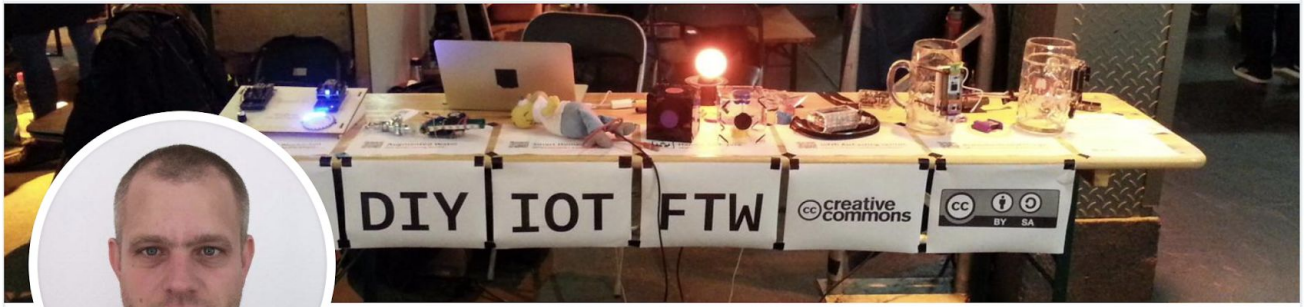
Make, Learn, Share

Thomas Amberg (@tamberg) /

twitter.com/tamberg

Thomas Amberg



Edit profile

Thomas Amberg

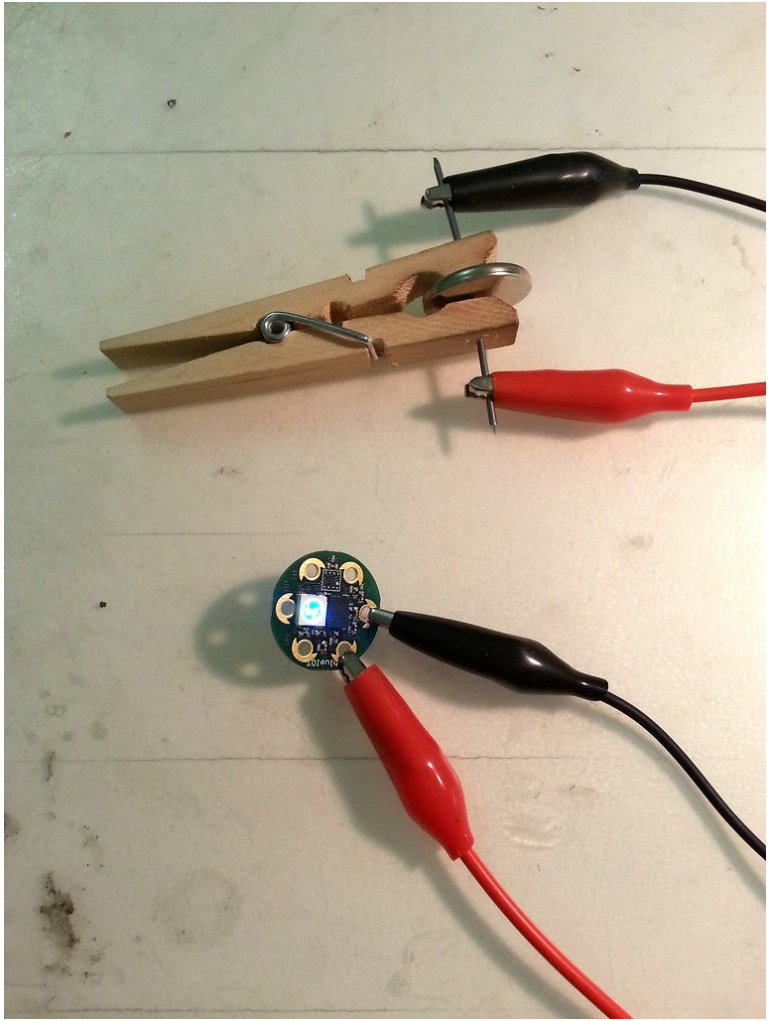
@tamberg

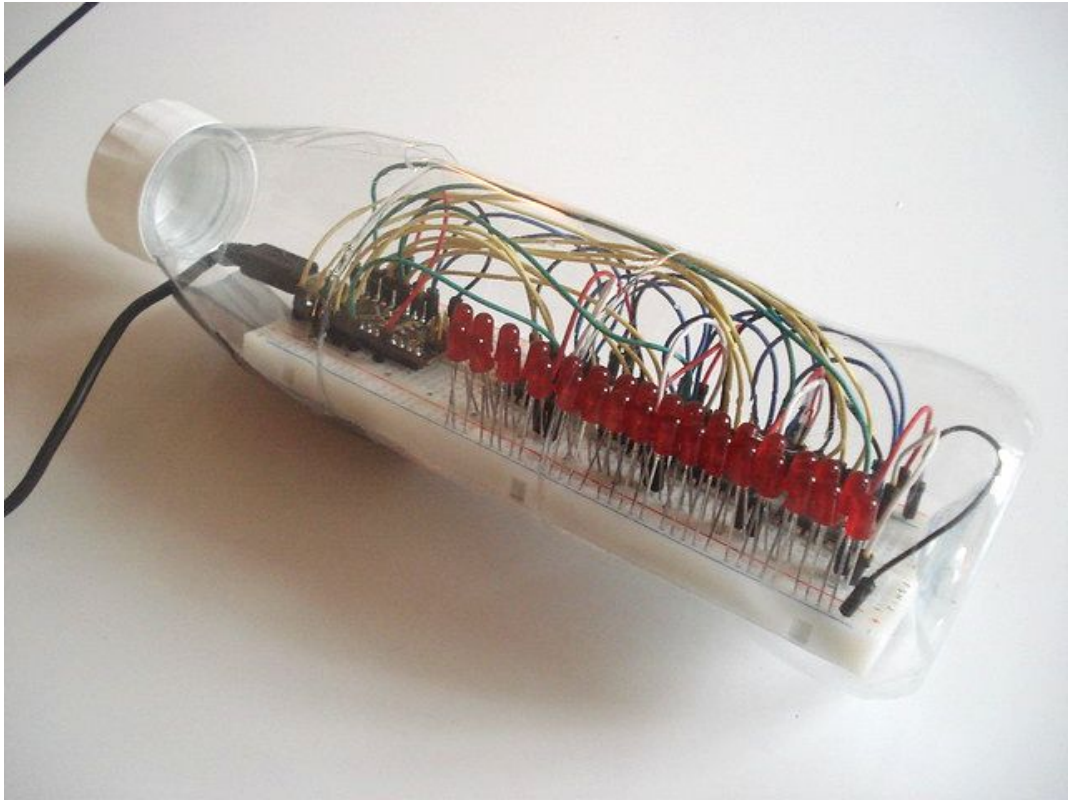
Maker/👩‍💻engineer trying to work on stuff that matters. Founder @yaler. Organiser @iotzh, @makerfairezh. Embracing the future. Becoming a teacher.

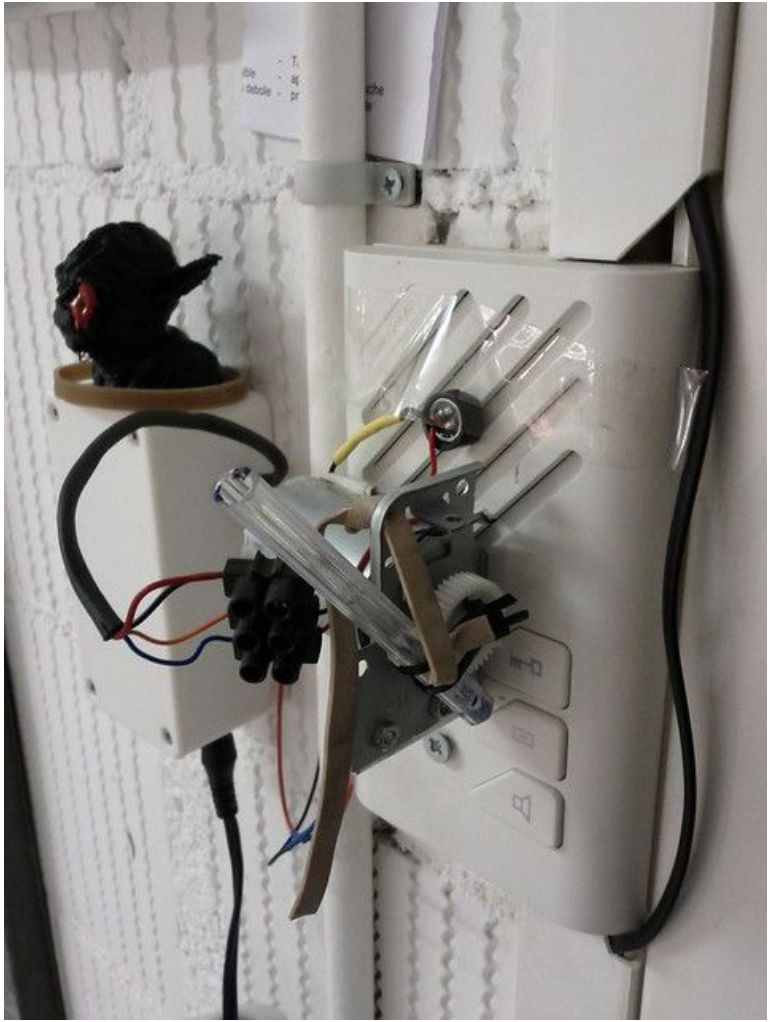
Zürich tamberg.org Joined December 2006

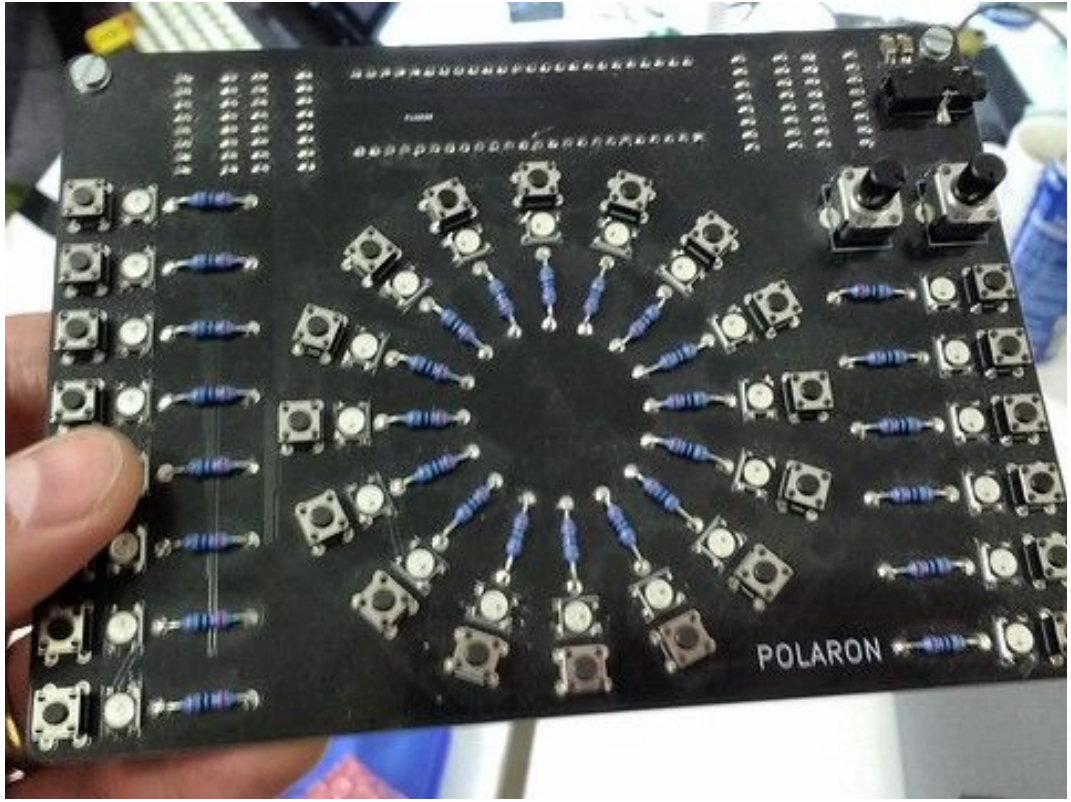
3,716 Following **2,117** Followers

Electronics & Arduino







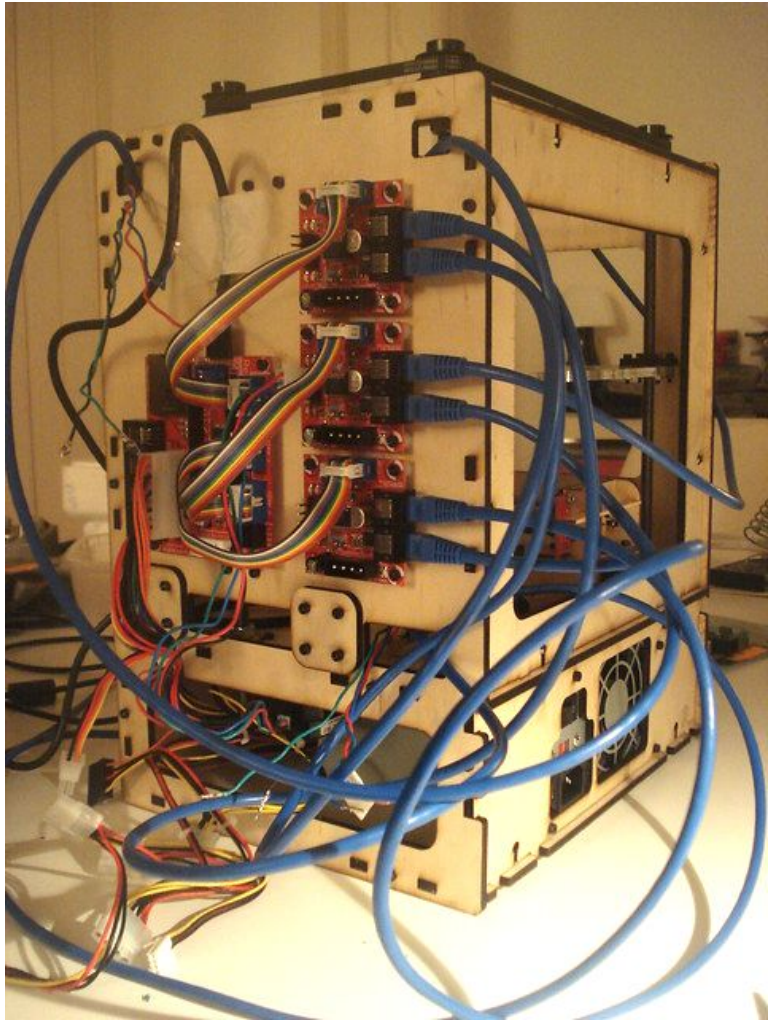


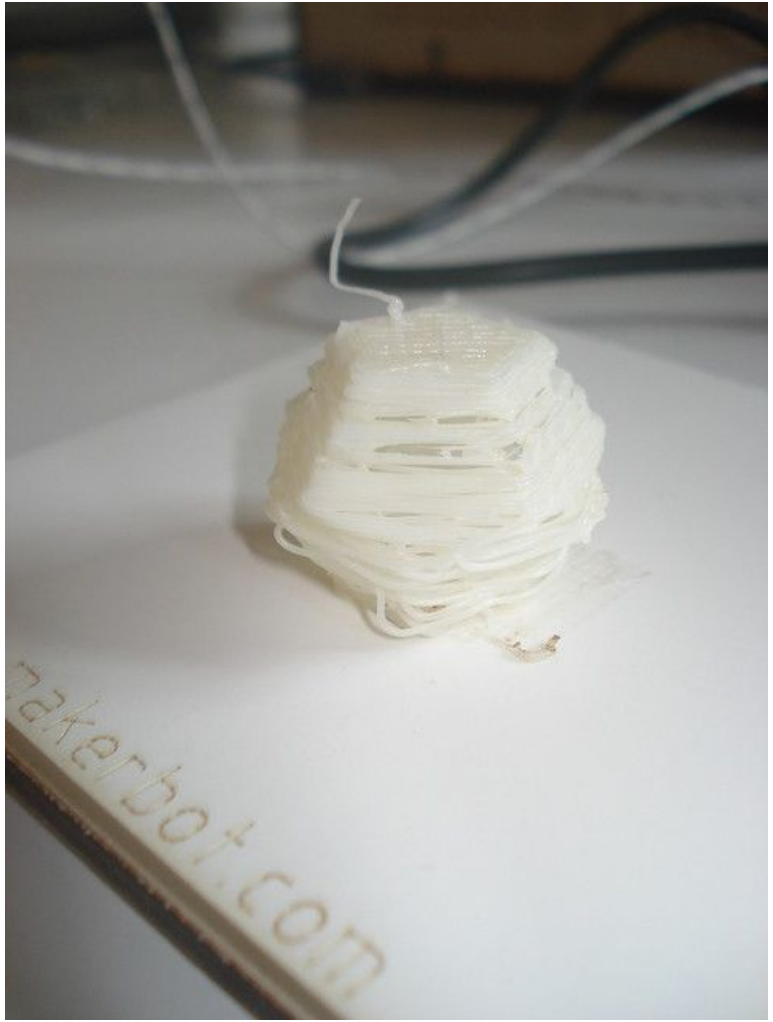
Make Your Own Motion Triggered Bed to Bathroom Illuminated Walkway

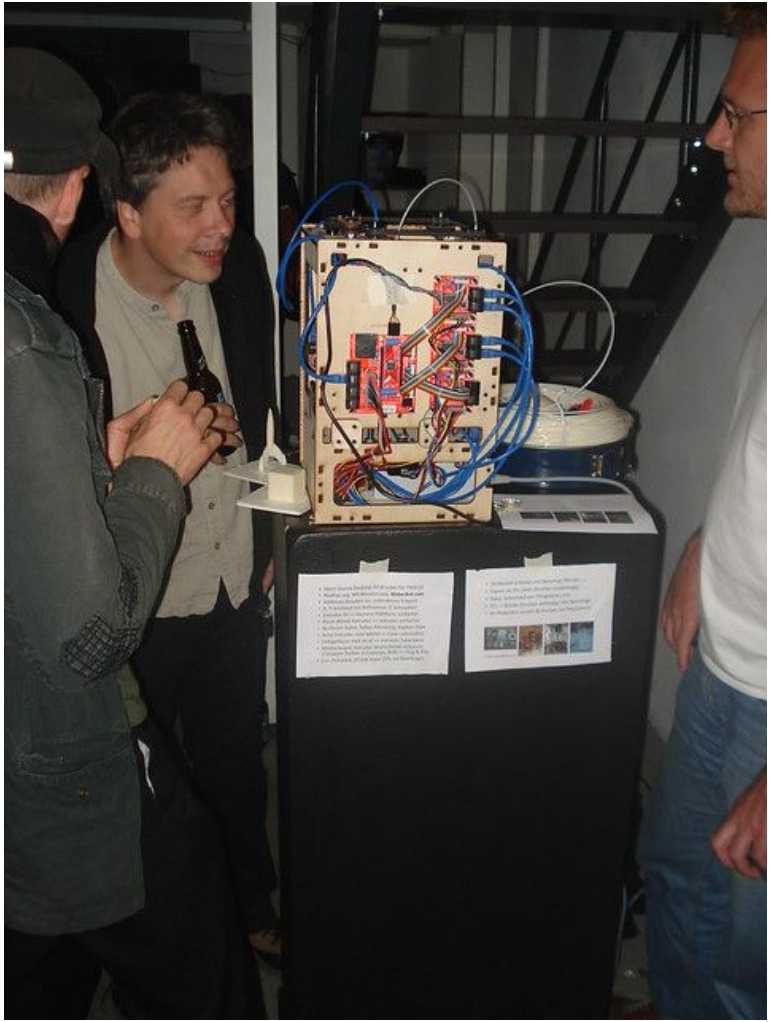
Thorin Klosowski
2/06/12 9:00am • Filed to: DIY

DIY Kits & 3D-Printing


makerbot
industries








BRINGING IT TOGETHER
Freebeen.ch
petsite.com
is a cheat
www.pixelstorm-award.ch
ABS
MakerBot (Thomas)
Fx (Lan)

Shower Curtain Hook by tamb

thingiverse.com/thing:1062

Thingiverse DASHBOARD EXPLORE EDUCATION CREATE Search Thingiverse You

Shower Curtain Hook

by tamberg Sep 27, 2009

EDIT THING

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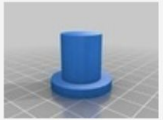
Likes	64
Collect	58
Comments	2
Post a Make	1
Watch	0
Remix It	0
Share	0

Bike Handle Plug by tamberg

thingiverse.com/thing:4416



EDIT THING

DOWNLOAD ALL FILES

Likes	48
Collect	45
Comments	5
Post a Make	1
Watch	0
Remix It	1
Share	0

Thing Apps Enabled

View All Apps

3D Printing Zürich (Zürich, Swi

meetup.com/3D-Printing-Zurich/

Meetup

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3D Printing Zürich

Zürich, Switzerland

507 members · Public group

Organized by **Thomas Amberg** and **2 others**

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Manage group | Create event

What we're about

Got a MakerBot, Ultimaker or any other home 3D printer you're willing to share? Blender, Rhino, SketchUp or other 3D design skills? A spare Kinect?...

Organizers

Thomas Amberg and **2 others**

Message

The FabLab

The Fab Charter

Not Secure | fab.cba.mit.edu/about/charter/

The Fab Charter

What is a fab lab?

Fab labs are a global network of local labs, enabling invention by providing access to tools for digital fabrication

What's in a fab lab?

Fab labs share an evolving inventory of core capabilities to make (almost) anything, allowing people and projects to be shared

Labs Map | FabLabs

fablabs.io/labs/map

FabLab Zürich

FabLab Zürich – Mach Dein Di

zurich.fablab.ch

FABLAB ZÜRICH

AKTUELL KENNENLERNEN MITMACHEN KURSE & WORKSHOPS LOGIN

Willkommen im FabLab Zürich

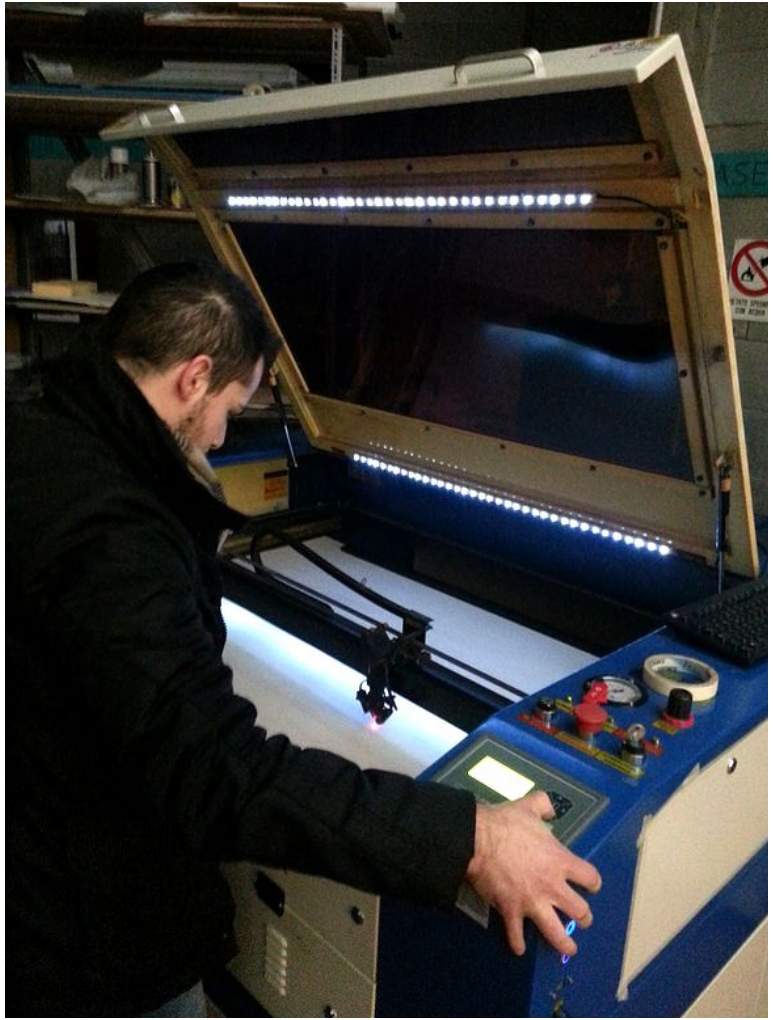
Das FabLab Zürich bietet einen niederschwelligen Zugang zu modernen digitalen Fabrikationstechnologien.

FabLab Zürich – Werkstatt für Digitale Fabrikation

Kennenlernen

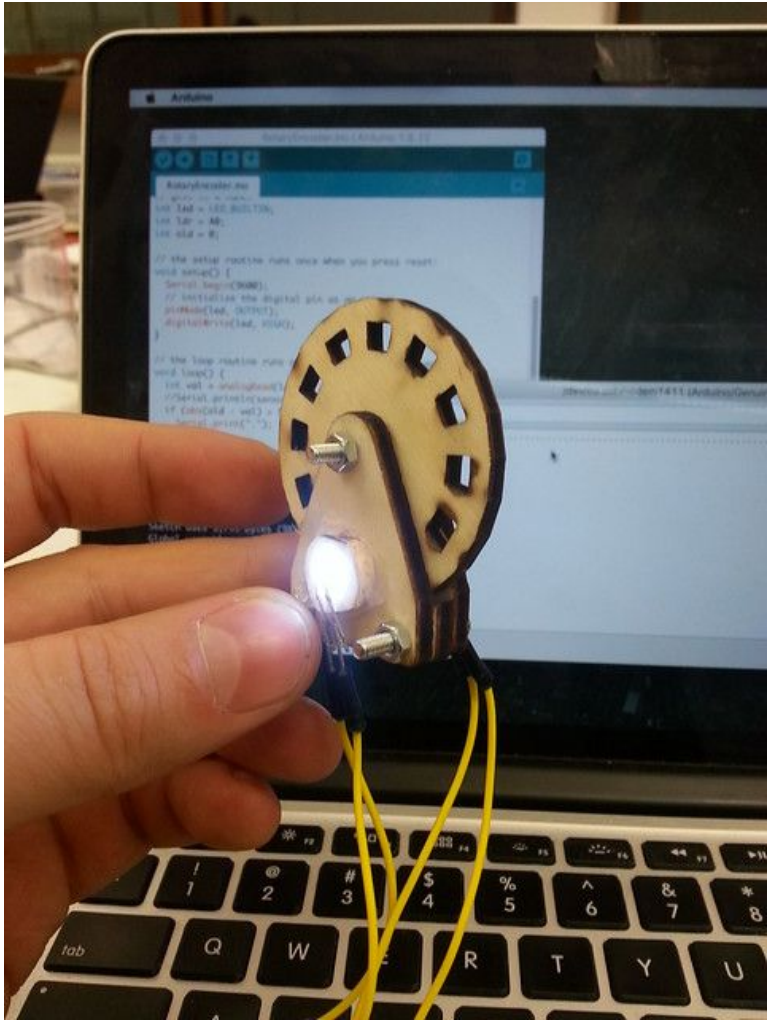
Mitmachen

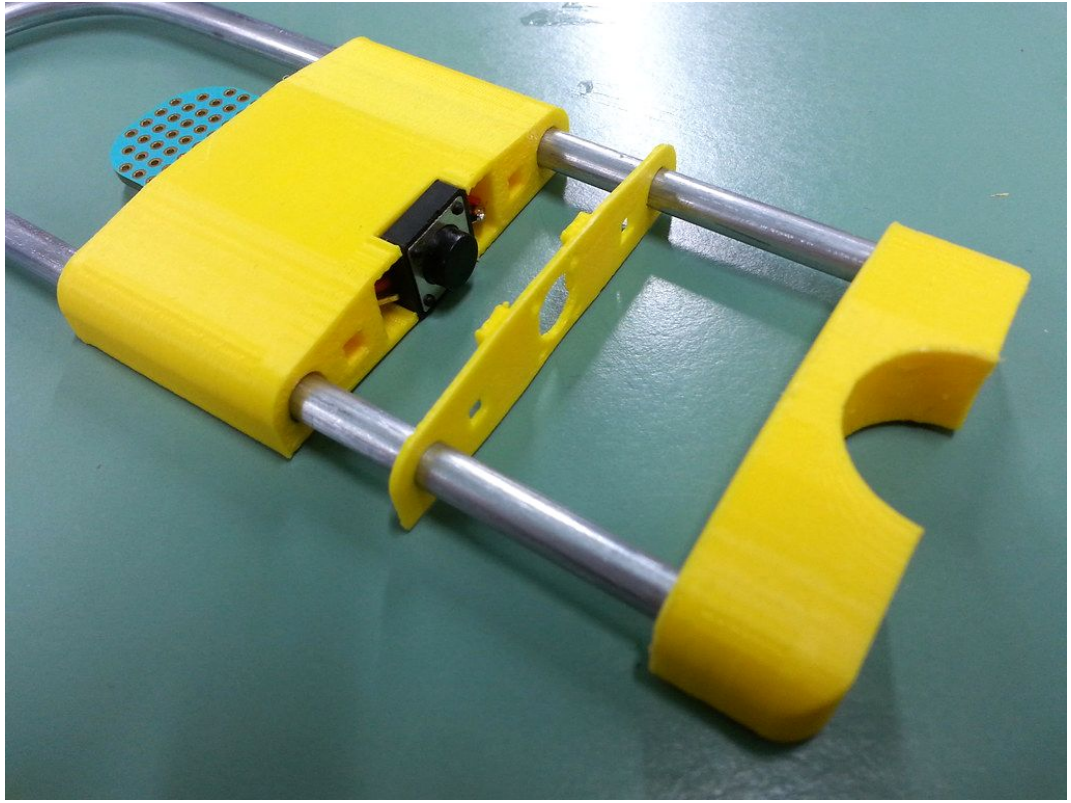
Kurse & Workshops



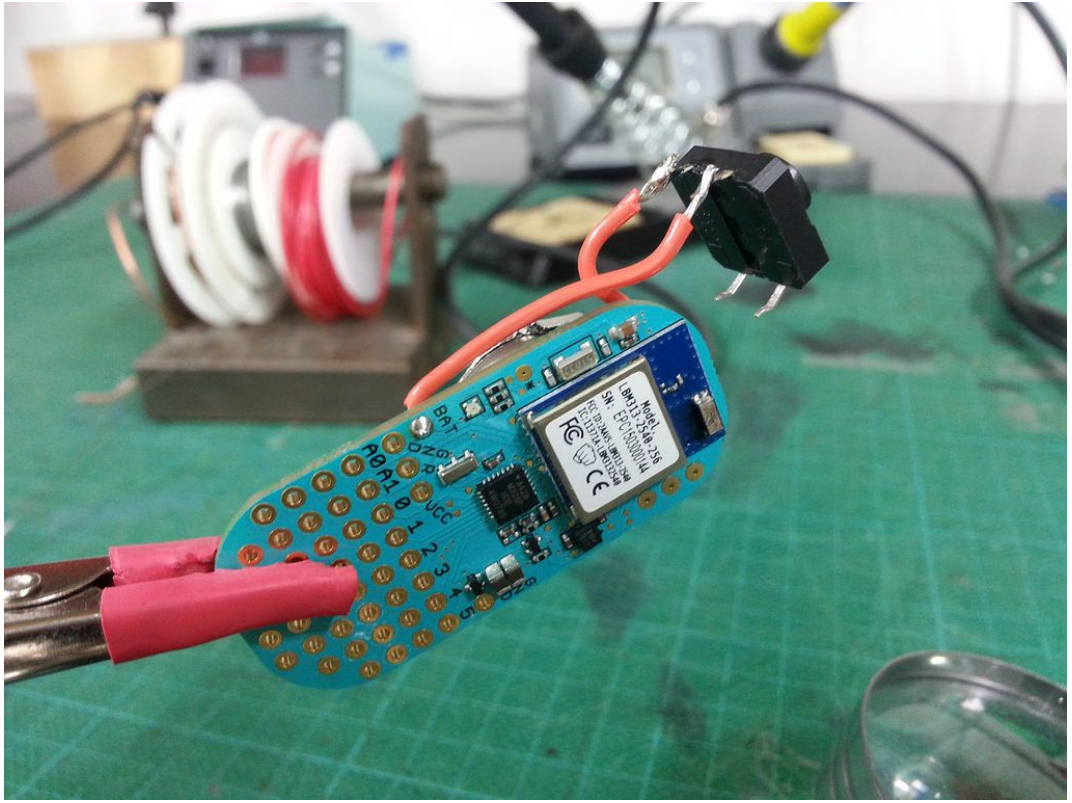
DIY 3D Tilt Sensor

By tamberg in Circuits > Sensors 14,755 153 2 Featured






Humidtect
RH/TD3


BAT
GND
R
VCC
ABA1
B1
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2
3
4
5
6
Model:
BH1D-24G-256
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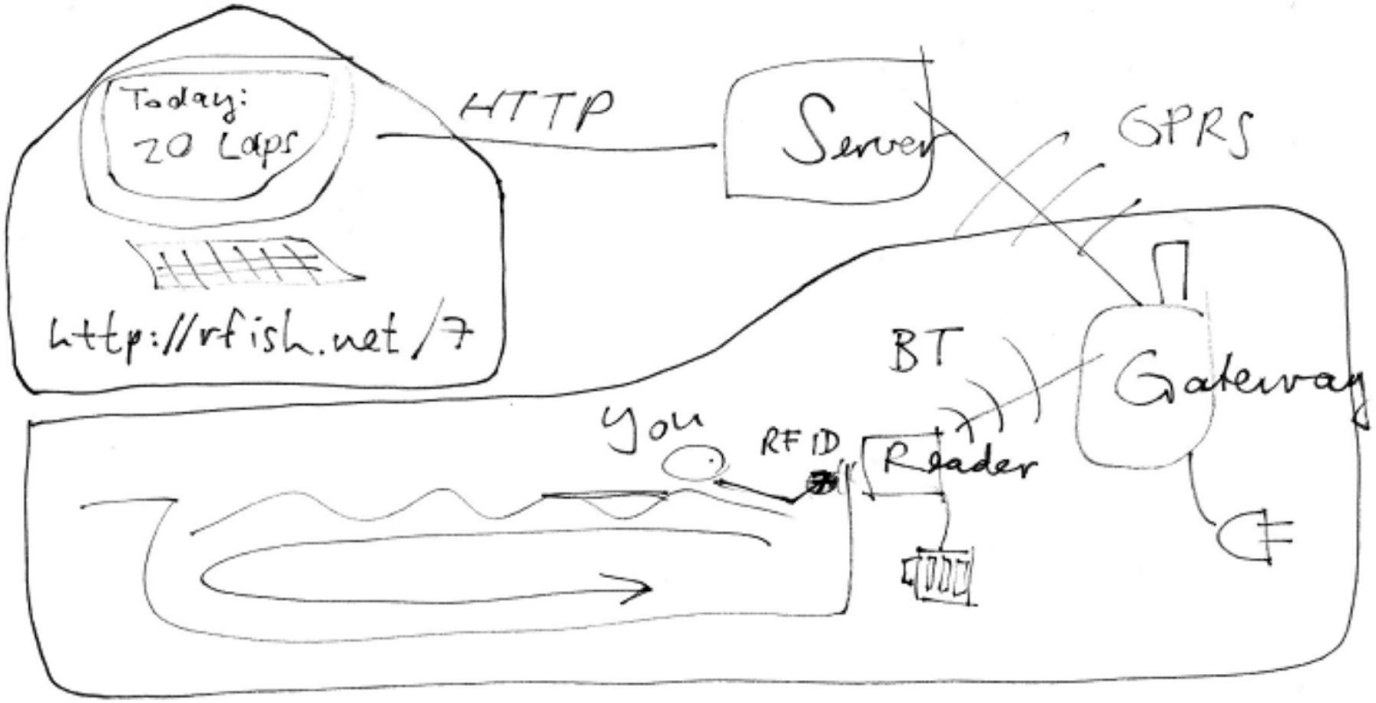
IC:11174A-BH1D24G

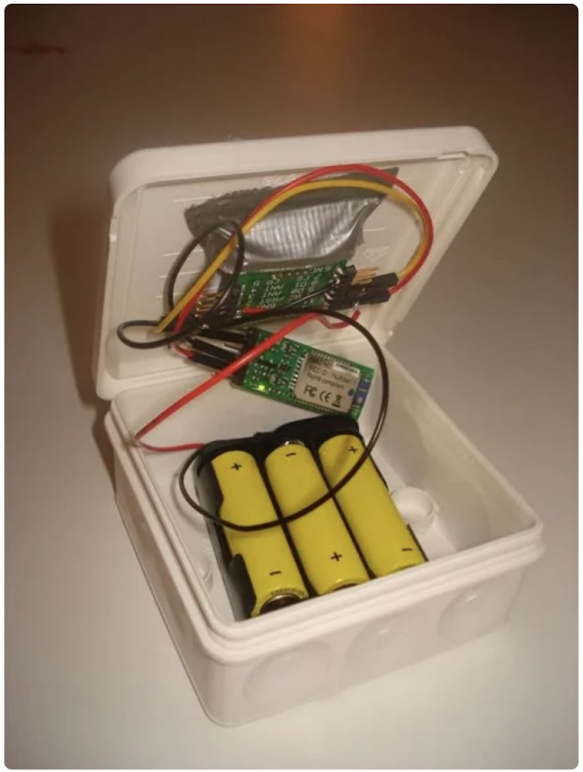
Internet of Things

A Simple Plan

February 13, 2009



Weather Proof, Bluetooth Capable RFID Reader by tamberg



Weather Proof, Bluetooth Capable RFID Reader

By tamberg in Outside > Water

This instructable connects the popular **BlueSmirf Bluetooth module** to the **ID12 RFID reader** and shows how to make a dust and water resistant (IP55) RFID reader that sends IDs to your PC or mobile phone over Bluetooth radio without an additional micro controller and without an external power source. Created as a prototype for an online swim lap counter system named Rfish, it can be used for any project in need of a self contained, weather proof RFID reader.

landonhm85 10 years ago on

Reply Upvote

Hey Tamberg, Great article, I'm just beginning to learn about RFID for a project I am working on and this is going to help a ton. I wonder if you know if I could use a similar application to build an RFID reader for a door that is wirelessly re programmable over Bluetooth. For instance, I would like to reprogram the RFID reader over Bluetooth to "admit" specific RFID tags that I send to the reader over Bluetooth and be able to remove old RFID tag's access over Bluetooth as well. Thanks again! landonhm85

tamberg (author) > landonhm85 Reply 10 years ago on

Reply Upvote

Hi landonhm85, in the current setup Bluetooth merely replaces the cable between the reader and a PC (or mobile phone). There is no application logic in the box itself. So, as long as your system includes a PC to check and manage IDs it could work. To really save admitted IDs on the reader or "in the box" you'd probably need an additional microcontroller (e.g. an Arduino) and some flash storage. Regards, tamberg

IoT Zurich (Zürich, Switzerland

meetup.com/IoT-Zurich/

Meetup

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IoT Zurich

Zürich, Switzerland

2,306 members · Public group

Organized by **Thomas Amberg** and **1 other**

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What we're about

This meetup group is for everybody interested in the Internet of Things (IoT), how it works and what it means for our future. Together we learn about use...

Organizers

Thomas Amberg and **1 other**

Message

Better IoT Principles

Introduction

This is the latest version of a working document to develop a certification mark for connected products by IoT community members worldwide. This is a work in progress and you may comment freely, join the conversation on Slack, sign up to our newsletter or give us feedback in writing (alex@iot.london) or on our monthly open calls.

This is a set of principles that we think a vendor — a connected product manufacturer, team or founder — would use to make a good, secure, ethical, product that also takes into account the General Data Protection Regulation (GDPR). But also to push beyond the GDPR and look at the entire life cycle of a smart device. From manufacture, to final disposal.

fhnw-iot/README.md at maste

GitHub, Inc. [US] | github.com/tamberg/fhnw-iot/blob/master/README.md

Search or jump to... / Pull requests Issues Marketplace Explore

tamberg / fhnw-iot

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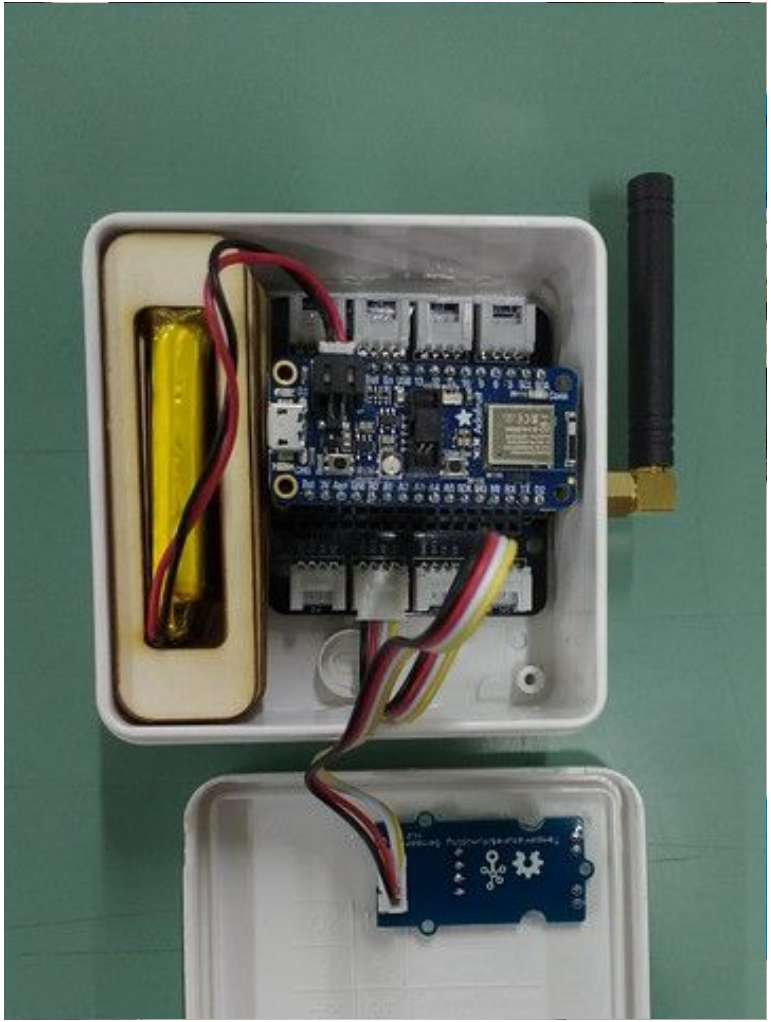
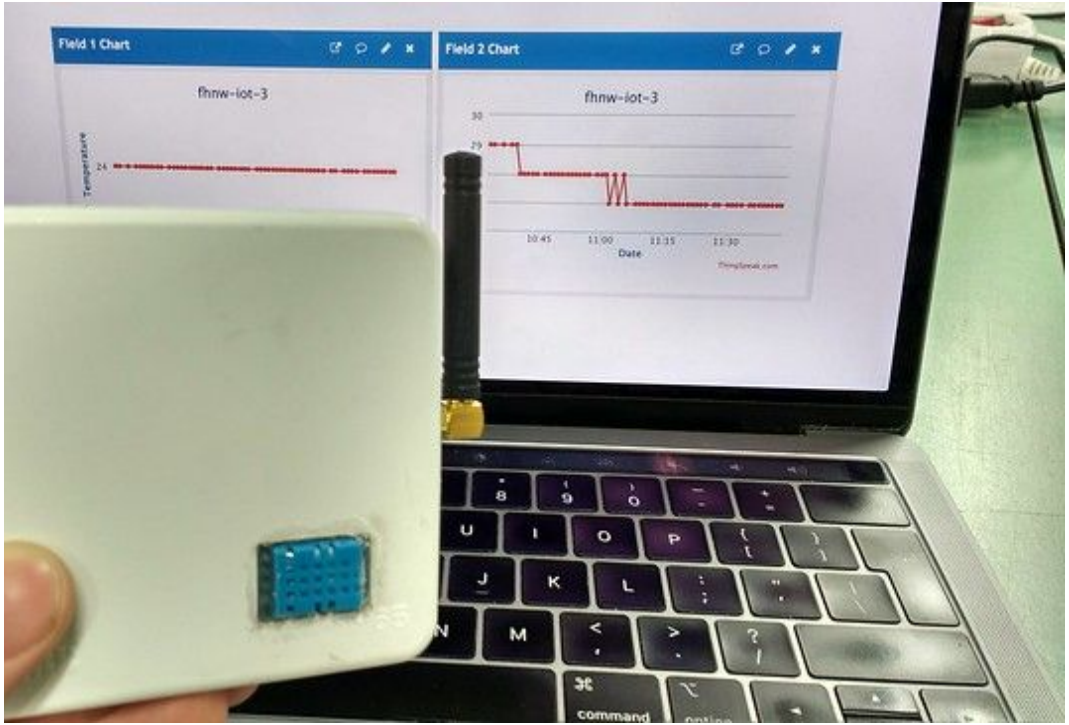
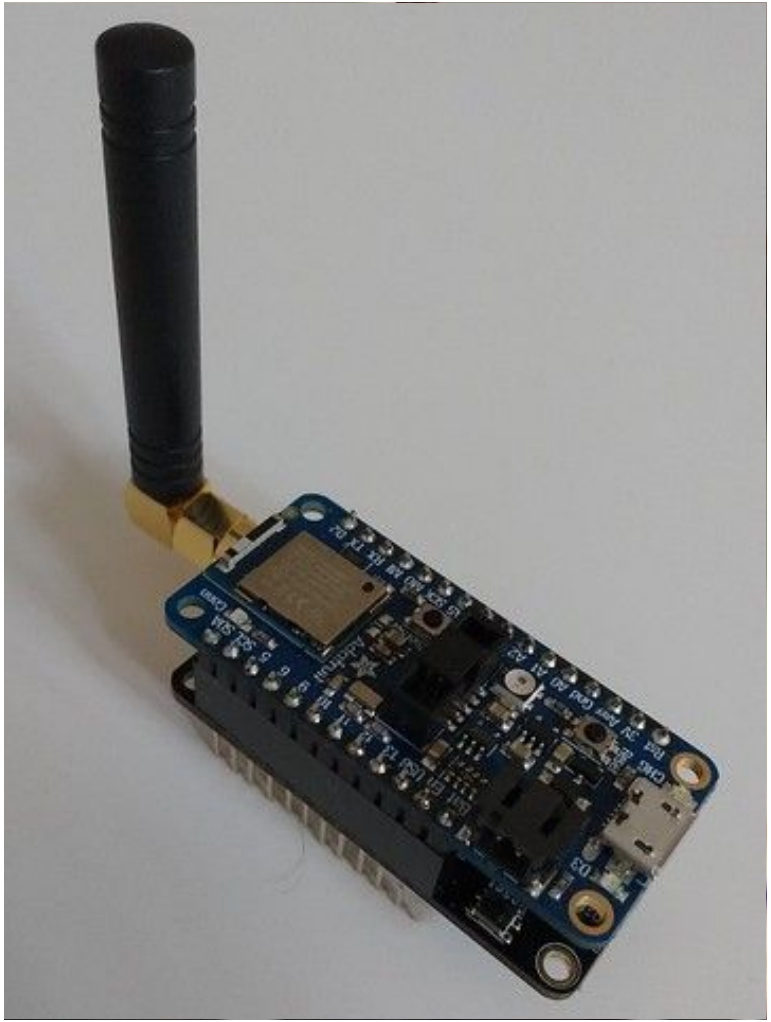
IoT Engineering

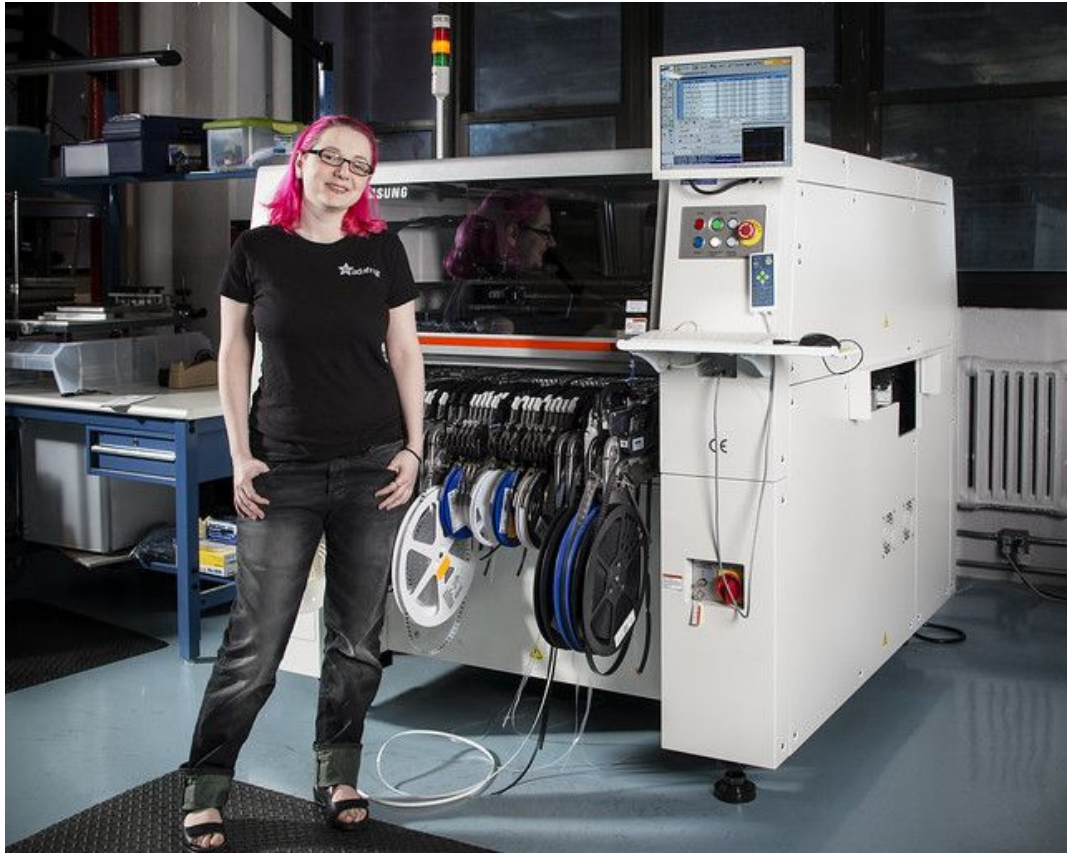
Slides and code examples

1. Introduction to the Internet of Things
2. Microcontrollers, Sensors & Actuators
3. Sending Sensor Data to IoT Platforms
4. Internet Protocols, HTTP and CoAP
5. Local Connectivity with Bluetooth LE
6. Raspberry Pi as a Local IoT Gateway
7. Messaging Protocols and Data Formats
8. Long Range Connectivity with LoRaWAN
9. Dashboards and Apps for Sensor Data
10. Rule-based Integration of IoT Devices
11. Voice Control for Connected Products
12. Raspberry Pi as an IoT Edge Device
13. Assessment
14. Demo Day




Field 1 Chart
fhnw-iot-3
Temperature
24
Field 2 Chart
fhnw-iot-3
30
29
10:45
11:00
11:15
11:30
Date
command





Hackdays

Tangible Statistics

We did some explorations on how to use a MakerBot DIY 3D Printer to make open data easier to grasp. An introduction can be found here:

http://www.tamberg.org/makeopendata/2012/Tangible_Statistics_with_MakerBot.pdf

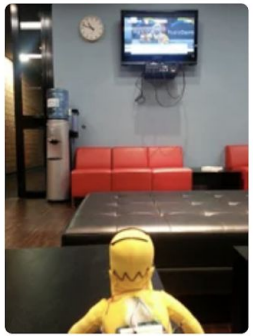
A data set and visualization from the Ville Vivante project (http://villevivante.ch/) kindly donated by @wiederkehr was used to explore different 3D interpretations.

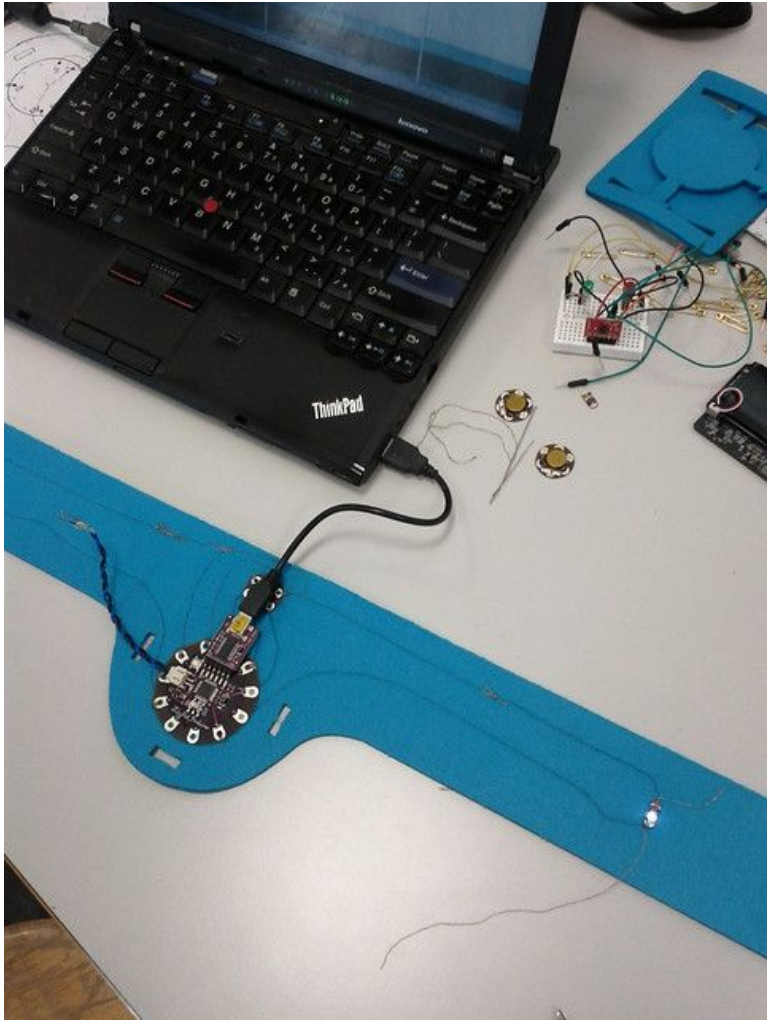
Wearable data in the form of earrings is quick to print and quite effective despite the cheap material.

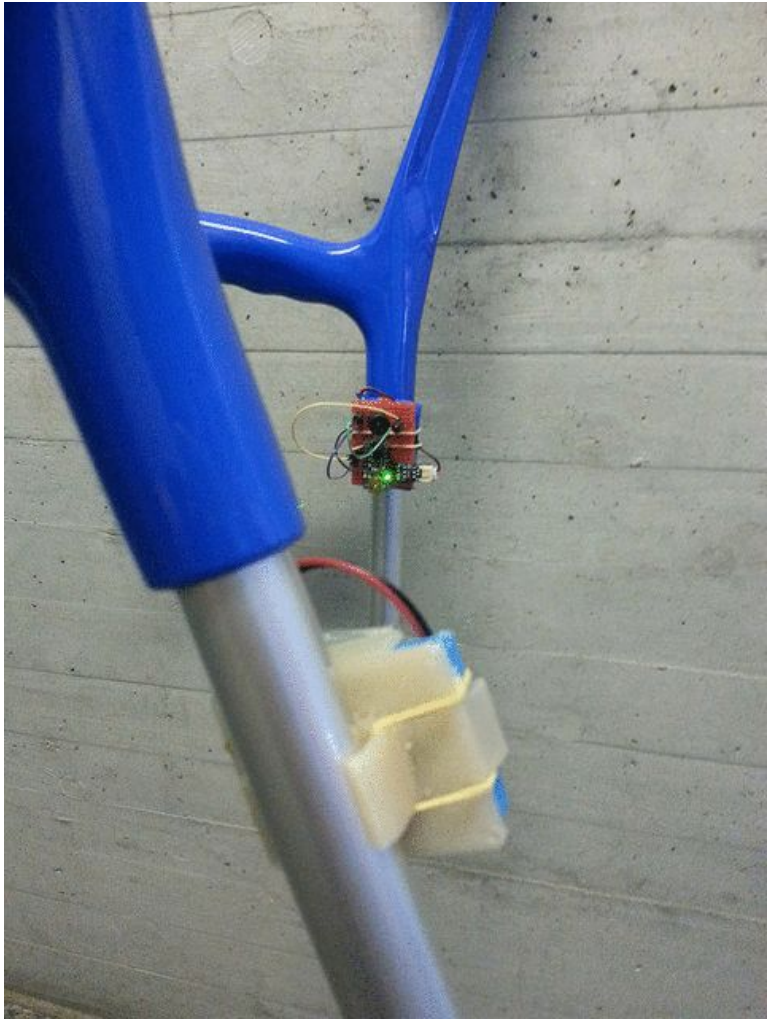
Augmented Water

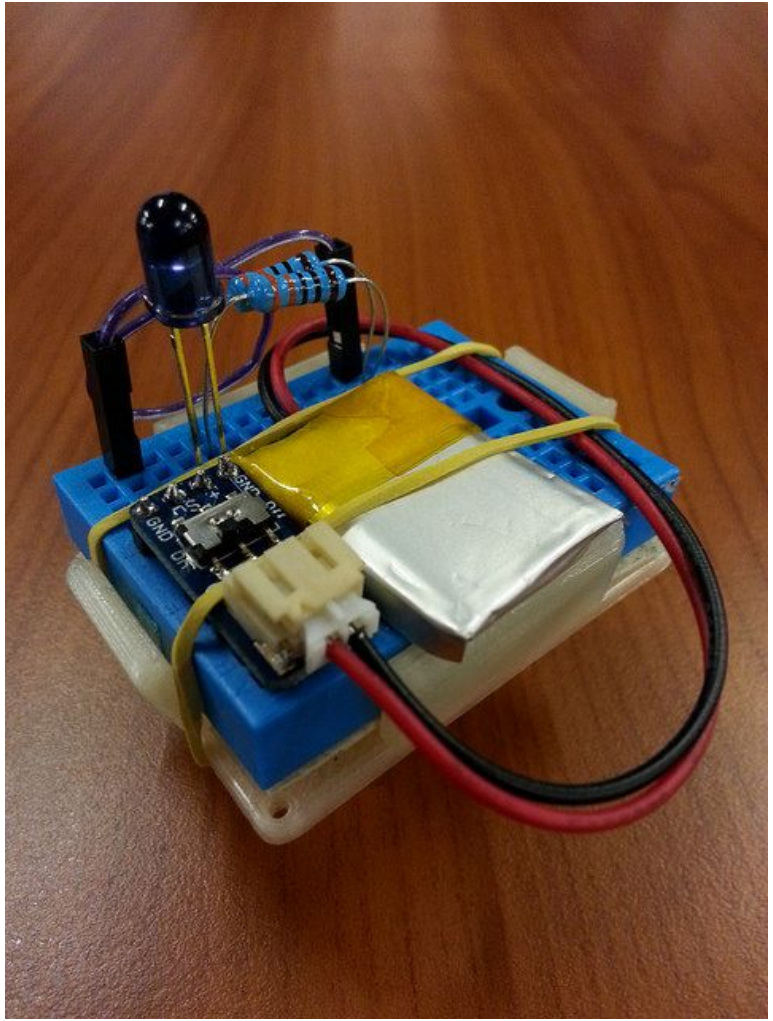
By tamberg in Circuits > Arduino 37,594 211 23 Featured

Smart Homer Web-enabled TV Remote




ThinkPad



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setup
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science
Energizer

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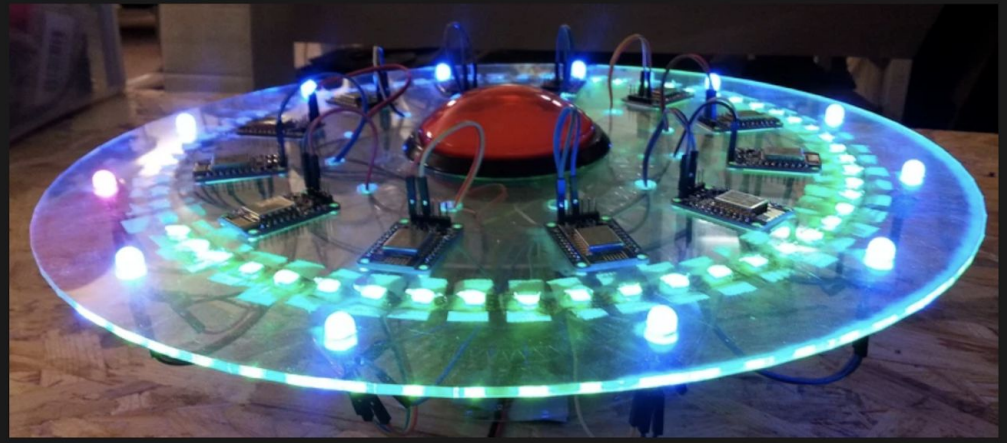
ABSURD CLOCK USES TWELVE ESP8266 MODULES

by: Elliot Williams

15 Comments

November 26, 2015



Maker Faire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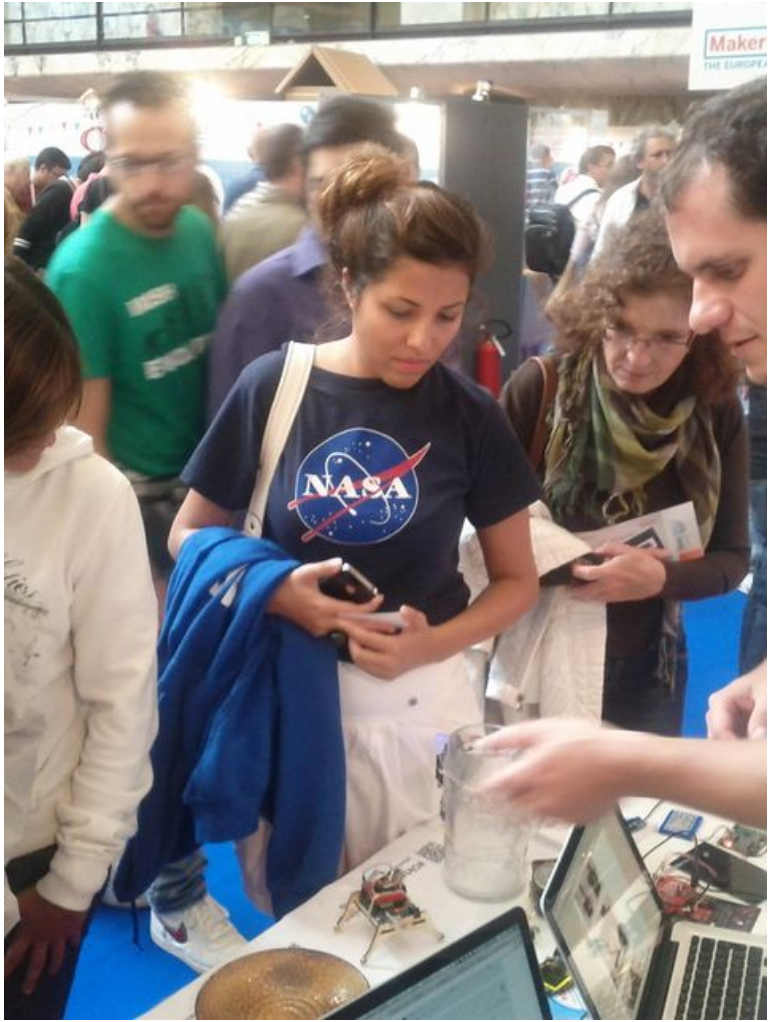
INVENTA
CREA
Maker Faire
THE EUROPEAN EDITION
Atmel


Maker Faire
THE EUROPEAN EDITION
Internet of Things
Zürich Showcase
DIY IOT FTW


Maker
NASA

Maker Faire Zurich

makerfairezurich.ch/en/

Zürich Mini Maker Faire

PROGRAM 2018 | PRESS | #MFZH17 | #MFZH16 | DEUTSCH

September 15 – 16, 2018

Many thanks for your visit!

Maker Faire is a family-friendly festival for digital crafts and new technologies, with a focus on making, learning and sharing.

The event is an opportunity for exponents of the maker and Do it Yourself movement to present their work to a broad, interested public and pass on their excitement through interactive exhibits, workshops, discussions and talks.

Program & Workshops

Families, kids and young adults in particular are presented with numerous and playful ways to discover


Maker

Thanks