

# Media Ventures

MAS.664J / 15.376J

Exploring Media Lab  
Entrepreneurship &  
Digital Innovations

Spring 2013  
Thurs! 10am-12noon  
Media Lab E14-633

Professor Sandy Pentland  
Joost Bonsen

First Class -->  
Thurs Feb 7th 10am

<http://stellar.mit.edu/S/course/15/sp13/15.376/>

**Syllabus** – Media Ventures – Media Lab Entrepreneurship & Digital Innovations is a project-oriented Action Lab addressing the top challenges of humanity – e.g. health, education, energy, environment, and governance – through new media innovations.

**Seminar Description** – Media Ventures is the flagship course of the Media Lab Entrepreneurship Program. The course is a blend of entrepreneurship and media technology, with an emphasis on the intersection of both areas and entrepreneurship based on Media Lab research, consulting in a team project.

**Alum Case Studies Include...**

**Core Themes** – This year we will be especially emphasizing social networks, quantified society, trust, privacy & info-rights, and “Big Data” analytics.

**Expected Student Deliverables** – Students pick one of three term project options, all having some degree of one or the following technologies or a compelling opportunity of their choosing, but each at a different level of analysis:

1. **Media & Business Plan** for either an existing or emerging technology or service to be commercialized or related to the emerging technology or industry changes, or
2. **Product & Business Model** for a new or existing technology or service, or
3. **Global or Innovative Business Model** for a new or existing technology or service, or

For past students, these analyses have been the basis for future research, publications, and new ventures. The assignments require students to work in teams of their choosing or within and across teams of their choosing. The assignments are designed to be completed in the three weeks of the course, with the final deliverables due at the end of the course.

**General Info** – jbonsen@alum.mit.edu  
Class Website – <http://stellar.mit.edu/S/course/15/sp13/15.376/>

Media Ventures (MV)  
is centrally about

1. Emergent Tech Innovations
2. Live-Case Studies
3. Hands-On Action Projects

“Mens, Manus et Media”

## Instructors



Alex (Sandy)  
Pentland



Joost  
Bonsen

## Emerging Media Themes include...

- Emerging Media Innovations
- Deployed Globally
- Quantified Self & Society
- Media Meets Math
- Social Incentives
- Big Data
- Computational Social Science
- City Science & Urban Informatics
- Smart, Personalized, Pervasive
- Data & Privacy Rights
- ...and more!

## Invention + Entrepreneurship → Innovations

- Accelerating Ideas into Impact
- Transforming Society
- Entrepreneurship = Org’n Building  
– Both For Profit or Non-Profit
- Founding Ethos of MIT...



<http://mitlibraries.mit.edu/learning/innovation/15sp13/15.376/>  
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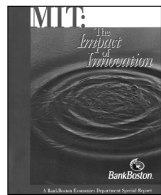
## MIT Alumco Venture Legacy



~ US\$ Hundreds of Billions in Market Valuation

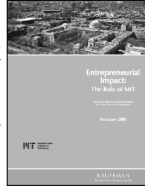
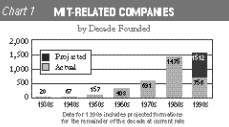
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## MIT Alumni Venture Impact



In 1997  
4,000 companies  
> 1 Million employees  
~\$250 Billion sales

Today  
Over 25,800 active companies  
> 3.3 Million employees  
~\$2 Trillion world sales



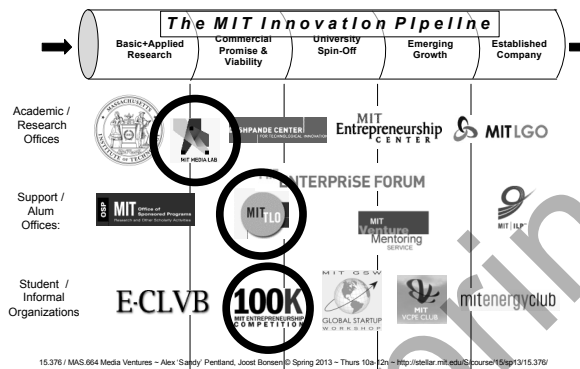
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## Phases of Innovation @ MIT



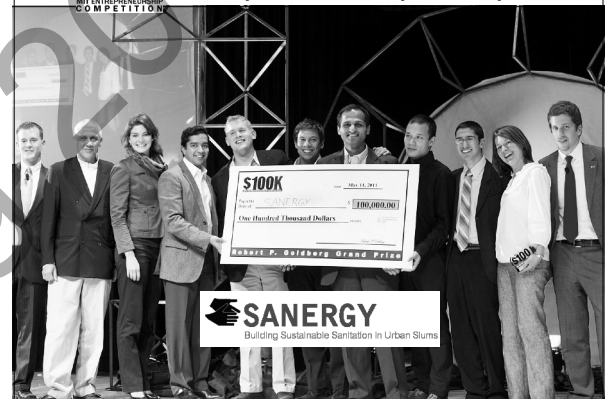
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## Our MIT Internal Ecosystem

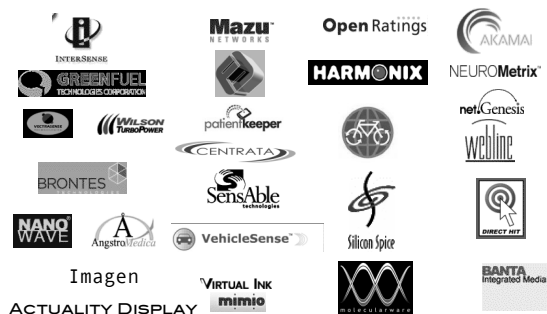


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## MIT 100K Entrepreneurship Competition

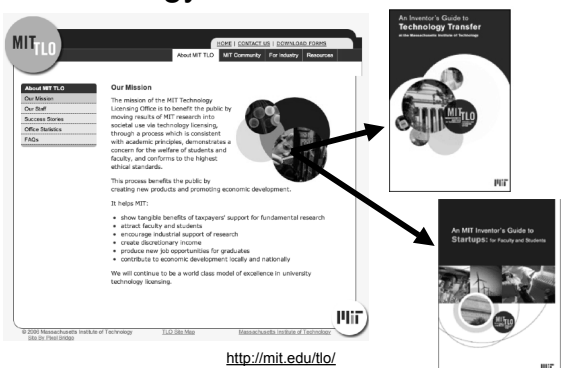


## MIT \$100K Alumni Companies



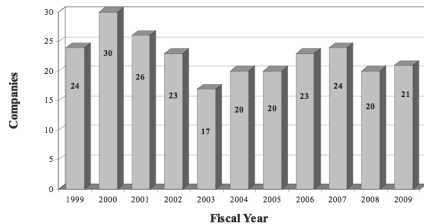
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## Technology Transfer via MIT TLO



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## MIT Licenses to Start-ups



Source: Jack Turner, Associate Director, M.I.T. Technology Licensing Office

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## IP Considerations

- Understand status of your intellectual property (IP) – i.e. yours, MIT's, someone else's
- For our class and IdeaPitches, describe *What* and *Why*, but avoid deep detail on *How*
- Visit TLO website
  - <http://web.mit.edu/tlo/www/>
- Lemelson-MIT Inventors Handbook
  - <http://web.mit.edu/invent/h-main.html>
- Joe Hadzima from IPVision
  - <http://www.see-the-forest.com/>

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### MIT Media Lab

## Media Lab-Related Ventures

Key Historic Examples Include...

<http://www.media.mit.edu/sponsorship/spin-offs>

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### MIT Media Lab

## From Ideas to Demos to Impact

	Concepts & Ideation	Proto-Crafting & Iteration	Working Demos	Proto-Scaling & Testbeds	Spin Out via Intra / Entre
<b>Number New per Year Lab-wide</b>	100s to 1,000s	100s	Dozens	Now More Living Labs 5-15	Impact or Irrelevant 3-8
<b>Historical &amp; Current Examples</b>	Too Many to List!	1-3 Dozen per Group per Year	LuminAR, DxMirror, Fabro, Femtocam, Cyberbullying, PlacePulse...	FunF, Netra, Barter, Scratch, Doppelab...	sourcecam, affectiva, sifted, bluefin, inner scope, sociometric solutions
<b>New Mechanisms, Classes, Support</b>	ThinkerTools, Drinks'n'Thinks...	Hackathons, Cross-Group Projects, SIGs...	Festivals (FoL), OpenHouse (RR), Workshops...	Scaling Funds, Field Tests, DevKits, Fab Support...	ML Runway, Venture Post-Grad, Incubation Funds, Startup Network...
		Academic, Pre-Commercial			Commercial

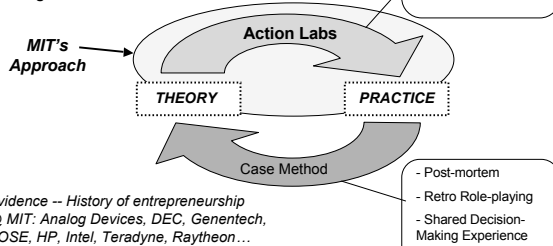
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## MIT Action Labs

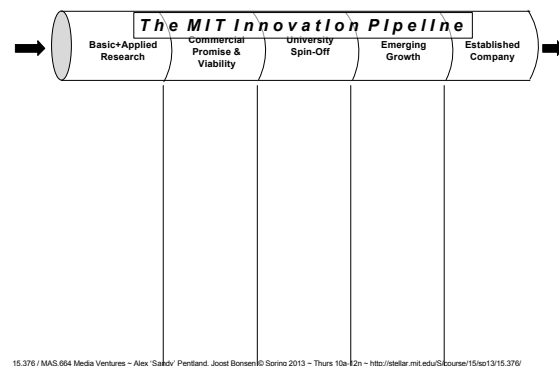
Inspired by "Mens et Manus"

**Action Lab Team-based Action Learning** -- Combined with reflective analysis, an essentially MIT-style of learning

**Practice with the MIT Innovation Pipeline as our Living Lab**



## Phases of Innovation @ MIT



# Action Labs @ MIT

Both For-Credit Curricular & Non-Credit Extracurricular Offerings

The diagram illustrates the progression of Action Labs through five stages: Basic+Applied Research, Commercial Promises & Viability, University Spin-Off, Emerging Growth, and Established Company. These stages are grouped into three categories: Tech (Basic+Applied Research), New Enterprises (Commercial Promises & Viability, University Spin-Off, Emerging Growth), and Global Entrepreneurship Lab (Established Company). Specific labs are listed under each stage.

Basic+Applied Research	Commercial Promises & Viability	University Spin-Off	Emerging Growth	Established Company
Tech Testbeds MIT VentureShips MarketLabs 15.399 Entrepreneurship Lab	New Enterprises Tiger Teams	Global Entrepreneurship Lab MIT MBA Teams Delivering Value Globally	Africa Health Delivery Lab India Lab China Lab	S-Lab Leadership Lab
D-Lab Energy, ICT, Health, Cycles, Design... Imaging & Fabrication Ventures Neuro Ventures	D-Lab Development Ventures, Dissemination Media Ventures			

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<http://stellar.mit.edu/S/course/MAS/sp13/MAS.533/index.html>  
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<http://assuredlabor.com>

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## Media Ventures Alum

### (1) Business Plan

- **StoopSwap** ~ Community Rental Network
- **everauthor** ~ Social Reading, Shared Comments
- **Mi Clinica** ~ Affordable Care Clinics (Mexico)
- **FitFriends** ~ Health Club Engagement Tools **everyfit**
- **HotSpot** ~ Parking Spot Market
- **Imprezo** ~ Presentation Coachware **JA Poll Everywhere**
- **MyDateMistake** ~ Dating Stories Site
- **peerTransfer** ~ International Money Movement **peertransfer**
- **PerfectSight** ~ Mobile Eye Prescription App **EYENETRA**
- **PickUp** ~ Social Game for Dating
- **Red Ink** ~ Personal Analytics Tools **Ginger.io**
- **WiseArrow** ~ Not Creepy Dating Site
- **Zocalo** ~ Community Food Marketplace **PLOVCH**

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## Media Ventures Alum

### (2) Strategic Analysis

- **Comcast** Response to Online Video
- **Philips** Media for Creative Lifestyles
- Social Analytics at **Lockheed Martin**
- **Cisco** Prototype Testbeds
- **Natura** Prioritizing ML Engagement

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## Media Ventures Alum

### (3) Innovation Roadmap

- **Mobile Claims** Assistance
- **Keep It Real** ~ Financial Purchase Advisor
- Future of **Online TV**
- Democratizing **Telemedicine**
- **Education** Platform 2015
- **Sound Matters** ~ Future of Digital Audio Technology
- **Tecos** ~ Tween Ecosystem
- **Quantified Self** ~ Evaluating All Measuring Tools
- Evolution of **Radio on Demand**
- **Brazilian Mobiles** Industry
- **Promise of Sleep** ~ Monitoring & Education for Insomnia
- **Sociometers** for Recruiting & Training
- Future of **Augmented Reality**
- **One World** ~ A Journalism Roadmap

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## The MIT \$100K Entrepreneurship & MIT IDEAS Global Challenge

- **Elevator Pitch Competition** -- October
  - 1 minute, \$1000 (October)
- **Executive Summary ACCELERATE Competition** -- November
  - 2 pages, \$1000 + Prototyping
  - Announced Tues 2/19, Location TBA
- **Business Plan Competition** -- Spring 2013
  - 2 page executive summary + 12 slide deck DUE 3/22!
  - \$100k Grand Prize + Track Prizes
  - <http://www.mit100k.org/>
- **IDEAS Global Challenge**
  - Mid-Month Rolling Submission; Grant Funds
  - <http://web.mit.edu/ideas>

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## Calendar of Assignments

- **Instructor Meeting** -- Next Few Weeks
  - Mon, Tue Media Lab office hours + Thurs, Fri Muddy "office hours"
  - [jpbensen@alum.mit.edu](mailto:jpbensen@alum.mit.edu)
- **IdeaPitch PPT** -- Next Few Weeks
  - In Class, over time
  - At least one per person, even if on team
- **Teambuilding** -- Next Few Weeks
  - Stellar Interest List, Facebook group, \$100K Mixers, IDEAS Generator, etc
- **ExecSummary Doc & Core PPTs**
  - Rough First Draft -- Thurs 2/28
  - Get Our Feedback & Enter MIT \$100K Fri 3/22
- **Re-Drafts & Section Docs** -- Every Two Weeks
- **Finale Presentation PPT & Doc** -- Thurs 5/16

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## IdeaPitch Template

- Over coming weeks, use simple template to summarize What, Why, How, Who of your idea.
- One Slide for One *IdeaPitch*!
- Everyone does at least One *IdeaPitch*, but more are welcome.
- We encourage you to team up.

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IdeaPitch  
Template

## ProjectName

1. TYPE = Venture Plan, Strategic Analysis, or Roadmap
2. WHAT = Short general description; minimalist "elevator pitch"; specify what you do and approach you'll take;
3. WHY = Quantify the size of the problem; how many people need solutions; what does it cost them in time or money today;
4. HOW = What technologies or solutions will you or might you bring to bear on solving the problem;
5. OPEN = State your uncertainties; what do you need help on; what team members are you seeking...
6. WHO = First & Last Names, Institution & Program Affiliations, email addresses

February 2013 \* Project website (if you have one) \* Media Ventures 2013

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## Key Class Sites

- Stellar -- <https://stellar.mit.edu/S/course/15sp/13/15.376/index.html>
- FB -- <https://www.facebook.com/groups/378157115616640/>
- Truonex -- <http://www.truonex.com/>

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## Top Innovation Event Listings

- MIT Events
  - <http://events.mit.edu/>
- Fred Hapgood's Boston Science Lectures
  - <http://www.BostonScienceLectures.com>
- Xconomy Boston
  - <http://www.xconomy.com/boston/>
- Harvard Events
  - <http://events.college.harvard.edu/>
- Etc...

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## Next Steps

See you tonight?

Thur 2/7 Muddy 6-7pm (*Optional*)  
(21+)

Tue 2/12 Muddy 6-7pm (*Optional*)  
(21+)

Next Class Thurs 2/14, E14-633

Instructor Meetings by Appointment

[jpbensen@alum.mit.edu](mailto:jpbensen@alum.mit.edu)

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## Market Sectoral SIGs

*Addressing Giga-Challenges*

1. Health & Wellness
2. Cities, Energy & Sustainability
3. Creativity, Learning & Entertainment
4. Commerce & Financial Services
5. Civic, Social & Political

Other?

**Special-Sectoral Interest Groups out of Media Ventures**

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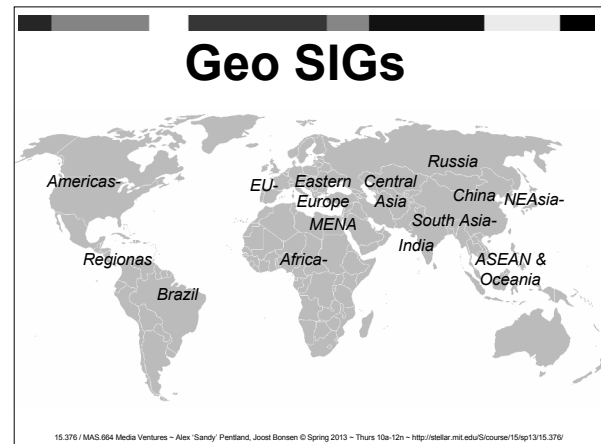
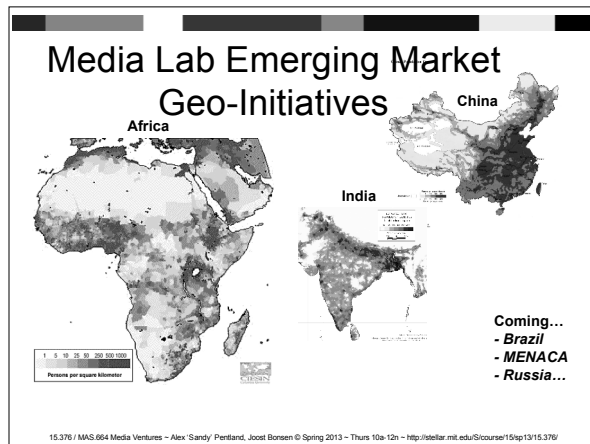
## Tech Sectoral SIGs

*Exploring the Commercialization Prospects of Emerging Technologies*

- Mobiles & Wearables
- UX/UI
- Apps & Appstores
- Big Data & Analytics
- Visualization
- ...
- Physiometrics & Quant Self
- Sociometrics & Social Sensing
- Urban Informatics
- Mass Customization
- Creativity Tools
- ...

**Special-Sectoral Interest Groups out of Media Ventures**

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### Summary MV Goals

1. **Connections**
2. **Awareness** of new Media Innovations
3. **Lessons-Learned** from Live-Cases
4. **Useful Deliverable(s) & Skills**
5. **Global Perspective**

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### Fin

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