

**EDUCATION**

- Massachusetts Institute of Technology**, Cambridge, MA.
- 2009 *PhD Candidate*, Tangible Media Group, MIT Media Laboratory.  
Forthcoming Thesis: *A Continuous Approach to Physical Design*.
- 2005 *Master of Science*. Thesis: *Design of Intelligent Interiors*.
- 2003 *Master of Architecture* Thesis: *Autonomous Pedestrian Interfaces for Community Networking*.

**Columbia University**, New York.

- 1999 *Bachelor of Arts*, Cum Laude. Architecture Major/Visual Arts Minor.

**WORK**

- 1/03- **MIT Media Laboratory**, Cambridge, MA.  
*Instructor* Graduate Course “Future Craft: Emerging Processes for Object Design”  
*Research Assistant* Tangible Media Group, Counter Intelligence Group (Kitchen of the Future).
- 9/01- **L.A.B. Consulting**, Cambridge, MA.  
*Principal* offering technology, product, fabrication, design, and marketing consulting to clients including France Telecom Research and Development (US), Dai Nippon Printing (Japan), Cleanup (Japan), Hanssem (Korea).
- 3/07- **Creative Synthesis Collaborative**, Cambridge, MA.  
*Board Member*, non-profit boutique research and educational organization.
- 6/00-9/01 **House\_n** (MIT House of the Future), Cambridge, MA.  
*Designer*, prototyped novel interactive worksurfaces for domestic applications.
- 10/97-5/99 **LOT-EK Architecture**, New York.  
*Construction Coordinator*, video projection room at the '99 Chicago Art Fair. *Lighting Designer*, “TV-TANK” exhibit at Deitch Gallery. *Architectural Intern*.
- 6/98-8/98 **Impresa Daniela Valentini** (Fine Art Restoration), Florence, Italy.  
*Restoration Intern*, repaired sculptures and uncovered frescoes.
- 6/97-8/97 **Baxter** (pharmaceutical plant), Sesto Fiorentino, Italy.  
*Facilities Intern*, installed an isolator, coordinated a laboratory relocation.
- 5/96-8/96 **Griswold, Heckel and Kelly** (interior architecture), Chicago.  
*Architectural Intern*, drafting, design, and field verification.

**AWARDS**

- 2008-9 **Highlands and Islands Enterprise Fellow**, MIT Media Lab, Cambridge, MA.
- 2007 **Honorable Mention/Technical Merit**, MIT Tech TV Showcase, Cambridge, MA
- 2006 **Finalist**, Kendall Square Interactive Design Competition, Cambridge, MA.
- 2005 **Director’s Grant**, MIT Council for the Arts, Cambridge, MA.
- 2004 **3rd Place**, ACM SIGGRAPH Student Research Competition, Los Angeles.
- 2003-4 **Mastercard Fellow**, MIT Media Lab, Cambridge, MA.
- 2001 **Grand Prix**, Hanssem International Interior Design Competition, Seoul.
- 2001 **Second Place** Medina International Magazine Smart Village Competition, Cairo.

## JOURNAL ARTICLES/BOOK CHAPTERS

*By a Long Land and a Long Sea Carriage: Unraveling the Reach of Product Design*, in *Thresholds: Journal of Visual Culture*, #35, Fall 2008 (Forthcoming).

*Living with Hyper-Reality*, in Yang Cai and Julio Abascal (eds.) *Ambient Intelligence in Everyday Life*, Lecture Notes in Artificial Intelligence, LNAI 3864, Springer, 2006.

*Re-Machining Domesticity: a Technological Subversion of Standards*. in *Thresholds: Journal of Visual Culture*, #19, Spring 2005, pp. 53-6.

*The Kitchen as a Graphical User Interface*. Short paper in *Art and Animation Catalog*, SIGGRAPH 2004, Los Angeles CA. reprinted in *Digital Creativity Journal*.

## MAGAZINE ARTICLES

*Exploring Feedback and Persuasive Techniques at the Sink*, in *ACM Interactions* Vol. XII.4, July/August 2005, pp. 25-8.

*Life is Hard, Home is Soft*. Grand Prix in the International Hanssem Interior Design Competition, 2001. Korean publications: *Concept* #30 (cover article), *Space Magazine* #219, *Design*, #205, *Plus*, #173. Japanese publication: *Axis*, January 2002, Tokyo.

## CONFERENCE PAPERS

*Tools for Collective Simulation*. In the *Proceedings of Web Science*, Athens, Greece, March 18-20, 2009 (Forthcoming).

*Wetpaint: Scraping Through Multi-Layered Images*. In the *Proceedings of Computer Human Interaction (CHI)*, Boston, MA, April 4-9, 2009 (Forthcoming).

*Design of Haptic Interfaces for Therapy*. In the *Proceedings of Computer Human Interaction (CHI)*, Boston, MA, April 4-9, 2009 (Forthcoming).

*Stop-Motion Prototyping for Tangible Interfaces*. In the *Proceedings of Tangible and Embedded interaction (TEI)*, Cambridge, UK, February 13 -16, 2009 (Forthcoming).

*Spine Builder: a Tangible Interface for Designing Hyperlinked Objects*. In the *Proceeding of Tangible and Embedded interaction (TEI)*, Cambridge, UK, February 13 -16, 2009 (Forthcoming).

*Future Craft: How Digital Media is Transforming Product Design*. In the *Extended Abstracts of Computer Human Interaction (CHI)* Florence, 5-10 April 2008.

*HandSaw: Tangible Exploration of Volumetric Data by Direct Cut-Plane Projection*. In the *Abstracts of Computer Human Interaction (CHI)* Florence, 5-10 April 2008.

*Renaissance Panel: the Roles of Creative Synthesis in Innovation*. In the *Extended Abstracts of Computer Human Interaction (CHI)* Florence, 5-10 April 2008.

*Affective TouchCasting*. In the *Extended Abstracts of SIGGRAPH '06*, Boston.

*A Framework for Haptic Psycho-Therapy*. In the *Extended Abstracts of IEEE ICPS Pervasive Health Systems*, Lyon, France, 2006.

*PlayPals: Tangible Interfaces for Remote Communication and Play*. In the *Extended Abstracts of Computer Human Interaction (CHI)* Montreal, 22-27 April 2006.

*TapTap: A Haptic Wearable for Asynchronous Distributed Touch Therapy*. In the *Extended Abstracts of Computer Human Interface (CHI)* Montreal, 22-27 April 2006.

*KitchenSense: Augmenting Kitchen Appliances with a Shared Context using Knowledge about Daily Events*. In the *Abstracts of Intelligent User Interfaces (IUI) '06*, Melbourne, Australia.

*Waterbot: Exploring Feedback and Persuasive Techniques at the Sink.* In the Abstracts of Computer Human Interaction (CHI), Portland, OR, 2005.

*Cooking with the Elements: Intuitive Immersive Interfaces for Augmented Reality Environments.* In the Abstracts of INTERACT '05, Rome, Italy.

*Dishmaker: Personal Fabrication Interface.* In the Extended Abstracts of Computer Human Interaction (CHI), Portland, OR, 2005.

*Counter Intelligence: Augmented Reality Kitchen.* In the Extended Abstracts of Computer Human Interaction (CHI), Portland, OR, 2005.

*Attention-Based Design of Augmented Reality Interfaces.* In the Abstracts of Computer Human Interaction (CHI), Portland OR, 2005.

*Smart Sinks: Real World Opportunities for Context-Aware Interaction.* In the Abstracts of Computer Human Interaction (CHI), Portland OR, 2005.

*A Framework for Designing Intelligent Task-Oriented Augmented Reality User Interfaces*  
In the Abstracts of Intelligent User Interfaces (IUI) 2005, San Diego CA.

*Origami Desk: Integrating Technological Innovation and Human-Centric Design.* In the Abstracts of Design of Interactive Systems (DIS) '02, London. In the Extended Abstracts of SIGGRAPH 2001.

*Designing a DNA for Sustainable Architecture: A New Built Environment for Social Sustainability.* Sustainable Development Through Smart Growth, Manila, 2001 and Int'l Conference on Design & Nature, 2002, Udine, Italy.

## GROUP EXHIBITIONS

**Collisions 10** Art Interactive Gallery, Cambridge MA Nov. 18-Dec. 3, 2006.

**Sartorial Flux** A+D Gallery, Chicago IL Sep. 7- Oct. 21, 2006.

**Seamless Fashion Show** Boston Museum of Science, Feb 2, 2006.

**Collisions 9** Art Interactive Gallery, Cambridge, MA, Jan 28-Feb 12, 2006.

**SIGGRAPH 2001 Emerging Technologies**, Los Angeles Convention Center, August, 2001.

**The Art of Memory: Holocaust Memorials in History**, Jewish Museum, New York, 1994.

## INVITED TALKS + WORKSHOPS

**Italian Cultural Institute**, New York, November 7, 2008, 'Digital Restoration.'

**Hallmark Think fwd>>**, Kansas City, August 5, 2008, 'Personal Archaeology.'

**Nuova Accademia di Belle Arti (NABA)**, Milano, April 27, 2008, 'Fashion Metamorphosis.'

**Hofstra University**, New York, March 27, 2008. 'Smart Objects/Smart Spaces.'

**Pratt Institute** New York, Nov. 16, 2007. 'Blogjects.'

**Moda+Tecnologia** Florence, Italy, Dec 5 2005. 'Fashion on Demand.'

**ACADIA** conference, Cambridge, Ontario, Nov. 2004. 'Fabricate This.'

**CSK CAMP** Keihanna, Japan, August 2004. 'Summer House.'

## BOOK PRESS

*Interactive Architecture*, Michael Fox and Miles Kemp, Editors. Princeton Architectural Press, 2009 (Forthcoming).

*Fashionable Technology*, Sabine Seymour, Editor. Springer, 2008.

**NEWSPAPER & MAGAZINE PRESS**

“Tomorrow Arrives” in *arsSutoria*, Issue #344, February 2008, pp. 170.

Staedter, Tracy. “Yo! Turn Me Off!” in *Fast Company*, Issue 107, page 40.

“Finies, les corvées de vaisselle? (Washing Dishes, Over?)” in *Stuff France*, April 2007, page 69.

Cassidy, Tina “Who needs a hug?” in *The Boston Globe*, February 2, 2006.

Schwab, Emily “Even the kitchen sink” in *The Boston Globe*, May 4, 2005.

Martino, Francesca. “DishMaker: la macchina che fa i piatti (DishMaker: the machine that makes dishes)” In *Corriere Della Sera* (Italy), 17 October 2005.

Curtis, Jack. “Dishes on Demand: A Media Lab device created and recycles tableware on the fly.” In *Technology Review*, October 2005, page m9.

“Inventata una macchina che ricicla i piatti di plastica (A machine that recycles plastic plates has been invented)” in *Newton* (Italy), November 18, 2005.

Sample, Ian. “Chips with everything” in *The Guardian*, February 5, 2004.

**TELEVISION & RADIO PRESS**

“Saturday Morning News” *CNN*, January 14, 2006.

“Mad Labs” *National Geographic Channel*, April 23, 2006.

“Kitchen Questions” on *The Splendid Table*, NPR, March 3, 2006.

“Il volo delle oche” Radio 24 (Italy), September 14, 2005.

“Dishmaking Machine: Recycling Imagination.” *HGTV Kitchen Design*.

“Kitchens of the Future.” *Discovery Channel Canada*, May 25, 2004.

“Cooking up a digital future.” *BBC World*, August 31, 2004.

“Future Kitchens” on *Shop Talk*, BBC Radio, May 4, 2004.

**BLOG PRESS**

“The secret life of MIT’s Media Lab robots” on Engadget, August 20, 2007.

“Can’t Cook? Employ the Intelligent Spoon” on Engadget, April 12, 2006.

“SmartSink is always the right height” on Engadget, February 15, 2007.

“Dishmaker: Never Wash Another Dish?” on Gizmodo, October 18, 2005.

“Night at the Media Lab: video” on BoingBoing, August 20, 2007.

“Machine Makes Dishes on Demand” by Kim Zetter on Wired News, October 12, 2005.

“The Intelligent Spoon” in MAKE blog, April 12, 2006.

“Computational Couture” in CNET, January 27, 2006.

“Waterbot and Feedback-Triggered Change” in Worldchanging, July 31, 2005.

“Fashion of the Future” in Forbes.com, March 15, 2007.