

NEW MEDIA

FOIRE BASILE

00 - Course Intro

ABOUT ME

FOIRE.BASILE@GMAIL.COM

Degree in Computer Science

20+ years in software industry, 3 startups

Experience in software, hardware, design, digital fabrication

FabLab Cascina Coordinator

Research in Wearable, Affective Computing, Open hardware innovation

GOALS

- Learn how to add some interactivity to your designs
- Create “reactive” projects
- Learn new tools that add value to your design skills

CALENDAR

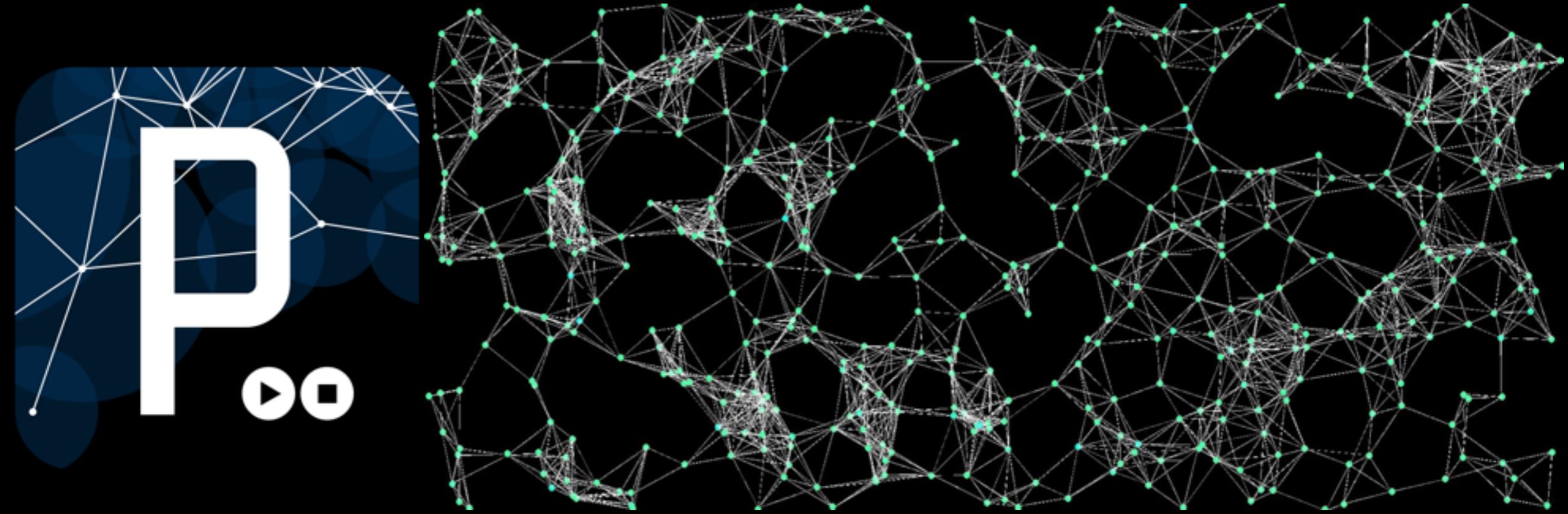
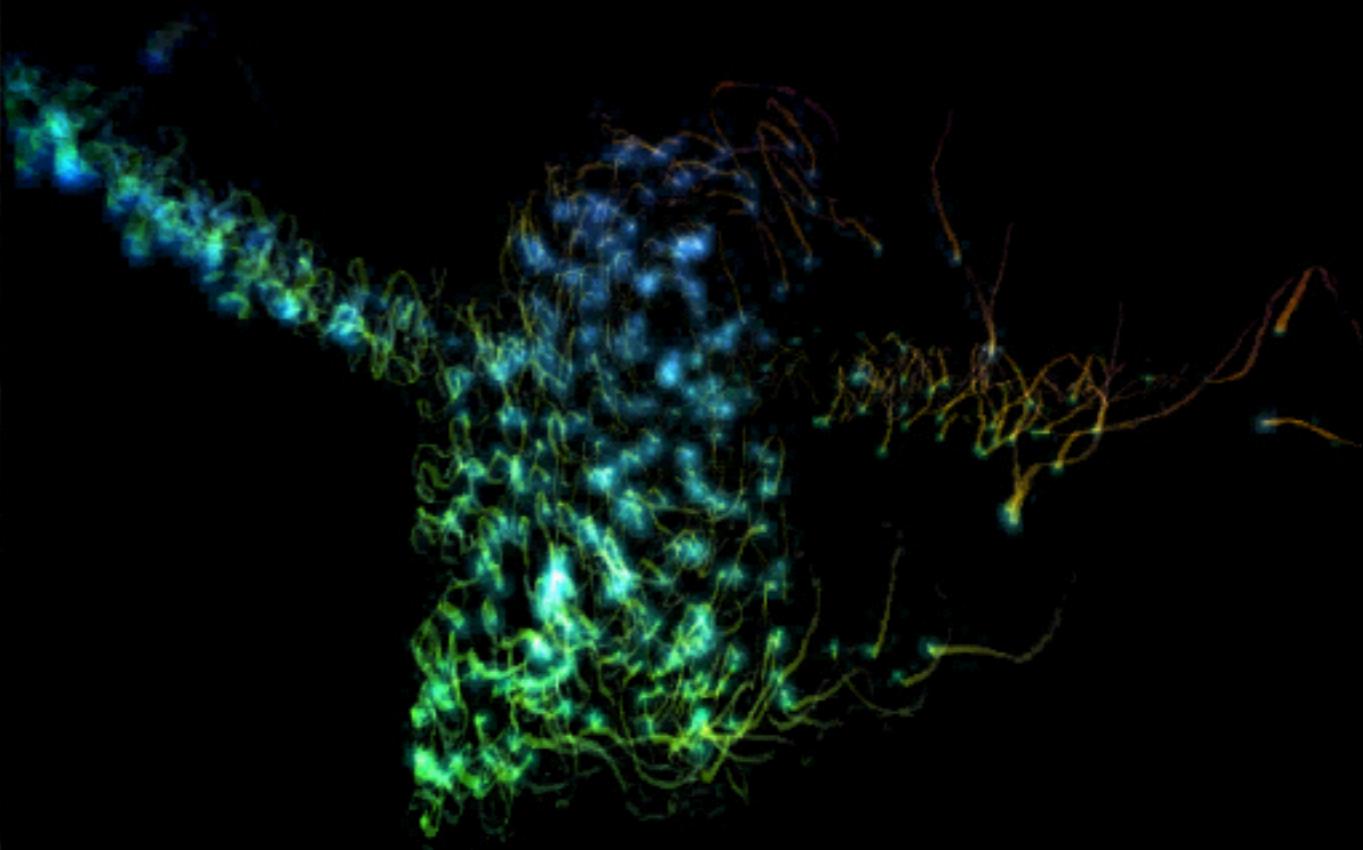
14:30 – 17:30 ROOM 1

- 19/09 NEW MEDIA AND INTERACTION
- 26/09 PROGRAMMING INTERACTIVITY
- 17/10 INTERACTING WITH THE PHYSICAL WORLD
- 24/10 EXPLORING INTERACTION
- 31/10 BUILDING INTERACTION
- 7/11 TALKING TO THE NETWORK

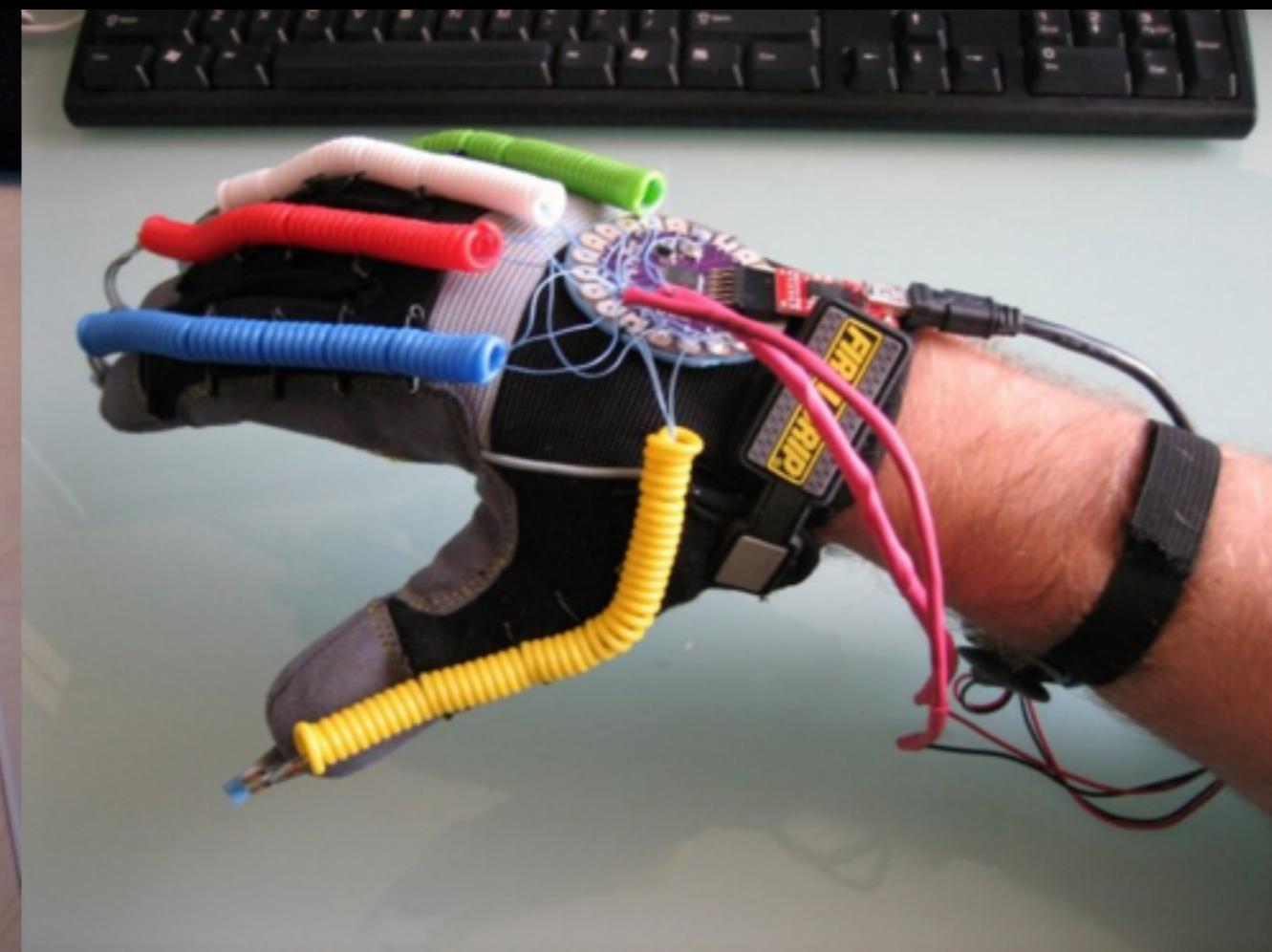
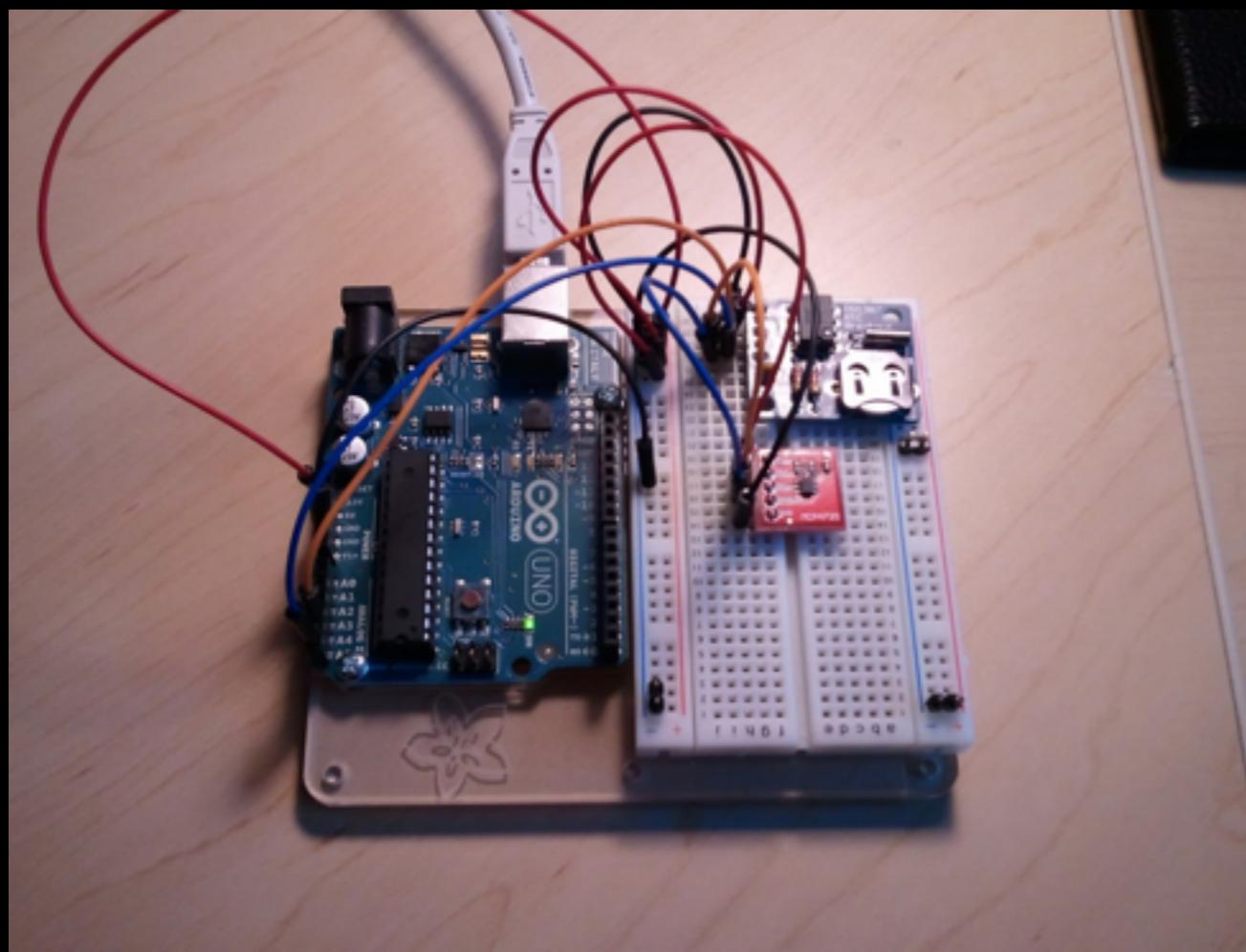
NEW MEDIA AND INTERACTION



PROGRAMMING INTERACTIVITY



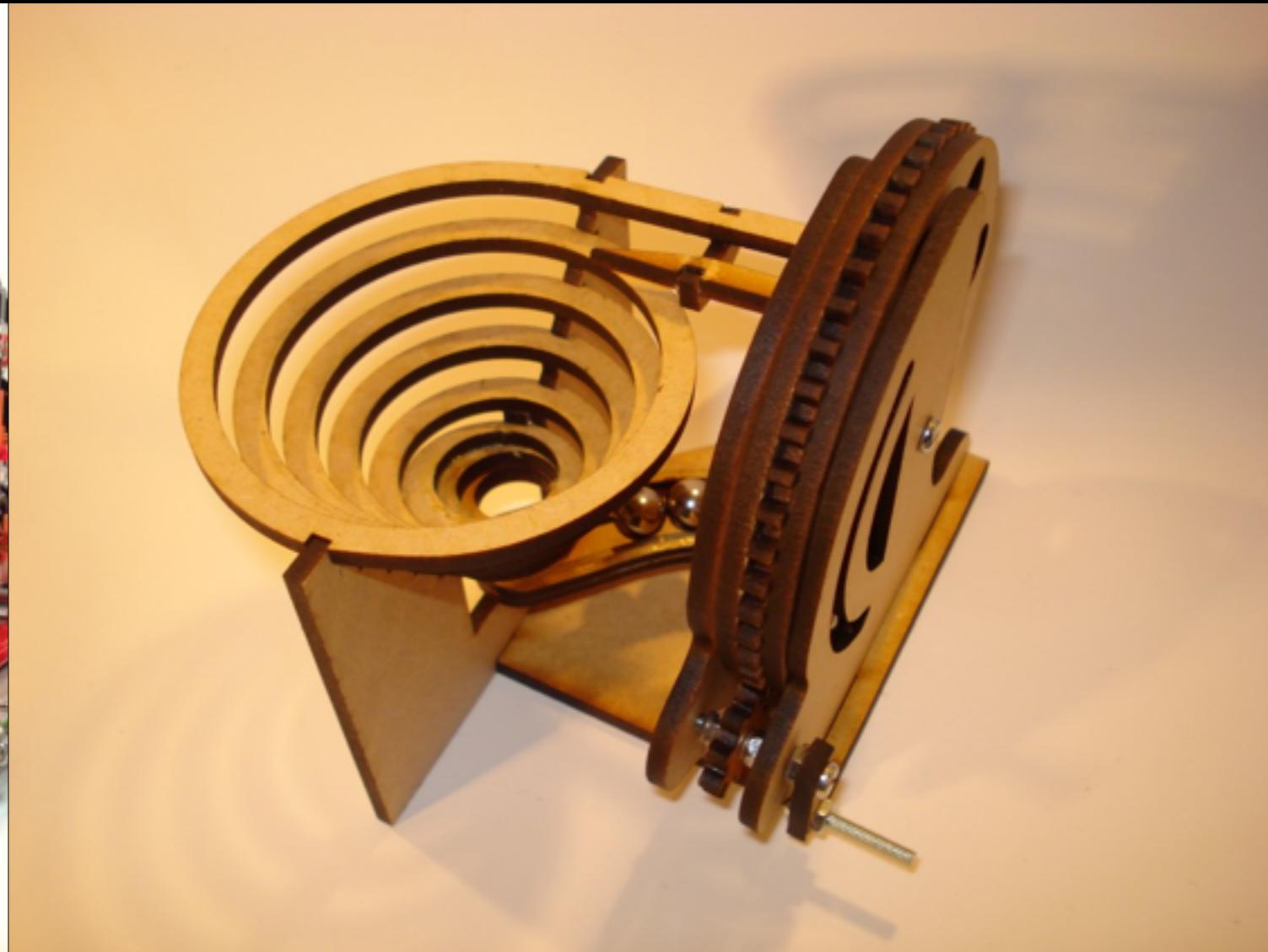
INTERACTING WITH THE PHYSICAL WORLD



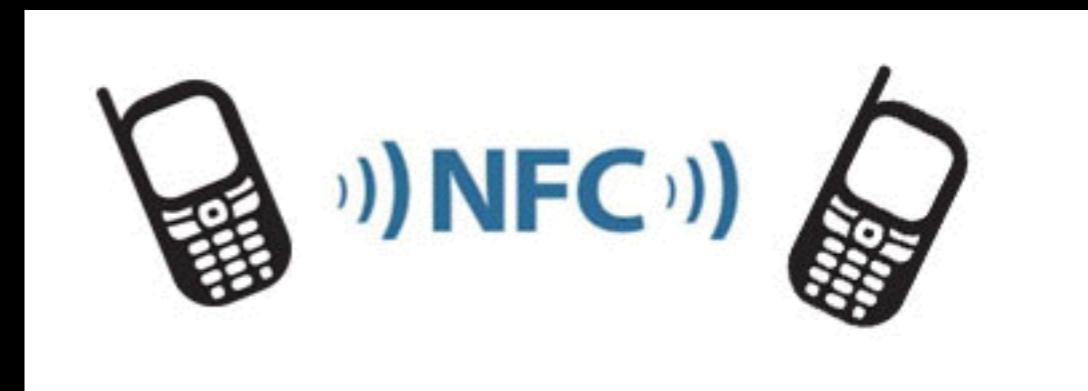
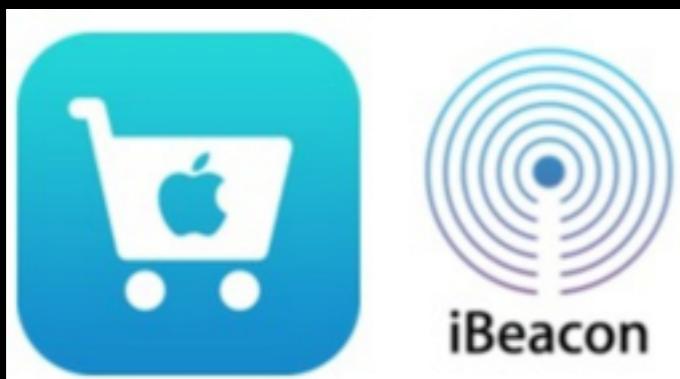
EXPLORING INTERACTION



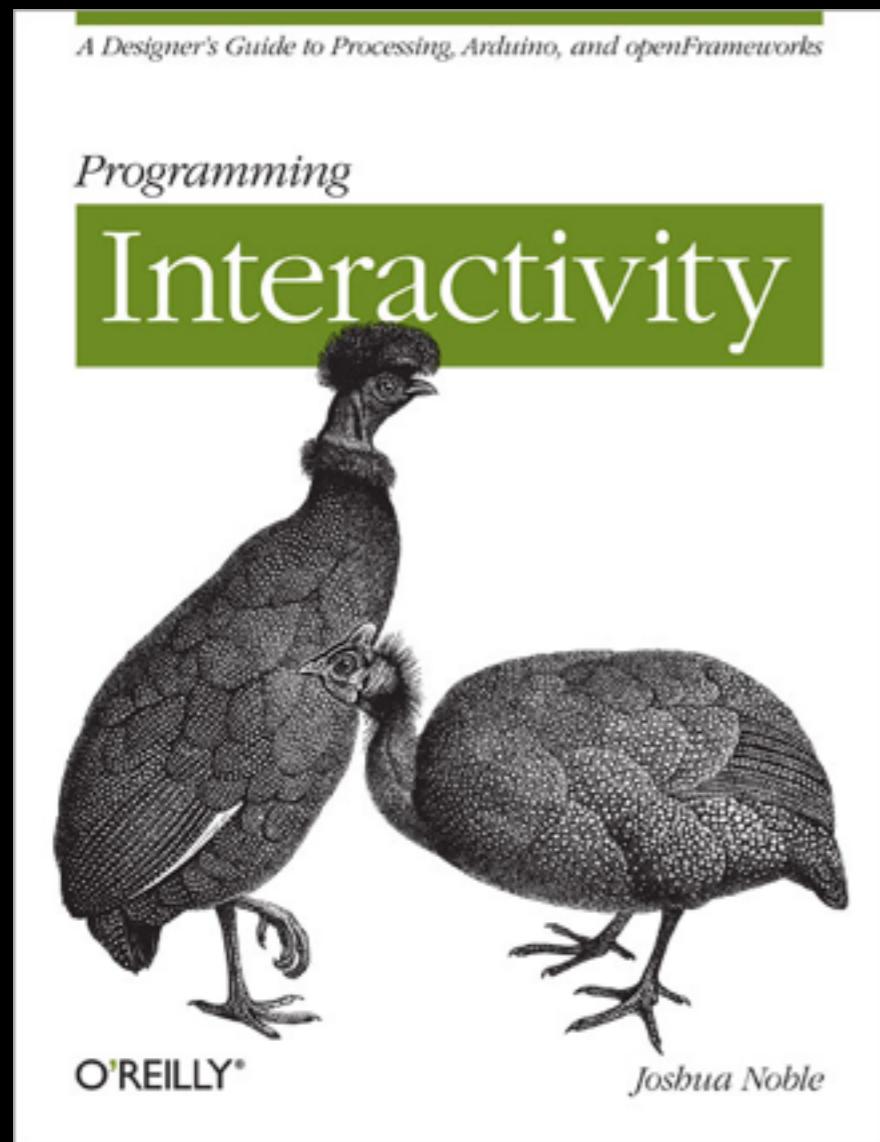
BUILDING INTERACTION



TALKING TO THE NETWORK

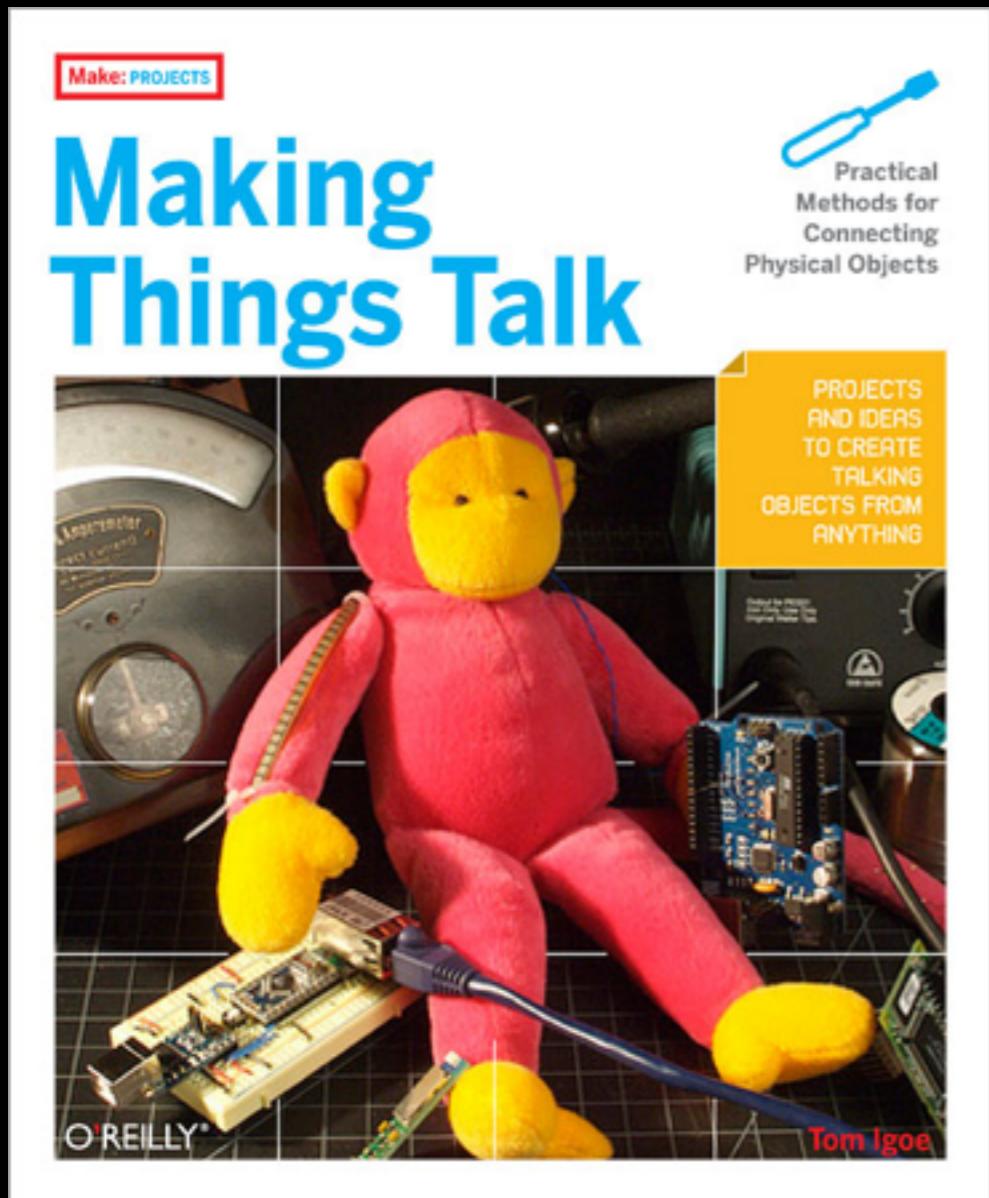


REFERENCES



Programming Interactivity
A Designer's Guide to
Processing, Arduino, and
openFrameworks
By Joshua Noble
Publisher: O'Reilly Media

REFERENCES



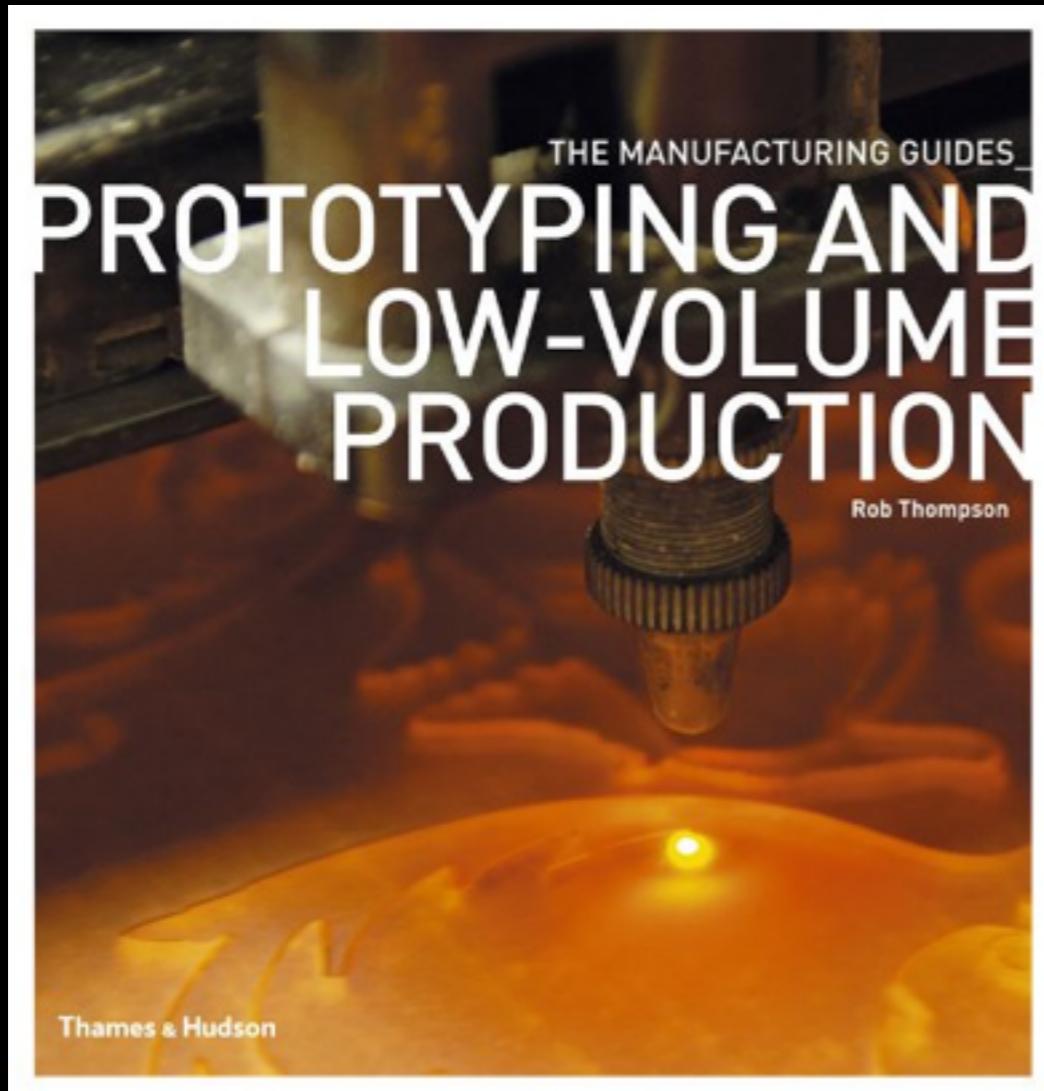
Making Things Talk
Practical Methods for
Connecting Physical Objects
By Tom Igoe
Publisher: Maker Media, Inc

REFERENCES



Making Things See
3D vision with Kinect,
Processing, Arduino, and
MakerBot
By Greg Borenstein
Publisher: Maker Media, Inc

REFERENCES



Prototyping and Low-
Volume Production
Rob, M.D. Thompson
Thames & Hudson

GITHUB WIKI

The screenshot shows a GitHub Wiki page for the repository `fivasile/newmedia`. The page title is "Home". At the top right, there are buttons for "Edit" and "New Page". On the left, sections include "Slides:" (with a list of "19/09/2014: Course Introduction"), "Assignments" (with "TBD"), and "Useful references" (with "TBD"). On the right, there's a sidebar with "Pages 1" (listing "Home"), a "Clone this wiki locally" section (with a URL "git@github.com:fivasile/newmedia.git" and a "Clone in Desktop" button), and a "Customize" sidebar on the far right.

Home · fibasile/newmedia Wiki

GitHub, Inc. github.com/fibasile/newmedia/wiki Reader

This repository Search Explore Gist Blog Help fibasile + ⌂ ⚙ ⌂

[fibasile / newmedia](#) Unwatch 1 Star 0 Fork 0

Home

fibasile edited this page a minute ago · 2 revisions

Welcome to the New Media Course wiki!

Slides:

- 19/09/2014: Course Introduction

Assignments

TBD

Useful references

TBD

+ Add a custom footer

Pages 1

Home

+ Add a custom sidebar

Clone this wiki locally

git@github.com:fibasile/newmedia.git

Clone in Desktop

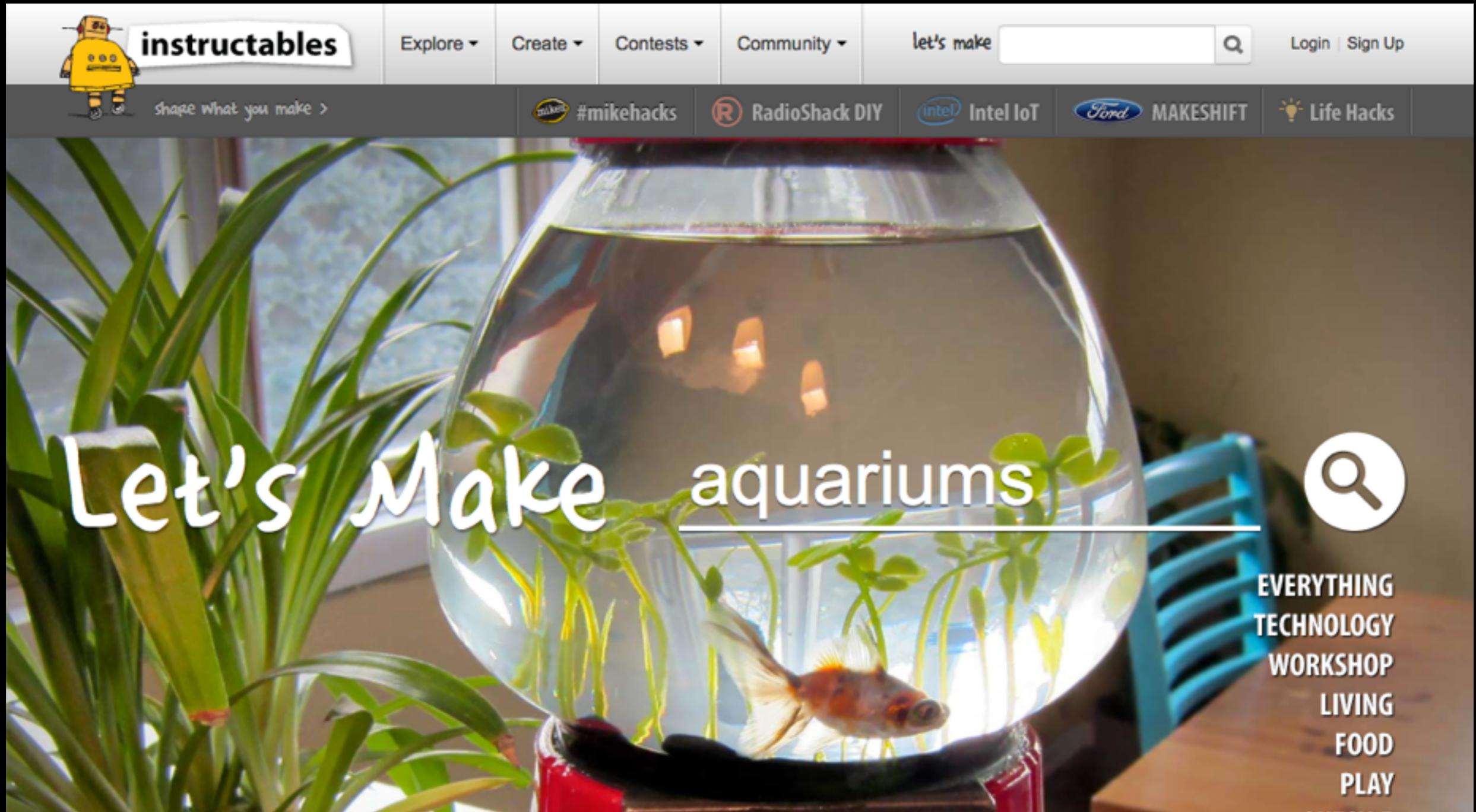
+ Add a custom footer

<https://github.com/fibasile/newmedia/wiki>

ASSIGNMENTS

- QUICK EXERCISES FOR EACH LESSON
- FINAL PROJECT INTEGRATING ALL TOPICS
 - MUST BE A PHYSICAL OBJECT OR INSTALLATION
 - MUST DOCUMENT THE PROCESS, INCL. MISTAKES
 - MUST BE DOCUMENTED AS AN INSTRUCTABLE

INSTRUCTABLES



<http://www.instructables.com>

EVALUATION

- Quality of the final project
- Number of technologies used
- Quality of the documentation

ADVICE

- KEEP IT SIMPLE
- BE CREATIVE AND ORIGINAL
- SCHEDULE TIME IN ADVANCE
- FAIL EARLY, FAIL OFTEN
- DOCUMENT EVERYTHING WHILE YOU DO IT