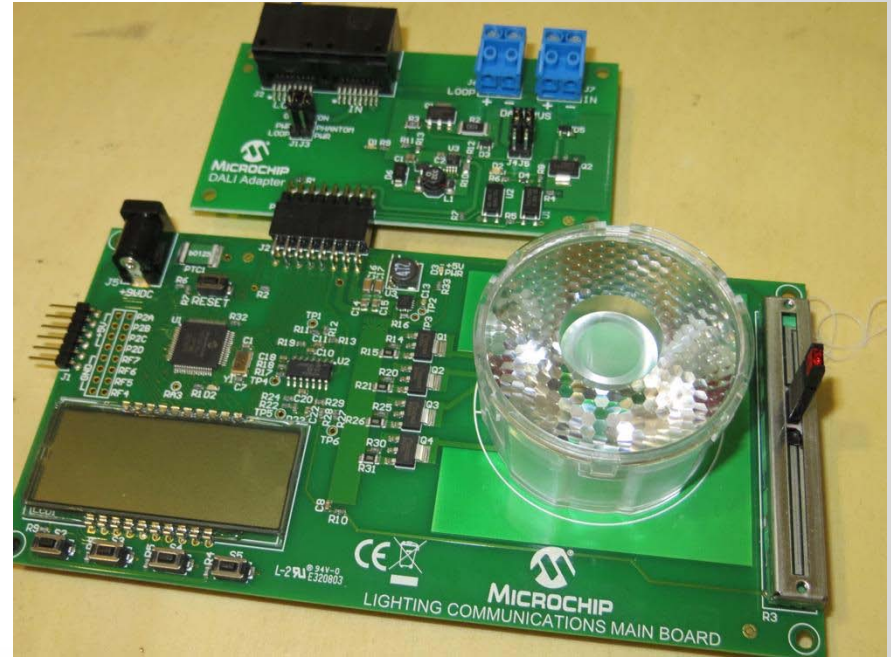
This project involving 3 Fablabs in Italy. Start from **Fablab Contea** from **Giacomo Falaschi**, now it's possible to build your own open-source 3D printer from this kit.



Projects: DALI lights

DALI stands for Digital Addressable Lighting Interface.

A member developed a modular system with this very flexible protocol.



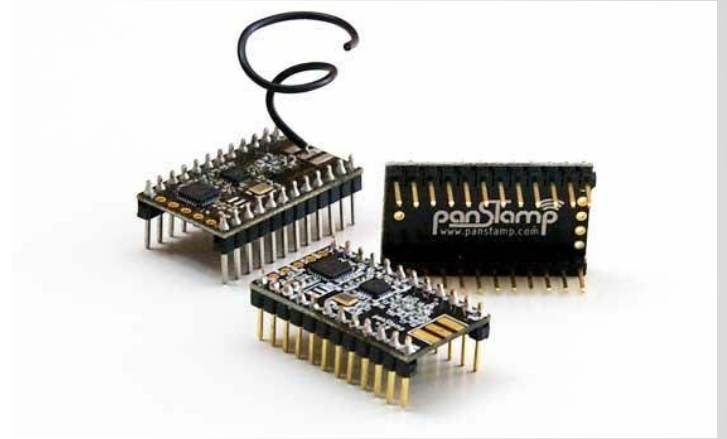
Projects: from Fritzing to iModela

Obtain clean and personalized pcb circuits from an open-sourced, community based, software like Fritzing to a cnc such as Roland iModela



Projects: Open Source Home Automation

In collaboration with BluSistemi we have developed a modular system with PanStamp module, OpenRemote server and a RaspberryPi.



Thanks

Stefano Varano

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