

BJÖRN HARTMANN

Assistant Professor, Computer Science Division
University of California, Berkeley
533 Soda Hall, Mailcode 1776
Berkeley, CA 94720-1776

+1 415 868 5720
bjoern@cs.berkeley.edu
www.cs.berkeley.edu/~bjoern

RESEARCH INTERESTS

Human-Computer Interaction, Design Tools, Physical Computing, Crowdsourcing.

My research in Human-Computer Interaction centers on authoring tools for designers and programmers. For expert designers, I am investigating how to create the ideal design studio of the future by harnessing new interface technologies. For amateur designers, I am developing structured ways of sharing tool expertise and knowledge using online platforms and crowdsourcing techniques.

EDUCATION

- Stanford University, Stanford, CA
09/2009 PHD in *Computer Science*
Advisor: Scott R. Klemmer
- University of Pennsylvania, Philadelphia, PA
12/2002 MSE in *Computer and Information Science*, BSE in *Digital Media Design*, summa cum laude
BA in *Communication*, summa cum laude, with minor in *Fine Arts*

EMPLOYMENT

- 01/2010 - PRESENT University of California, Berkeley, CA
Assistant Professor, Department of Electrical Engineering and Computer Sciences
Qualcomm Faculty Fellow
- 04/2008 - 06/2008 Microsoft Research, Redmond, WA
Research Intern
Research with Merrie Morris, Andrew Wilson, and Hrvoje Benko.
Designed, fabricated, and programmed a large interactive table for design teams.
- 09/2004 - 09/2009 Stanford University, Stanford, CA
Graduate Research Assistant & Course Assistant
Research with Scott R. Klemmer. Course assistant for Terry Winograd, Scott R. Klemmer, and John C. Mitchell.
- 01/2004 - 09/2004 IUT Montreuil, University of Paris-8, Montreuil, FRANCE
Research Engineer
Research with Catherine Pelachaud. Developed a framework to synthesize emotionally expressive gesturing behavior of embodied agents.
- 01/2003 - 12/2003 Contexterior Media, Amsterdam, NETHERLANDS
Principal
Managed graphic design, distribution, and promotion of independent record label.
Designed and programmed online label textone.org. Recording artist and DJ.
- 06/2001 - 08/2001 University of Rome "La Sapienza," Rome, ITALY
Research Assistant
Research with Catherine Pelachaud. Developed a system to procedurally generate gestural animation for embodied agents using the MPEG-4 body animation standard.
- 01/2001 - 12/2002 University of Pennsylvania, Philadelphia, PA
Undergraduate Research Assistant & Teaching Assistant
Research with Norm Badler. Teaching assistant for Norm Badler, Joshua Mosley and Steven Lane in Computer Science; for Sharka Hyland in Fine Arts.

AWARDS AND HONORS

- 2011 CHI Conference Best Paper Honorable Mention (2x)
- 2011 Microsoft Faculty Fellowship Finalist
- 2011 Google Research Award
- 2010 Berkeley Presidential Chair Fellow
Teaching Improvement Award
- 2010-PRESENT Qualcomm Faculty Fellow
- 2010 Intel Seed Grant
- 2010 Willow Garage PR2 robot platform beta program winner
co-PIs: Pieter Abbeel, Trevor Darrell, Ken Goldberg, Jitendra Malik, Michael Jordan,
Claire Tomlin, Ruzena Bajcsy, Björn Hartmann
- 2010 UC Berkeley Townsend Center G.R.O.U.P. Funding for Summer apprenticeship
- 2010 UC Berkeley Townsend Center Course Thread on Human-Centered Design
Undergraduate Education Grant, with Greg Niemeyer
- 2010 UIST Conference Best Student Paper Award (First Author: Michael Bernstein)
- 2010 CHI Conference Best Paper Honorable Mention
- 2008 UIST Conference Best Student Paper Award
- 2007 CHI Conference Best Paper Award
- 2006 UIST Conference Best Paper Award
- 2006-2009 Stanford Graduate Fellowship
- 2006 Stanford Centennial Teaching Assistant Award
- 2006 Color Field Camera: Best Flickr Project, Yahoo! Open Hack Day
- 2006 d.tools: 3rd place, Microsoft Research Silicon Valley Road Show
- 2004-2006 Stanford School of Engineering Fellowship
- 2002 Phi Beta Kappa honor society
- 1997-2002 University of Pennsylvania Dean's List

TEACHING EXPERIENCE

- SPRING 2011 UC BERKELEY CS160: User Interface Design
GSI: Anuj Tewari, Prayag Narula
- CS294-68: Crowdsourcing
Co-taught with Michael Franklin (EECS), Tapan Parikh (iSchool)
Student facilitator: Anand Kulkarni
- FALL 2010 UC BERKELEY CS260: Research Topics in Human-Computer Interaction
GSI: Lora Oehlberg
- CS298-48: User Interface Prototyping
Student co-organizers: Lora Oehlberg (ME), Niranjan Krishnamurty, Kate Smith (iSchool)
- CS298-50: Beyond the Mobile Phone
Seminar co-organized with John Canny
- SPRING 2010 UC BERKELEY CS160: User Interface Design
Co-taught with Maneesh Agrawala. GSIs: Kenrick Kin, Anuj Tewari
- CS298-48: User Interface Prototyping
Student co-organizers: Lora Oehlberg (ME), Niranjan Krishnamurty, Jessica Santana (iSchool)

FALL 2007 STANFORD UNIVERSITY	CS242: Programming Languages <i>Course Assistant for John C. Mitchell</i>
SPRING 2006 STANFORD UNIVERSITY	CS294H: Integrating Physical and Digital Interactions <i>Course Assistant for Scott R. Klemmer</i>
WINTER 2006 STANFORD UNIVERSITY	CS247: Human Computer Interaction Design Studio <i>Course Assistant for Scott R. Klemmer</i>
SPRING 2005 STANFORD UNIVERSITY	CS378: Phenomenological Foundations of Cognition, Language, and Computation <i>Course Assistant for Terry Winograd</i>
FALL 2002 U. OF PENNSYLVANIA	CSE399: Special Topics in Robotics and Computer Animation <i>Teaching Assistant for Steven Lane</i>
SPRING 2001 U. OF PENNSYLVANIA	CSE377: Virtual World Design <i>Teaching Assistant for Norm Badler and Joshua Mosley</i>
FALL 2001 + SPRING 2002 U. OF PENNSYLVANIA	FNAR265: Digital Imaging <i>Software Tutor (Photoshop, Illustrator, Quark) for Sharka Hyland</i>

GRADUATE ADVISING

PHD STUDENTS	Manas Mittal
PHD CO-ADVISING	Drew Fisher (EECS), Kenrick Kin (EECS), Lora Oehlberg (ME)

UNDERGRADUATE ADVISING

UC BERKELEY: 2011	Charlie Hsu, Matthew Can, Vidya Ramesh, Kehontas Rowe, Jasmine Jones
2010	Bella Manoim, Matthew Chan, Mark Dhillon, Vidya Ramesh
STANFORD: SUMMER 2009	Daniel MacDougall
SUMMER 2008	Antonio Ricciardi, Timothy Cardenas, Sean Follmer — Sean now at MIT Media Lab
SUMMER 2007	Loren Yu — CRA Outstanding Undergraduate Honorable Mention
SUMMER 2006	Manas Mittal — later MIT Media Lab, now Berkeley EECS
SUMMER 2005	Michael Bernstein — now at MIT CSAIL
SPRING 2005	Nirav Mehta — now at VMware

PUBLICATIONS

Please see the attached document for refereed and invited publications.

TALKS

PRESENTATIONS	How Bodies Matter. <i>Embodied Design Research Lab, Berkeley, CA, 1 February 2011.</i>
	Crowdsourcing and Human Computation. <i>RAD Lab, Berkeley, CA, 10 November 2010.</i>
	Understanding and Supporting Online Expertise Sharing. <i>Institute of Cognitive and Brain Sciences, Berkeley, CA, 10 October 2010.</i>
	Imbuing Design & Development Tools With Social Skills. <i>IBM Almaden Research Center, San Jose, CA, 19 May 2010.</i>
	Enlightened Trial and Error. <i>Qualcomm Research Silicon Valley, Santa Clara, CA, 18 February 2010.</i>

Collaborative Design Tools.

Computer Science Faculty Lunch, Stanford, CA, 24 November 2009.

Research Overview: Design & Development Tools.

Disney Research, Glendale, CA, 11 November 2009.

Crowdsourced Debugging.

Adobe Workshop, Stanford, CA, 27 October 2009.

Physical Computing: Inspiration, Tools & Research.

UC Berkeley INFO262 Guest Lecture, Berkeley, CA, 20 October 2009.

Enlightened Trial and Error.

IxDA - Interaction Design Association Conference, Vancouver, BC, 8 February 2009.

Job Talk: Enlightened Trial and Error.

Adobe Research, University of Calgary, Simon Fraser University - SLAT, UC San Diego, New York University, Microsoft Research Redmond, Brown University, Cornell University, University of Wisconsin-Madison, UC Berkeley, January - April 2009.

Redrawing the line between CPU and MCU.

Sketching in Hardware Workshop, Providence, RI, 27 July 2008.

The intersection between physical computing and web services.

O'Reilly Foo Camp, Sebastopol, CA, 13 July 2008.

Enlightened Trial and Error.

University of Washington DUB Lunch, Seattle, WA, 30 April 2008.

Enlightened Trial and Error.

MX Conference, San Francisco, CA, 22 April 2008.

Design as Exploration.

Adobe Systems, San Francisco, CA, 10 March 2008.

Enlightened Trial and Error.

UC Berkeley Design Futures lecture series, Berkeley, CA, 28 February 2008.

Enlightened Trial and Error.

University of Pennsylvania, Philadelphia, PA, 25 February 2008.

Prototypes and Mash-Ups: Tool Support for Rapid Off-the-Desktop Interaction Design.

Frog Design, San Francisco, CA, 21 May 2007.

Prototypes and Mash-Ups: Tool Support for Rapid Off-the-Desktop Interaction Design.

UC Berkeley IEOR170 guest lecture, Berkeley, CA, 7 February 2007.

Browse-Mash-Remix: Tools for rewriting the web.

Web Monday, Cooley Godward Kronish, Palo Alto, CA, 29 January 2006.

Prototypes and Mash-Ups: Tool Support for Rapid Off-the-Desktop Interaction Design.

Yahoo! Research, Berkeley, CA, 10 November 2006.

Prototyping Know-How: Rapidly prototyping active objects.

IDEO, Palo Alto, CA, 06 November 2006.

Reflective physical prototyping through integrated design, test, and analysis.

IBM Almaden Research Center, San Jose, CA, 25 October 2006.

Taking Mash-Ups beyond the Browser.

Silicon Valley Code Camp, Los Altos Hills, CA, 07 October 2006.

Ubiquitous Computing Mash-Ups. *Stanford BarCamp*, Stanford, CA, 27 August 2006.

Beyond APIs for buttons and sliders: Prototyping with integrated design, test and analysis.

Sketching in Hardware Workshop, Dearborn, MI, 25 June 2006.

d.tools - Rapid Interaction Prototyping for Information Appliances.

Stanford Computer Forum Human Computer Interaction Workshop, Stanford, CA, May 2005.

Krisztian Flautner, Trishul Chilimby, **Björn Hartmann**. Panel on Reality Checks for Energy Research. Workshop on Power Aware Computing and Systems (HotPower '09), Big Sky, MT, October 2009.

PANELS Thomas Dreier, Armin Medosch, Till Jaeger, Christiane Asschenfeldt, Lawrence Lessig, Michael Grob, **Björn Hartmann**. *Launch Panel for Creative Commons Germany*. Wizards of OS Conference 3, Berlin, June 2004.

Volker Grassmuck, Kristin Thomson, Wendy Selzer, **Björn Hartmann**, Karsten Kinsat. *Compensation Decentral Panel* at Free Bitflows Conference, Vienna, June 2004.

PROFESSIONAL ACTIVITIES

PROGRAM COMMITTEE MOBILE HCI 2011, CHI 2011, ITS 2010, CHI 2010, UIST 2009, IUI 2009, TEI 2009, TABLETOP 2008, UBICOMP 2008 DEMOS

REFEREE CSCW 2008-11, CHI 2005, 2007-2011, UIST 2005-2010, IUI 2008, SIGGRAPH 2004, 2011, SIGGRAPH ASIA 2010, SIGGRAPH ASIA ETECH 2009, IEEE SOFTWARE 2008, GI 2005, 2007, NIME 2005, GMOD 2005, GI 2005, ADS 2004, AAMAS 2004, , CASA 2004, SCA 2004

PANELIST NSF 2010

CHAIR CHI 2012 INTERACTION TRACK, WWW 2012 HCI TRACK, CSCW 2011 DEMONSTRATIONS (CO-CHAIR)

STUDENT VOLUNTEER CHI 2007 (PC MEETING), IUI 2005

MEDIA COVERAGE

Barras, Colin. *Touchscreen merges the real and digital worlds*. *New Scientist*, 1/22, 2010.

Saffer, Dan. *Designing Gestural User Interfaces*. O'Reilly, 2008. (d.tools & Exemplar)

Igoe, Tom. *Making Things Talk*. O'Reilly, 2008. (Exemplar)

Virtel, Martin. Qualität durch Basteln, *Financial Times Deutschland*, 2/23, 2006. (d.tools)

Roettgers, Janko. Labels ohne Platten, 2004. *WDR3* - German Public Radio Station.

Schenker, Jennifer L., New copyright grants artists greater license, *International Herald Tribune*, June 14, 2004.

PERSONAL

Editor for *Ambidextrous Magazine*, Stanford's Journal of Design. Creator of interactive art installations with Digital Dacha. Recording artist for record labels Background, Camomille, Mille Plateaux, Pokerflat, Regular, Textone, Tuning Spork. Citizen of Germany. United States permanent resident.

EXTERNAL REFERENCES

Scott R. Klemmer — Assistant Professor, *Computer Science, Stanford University*
srk@cs.stanford.edu, +1 (650) 723 3692

Terry Winograd — Professor, *Computer Science, Stanford University*
winograd@cs.stanford.edu, +1 (650) 723 2780

James Landay — Associate Professor, *Computer Science & Engineering, University of Washington*
landay@cs.washington.edu, +1 (206) 685 9139

Andrew D. Wilson — Senior Researcher, *Microsoft Research Redmond*
awilson@microsoft.com, +1 (425) 707 5207

BJÖRN HARTMANN — PUBLICATIONS

University of California, Berkeley
Electrical Engineering and Computer Sciences
629 Soda Hall, Mailcode 1776
Berkeley, CA 94720-1776

+1 415 868 5720
bjoern@cs.berkeley.edu
www.cs.berkeley.edu/~bjoern

REFEREED PUBLICATIONS

- CONFERENCE PAPERS 2011 Kenrick Kin, Tom Miller, Björn Bollensdorff, Tony DeRose, **Björn Hartmann**, and Maneesh Agrawala. Designing a Professional Multitouch Tool for Constructing Virtual Organic Environments. In Proceedings of CHI 2011: *ACM Conference on Human Factors in Computing Systems*. Vancouver, BC, 2011. (HONORABLE MENTION AWARD - IN PRESS)
- Lena Mamykina, Bella Manoim, Manas Mittal, George Hripcsak, and **Björn Hartmann**. Design Lessons from the Fastest Q&A Site in the West. In Proceedings of CHI 2011: *ACM Conference on Human Factors in Computing Systems*. Vancouver, BC, 2011. (HONORABLE MENTION AWARD - IN PRESS)
- Björn Hartmann**, Mark Dhillon, and Matthew Chan. HyperSource - Bridging the Gap Between Source and Code-Related Web Sites. In Proceedings of CHI 2011: *ACM Conference on Human Factors in Computing Systems*. Vancouver, BC, 2011. (IN PRESS)
- 2010 Michael S. Bernstein, Greg Little, Robert C. Miller, **Björn Hartmann**, Mark Ackerman, David Karger, David Crowell, and Katrina Panovich. Soylent: A Word Processor With a Crowd Inside. In Proceedings of UIST 2010: *ACM Symposium on User Interface Software and Technology*. New York, NY, 2010. (BEST STUDENT PAPER AWARD)
- Björn Hartmann**, Daniel MacDougall, Joel Brandt, and Scott R. Klemmer. What Would Other Programmers Do? Suggesting Solutions to Error Messages. In Proceedings of CHI 2010: *ACM Conference on Human Factors in Computing Systems*. Atlanta, GA, 2010. (HONORABLE MENTION AWARD)
- Björn Hartmann**, Sean Follmer, Antonio Ricciardi, Timthy Cardenas, and Scott R. Klemmer. d.note: Revising User Interfaces Through Change Tracking, Annotations, and Alternatives. In Proceedings of CHI 2010: *ACM Conference on Human Factors in Computing Systems*. Atlanta, GA, 2010.
- Björn Hartmann**, Meredith Ringel Morris, Hrvoje Benko, and Andrew Wilson. Pictionaire: Supporting Collaborative Design Work by Integrating Physical and Digital Artifacts. In Proceedings of CSCW 2010: *ACM Conference on Computer Supported Cooperative Work*. Savannah, GA, 2010.
- 2009 & EARLIER **Björn Hartmann**, Meredith Ringel Morris, Hrvoje Benko, and Andrew Wilson. Augmenting Interactive Tables with Mice and Keyboards. In Proceedings of UIST 2009: *ACM Symposium on User Interface Software and Technology*. Victoria, BC, 2009.
- Björn Hartmann**, Loren Yu, Abel Allison, Yeonsoo Yang, and Scott R. Klemmer. Design as Exploration: Creating Interface Alternatives through Parallel Authoring and Runtime Tuning. In Proceedings of UIST 2008: *ACM Symposium on User Interface Software and Technology*. Monterey, CA, 2008. (BEST STUDENT PAPER AWARD)
- Björn Hartmann**, Leslie Wu, Kevin Collins, and Scott R. Klemmer. Programming by a Sample: Rapidly Creating Web Applications with d.mix. In Proceedings of UIST 2007: *ACM Symposium on User Interface Software and Technology*. Newport, RI, 2007.
- Björn Hartmann**, Leith Abdulla, Manas Mittal, and Scott R. Klemmer. Authoring Sensor Based Interactions Through Direct Manipulation and Pattern Matching. In Proceedings of CHI 2007: *ACM Conference on Human Factors in Computing Systems*. San Jose, CA, 2007. (BEST PAPER AWARD)

Björn Hartmann, Scott R. Klemmer, Michael Bernstein, Leith Abdulla, Brandon Burr, Avi Robinson-Mosher, and Jennifer Gee. Reflective Physical Prototyping through Integrated Design, Test, and Analysis. In Proceedings of UIST 2006: *ACM Symposium on User Interface Software and Technology*. Montreux, Switzerland, 2006. (BEST PAPER AWARD)

Scott R. Klemmer, **Björn Hartmann**, and Leila Takayama. How Bodies Matter: Five Themes for Interaction Design. In Proceedings of DIS 2006: *ACM Conference on the Design of Interactive Systems*. State College, PA, 2006.

Björn Hartmann, Maurizio Mancini, and Catherine Pelachaud. Formational Parameters and Adaptive Prototype Instantiation for MPEG-4 Compliant Gesture Synthesis. In Proceedings of Computer Animation. Geneva, Switzerland, June, 2002.

JOURNAL ARTICLES Kenrick Kin, **Björn Hartmann**, and Maneesh Agrawala. Two-Handed Marking Menus for Multitouch Devices. *ACM Transactions on Computer-Human Interaction*, 2011. (ACCEPTED FOR PUBLICATION)

Stéphanie Buisine, **Björn Hartmann**, Maurizio Mancini, and Catherine Pelachaud. Conception et Evaluation d'un Modèle d'Expressivité pour les Gestes des Agents. *Revue en Intelligence Artificielle RIA édition spécial "Interaction Emotionnelle"*, 2006.

MAGAZINE ARTICLE **Björn Hartmann**, Scott Doorley, and Scott R. Klemmer. Hacking, Mashing, Gluing: Understanding Opportunistic Design. In *IEEE Pervasive Computing* 7(3), 2008.

BOOK CHAPTER **Björn Hartmann**, Leslie Wu, Kevin Collins, and Scott R. Klemmer. Programming by a Sample: Leveraging Web sites to program their underlying services. In A. Cypher, M. Dontcheva, J. Nichols (eds.), *No Code Required: Giving Users Tools to Transform the Web*. Morgan Kaufmann, 2010.

WORKSHOP PAPERS Siamak Faridani, **Björn Hartmann**, and Panos G. Ipeirotis. What's the Right Price? Pricing Tasks for Finishing on Time. In Proceedings of *HCOMP: the AAAI Workshop on Human Computation*. August 2011.

Lora Oehlberg, Ian Leighton, Alice Agogino, and **Björn Hartmann**. Teaching Human-Centered Design Innovation Across Engineering, Humanities and Social Sciences. In Proceedings of the *Mudd Design Workshop VIII*. May 2011.

Scott R. Klemmer, **Björn Hartmann**, and Leila Takayama. Interaction Design for Active Bodies: Two Themes. In Proceedings of CHI 2006: *ACM Conference on Human Factors in Computing Systems: Workshop on The Next Generation of Human-Computer Interaction*. Montréal, Quebec, April, 2006.

Björn Hartmann, Maurizio Mancini, and Catherine Pelachaud. Implementing Expressive Gesture Synthesis for Embodied Conversational Agents. In Proceedings of Gesture Workshop 2005. Springer, 2006.

Björn Hartmann, Maurizio Mancini, and Catherine Pelachaud. Towards Affective Agent Action: Modelling Expressive ECA Gestures. In Proceedings of IUI 2005: Workshop on Affective Interactions. San Diego, CA, January, 2005.

POSTERS & DEMONSTRATIONS Dhawal Mujumdar, Manuel Kallenbach, Brandon Liu, and **Björn Hartmann**. Crowdsourcing Suggestions to Programming Problems for Dynamic Web Development Languages. In Adjunct Proceedings of CHI 2011: *ACM Conference on Human Factors in Computing Systems*. Vancouver, BC, 2011. Poster.

Anand Kulkarni, Matthew Can, and **Björn Hartmann**. Turkomatic: Automatic Recursive Task and Workflow Design for Mechanical Turk. In Adjunct Proceedings of CHI 2011: *ACM Conference on Human Factors in Computing Systems*. Vancouver, BC, 2011. Poster.

David Wong, Siamak Faridani, Ephrat Bitton, **Björn Hartmann**, and Ken Goldberg. The Diversity Donut: Enabling Participant Control Over the Diversity of Recommended Responses. In Adjunct Proceedings of CHI 2011: *ACM Conference on Human Factors in Computing Systems*. Vancouver, BC, 2011. Poster.

Steven Dow, Anand Kulkarni, Brie Bunge, Truc Nguyen, Scott Klemmer, and **Björn Hartmann**. Shepherding the Crowd: Managing and Providing Feedback to Crowd Workers. In Adjunct Proceedings of CHI 2011: *ACM Conference on Human Factors in Computing Systems*. Vancouver, BC, 2011. Poster.

Björn Hartmann and Mark Dhillon. HyperSource - Bridging the Gap Between Source and Code-Related Web Sites. In Conference Supplement to UIST 2010: *ACM Symposium on User Interface Software and Technology*. New York, NY. Poster.

Björn Hartmann, Daniel MacDougall, and Scott R. Klemmer. What Would Other Programmers Do? Suggesting Solutions to Error Messages. In Conference Supplement to UIST 2009: *ACM Symposium on User Interface Software and Technology*. Victoria, BC. Poster.

Timothy Cardenas, Marcello Bastea-Forte, Antonio Ricciardi, **Björn Hartmann**, Scott R. Klemmer. Testing Physical Computing Prototypes Through Time-Shifted & Simulated Input Traces. In Conference Supplement to UIST 2008: *ACM Symposium on User Interface Software and Technology*. Monterey, CA. Poster.

Haiyan Zhang, and **Björn Hartmann**. Extending Everyday Play. In Extended Abstracts of CHI 2007: *ACM Conference on Human Factors in Computing Systems*. San Jose, CA, 2007. Demonstration.

Björn Hartmann, Scott Doorley, Sohyeong Kim, and Parul Vora. Wizard of Oz Sketch Animation for Experience Prototyping. In Adjunct Proceedings of Ubicomp 2006: *Ubiquitous Computing*. Orange County, CA, 2006. Video.

Björn Hartmann, Meredith Ringel Morris, and Anthony Cassanego. Reducing Clutter on Tabletop Groupware Systems with Tangible Drawers. In Adjunct Proceedings of Ubicomp 2006: *Ubiquitous Computing*. Orange County, CA, 2006. Poster.

Björn Hartmann, Scott R. Klemmer, and Michael Bernstein, Prototypes Enable Collaboration in Product Design – Let’s Help Designers Build More of Them. Boaster Paper in *Human Computer Interaction Consortium Winter Workshop*. 2006: Fraser, Colorado.

Björn Hartmann, Scott R. Klemmer, Michael Bernstein, and Nirav Mehta. d.tools: Visually Prototyping Physical UIs through Statecharts. In Conference Supplement to UIST 2005: *ACM Symposium on User Interface Software and Technology*. Seattle, WA, 2005. Demonstration.

Jennifer Carlile and **Björn Hartmann**. Oroboro: a collaborative music controller with interpersonal haptic feedback. In Proceedings of NIME 2005: *New Interfaces for Musical Expression*. Vancouver, BC, 2005. Demonstration.

Björn Hartmann, Maurizio Mancini, Stéphanie Buisine, and Catherine Pelachaud. Design and Evaluation of Expressive Gesture Synthesis for Embodied Conversational Agents. In Proceedings of AAMAS 2005. Utrecht, Netherlands, July, 2005. Poster.

Maurizio Mancini, **Björn Hartmann**, Catherine Pelachaud, Amaryllis Raouzaoui, and Kostas Karpouzis. Expressive Avatars in MPEG-4. In Proceedings of ICME, 2005. Poster.

Maurizio Mancini, **Björn Hartmann**, and Catherine Pelachaud. Gesture Expressivity in Embodied Conversational Agents. In Proceedings of ISGS 2005: *Second Conference of the International Society for Gesture Studies*. Lyon, France, May, 2005. Poster.

INVITED PUBLICATIONS

BOOK CHAPTER

Björn Hartmann, Netlabels and the Adoption of Creative Commons Licensing in the Online Electronic Music Community, in *International Commons at the Digital Age*. Romillat: Paris, France, 2004.