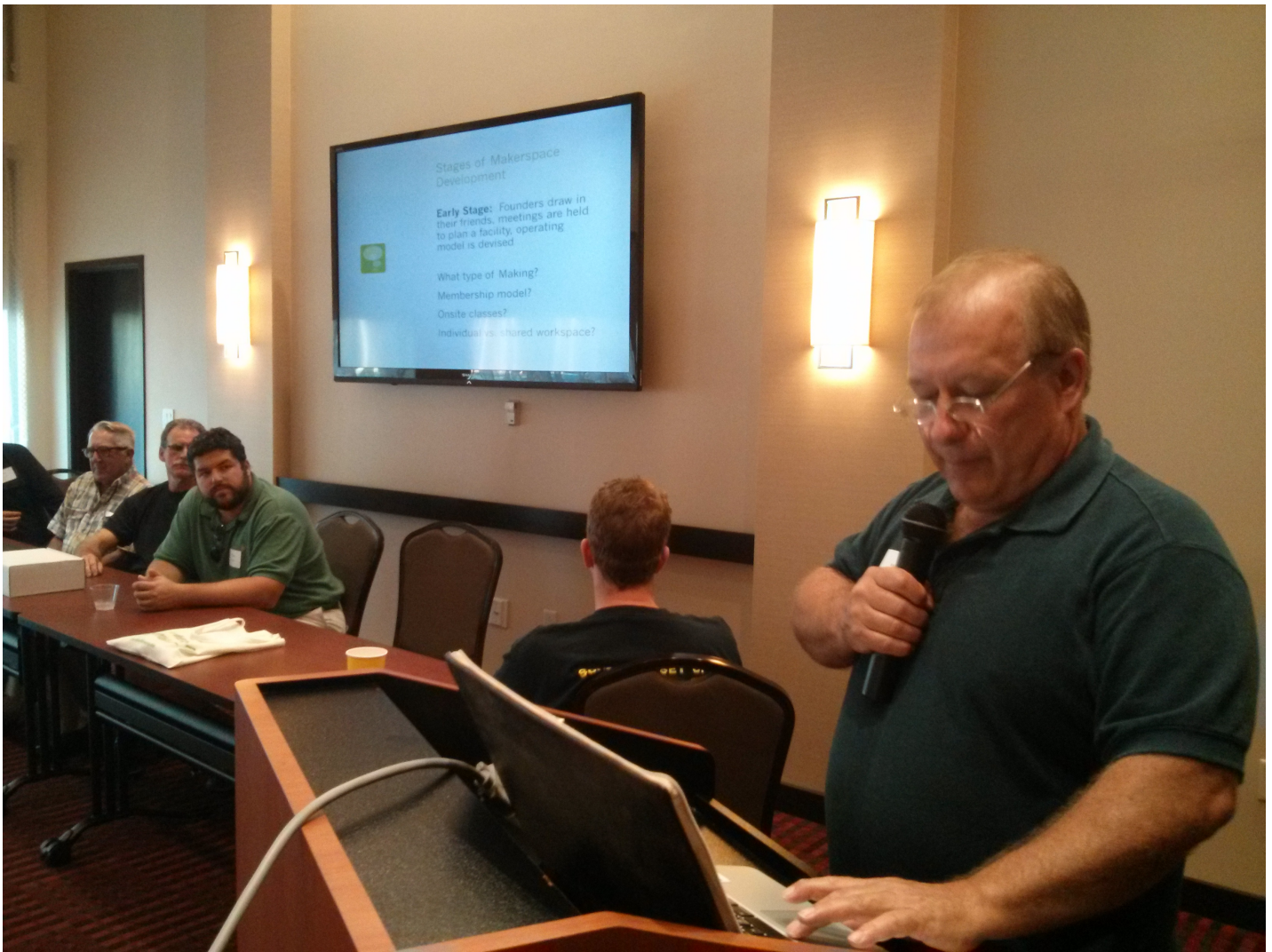


Startup Delray: Makers on the Move - June 17, 2013









Making it in Massachusetts

Matt Trask

What is a Makerspace?

A focus on the creation of things and the manipulation of physical objects. Notes a sizable hole which exists in Florida since the departure of IBM.

Currently seeing ourselves out an economic downturn similar to what was experienced in the 80's. Coming out of this slump in the 80s, personal computers were noticed. Personal robotics is being positioned similarly in our current resurgence.

Purpose of a Makerspace?

- Creative stimulation
- Collaboration
- Education

What makes a makerspace?

- Shared facilities/services: whiteboards, couches, coffee, CNC machines, laser cutters, 3d printers, welding, mechanical and electrical tools
- It's a workshop! A collaborative workshop.

How do makerspaces form?

- Small fiver group of founders meeting informally
- [meetup.org](https://www.meetup.org)
- Landlord funded makerspaces
- Corporate model, like a healthclub
- Community/Corporate sponsorship

Early-stage Makerspace Development

- Founders draw their friends, meetings to plan facility, operating model devised
- Decisions for type of making to be done in the space, membership model, onsite classes, shared/individual workspace?
- Where to locate
- Examples
 - South Coast Innovator Labs (SCIL)
 - The Collaborative/Gateway Consulting
 - BOLT, boston
 - The Greek Group of Wester MA
 - Xylem

Growth-stage Makerspace Development

- Grows roots, stabilizes identity, location and member base
- Establish facilities, educational and social events
- "Makerspaces serve as a workspace, clubhouse, social hub and trianing center. The more functions the space serves, the more attractive it is to the community and the more the community bonds to it. In some cases, members actually move closer to these locations."
- Establish systems for billing, account, web dev, member management, payroll for staff/instructors
- Examples:
 - Industry Lab (Cambridge),
 - Artisan's Asylum (Somerville)
 - Landlord initiated offers of space to lease, incubator area, accelerator programs, generating profitable business

Mature-stage Makerspace Development

- When and how to grow
- Spin-off companies
- Leadership succession
- Relocate in new locations
- Examples:
 - Fab Lab
 - South End Technology Center (SETC)

- Mobile Lab, Roxbury

Economic Development Potential

- Job Creation
 - Facility Staff
 - Startups/Tenant Companies
- Capital Attraction
 - Venture Funding
 - Kickstarter, IndieGoGo
- Grant Potential
 - DARPA
 - National Science Foundation
 - Foundations
 - Workforce Development Funding
 - SBIR Grants

Conclusions

- Create a makerspace directory
- Subscribe to MAKE Mag

Reference Whitepaper: [Makerspaces in Boston](#)

Hacklab at North Boynton

Scott Conley

Where are our friends?

They're hanging out at microbreweries and makerspaces!

What's going on in North Boynton?

Landlord-funded coop with a space that's fit to share. We are using the extra space (of the 3300 sq ft that we don't need) to start a makerspace with a focus on the electrical sciences.

We want things that you can plug in and tell what to do.

<http://hacklabnobo.org>

Miami Made

Ric Herrero

foster a sustainable maker culture in the greater Miami area. Part thinktank and advocacy group that enriches urban manufacturing/farming and craftsmanship

starting July 12, Monthly Makeathon

South Florida Mini Makerfaire to occur around mid-November

Makers Square in Ft Lauderdale

John McNulty

- Opens in a month
- Gets together with other South Florida "burners"
- Circus Basura... made completely of recycled parts and trash. 10 year plans for makerspaces will position them as the alternative educational and social outposts of the future.

Think, Build, Believe

Nicholas Monaco

A full feature documentary that will follow several schools and students as they compete in the FIRST Robotics Competition.

Kickstarter campaign starting soon.

<http://www.thinkbuildbelieve.com/>

Q&A

Why is the turn out for this event a generally older demographic?

Older vs Younger:

Younger generations have not experienced wood shop and other hands-on craft experiences and have a hard time intuiting the value from these experiences. The older generation recognizes this opportunity and should focus on bringing the younger generation to the table.

Male v Female:

Makers Square is focused on textiles because there's a large population of women who are coming from textiles with an interest in welding and other maker arts. Consider this aspect with organizing events and activities in your space?

What has been your collective experience with incorporating existing for-profit businesses established in the community?

Maker Square is right next to Home Depot. Use organizations like these to form local partnerships and and setup local tests that could be replicated across other locations in the US. Collaborate with local businesses to get makerspace communities in on group-buying.

With maker leaders at the table together, what is your hope from each other looking forward and what is your hope from motivated individuals in the community?

- Branding of the idea of a Makerspace. Spread this idea before you focus on promoting your individual space
- Collaboration and participating accross the community. PB LED getting assistance from FamiLab in Orlando is a great example of this.
- Supporting makerspaces every 20 miles along our South Florida cooridor allows us to be cooperative instead of competitive.
- Share information!
- Organization will be important. Having specific goals and metrics that can be "checked off" will help build momentum more quickly toward them.
- Build community and connections. Makerspaces will become unique talent agencies. As small businesses start approaching makerspaces for help developing their idea, makerspaces should focus on establishing those connections and giving people a reason to stay in our South Florida community.