

# ERIC P. S. BAUMER

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## EDUCATION

Ph.D. Information and Computer Sciences, Department of Informatics, 2009

University of California, Irvine

Dissertation: *Computational Metaphor Identification to Foster Critical Thinking and Creativity*

Dissertation Committee: Bill Tomlinson (advisor), Lindsey Richland, Paul Dourish

M.S. Information and Computer Sciences, Department of Informatics, 2006

University of California, Irvine

Advisor: Bill Tomlinson

B.S. Computer Science with Honors in the Major, Minor in Music, Magna Cum Laude, 2004

University of Central Florida, Orlando, FL

Thesis: *Toward the Design of an Emotion-Like State Generator for a Robotic Office Assistant*

Thesis Committee: Christine Lisetti (chair), Charles E. Hughes, Mason Cash

## APPOINTMENTS

Cornell University, Communication Department

Research Associate, 2013-present

Postdoctoral Associate, 2010-2013

Lecturer, 2012 Spring

University of California, Irvine, Department of Informatics

Assistant Project Scientist, 2009-2010

Graduate Research Assistant, 2005-2006, 2008-2009

Teaching Assistant, 2007-2008

Community Technologies Group, Microsoft Research

Research Intern, Summer 2006

University of Central Florida, Burnett Honors College Summer Institute

Teaching Assistant, 2003, 2004 (summers)

## PUBLICATIONS

### Journal Papers

- J11. **Baumer, E.P.S.**, Guha, S., Quan, E., Mimno, D., and Gay, G. (to appear). How Social Media Non-use Influences the Likelihood of Reversion: Perceived Addiction, Boundary Negotiation, Subjective Mood, and Social Connections. *Social Media + Society*.
- J10. **Baumer, E.P.S.**, Polletta, F., Pierski, N., and Gay, G. (to appear). A Simple Intervention to Reduce Framing Effects in Perceptions of Global Climate Change. *Environmental Communication*.
- J9. Epstein, D., Roth, M., **Baumer, E.P.S.** (2014). It's the Definition, Stupid! Framing of Online Privacy in the Internet Governance Forum Debates. *Journal of Information Policy*, 4, 144-172.
- J8. **Baumer, E.P.S.**, Cipriani, C., Davis, M., He, G., Jeffrey-Wilensky, J., Kang, J., Lee, J., Zupnick, J., and Gay, G. (2014). Broadening Exposure, Questioning Opinions, and Reading

Patterns with Reflex: a Computational Support for Frame Reflection. *Journal of Information Technology and Politics*, 11(1), 45-63.

- J7. Snyder, J., **Baumer, E.P.S.**, Volda, S., Adams, P., Halpern, M., Choudhury, T., and Gay, G. (2014). Making Things Visible: Opportunities and Tensions in Visual Approaches for Design Research. *Human-Computer Interaction*, 29(5-6), 45-63.
- J6. **Baumer, E.P.S.**, Khovanskaya, V., Adams, P., Pollak, JP, Volda, S., and Gay, G. (2013). Designing for Engaging Experiences in Mobile Social-Health Support Systems. *IEEE Pervasive, Special Issue on Understanding and Changing Behavior*, 12(3), 32-39.
- J5. Ming, N. and **Baumer, E.P.S.** (2011). Using Text Mining to Characterize Online Discussion Facilitation. *Journal of Asynchronous Learning Networks*, 15(2), 71-109.
- J4. **Baumer, E.P.S.**, Sueyoshi, M., and Tomlinson, B. (2011). Bloggers and Readers Blogging Together: Collaborative Co-Creation of Political Blogs. *Computer Supported Cooperative Work*, 20(1-2), 1-36.
- J3. Beitz, M.J., **Baumer, E.P.S.**, and Lee, C.P. (2010). Synergizing in Cybinfrastructure Development. *Computer Supported Cooperative Work, Special Issue on Cyberinfrastructure*, 19 (3-4), 245-281.
- J2. Tomlinson, B., Yau, M.L., **Baumer, E.**, Ross, J., Correa, A., Ji, G. (2009). Richly Connected Systems and Multi-Device Worlds. *Presence: Teleoperators and Virtual Environments*, 18(1), MIT Press.
- J1. Tomlinson, B., **Baumer, E.**, Yau, M.L., Carpenter, F.L., Black, R. (2008). A Participatory Simulation for Informal Education in Restoration Ecology. *E-Learning*, 5 (3).

#### Conference Proceedings

- C28. Khovanskaya, V., **Baumer, E.P.S.**, and Sengers, P. (2015). Double Binds and Double Blinds: Evaluation Tactics in Critically Oriented HCI. in *Proceedings of the Fifth Decennial Aarhus Conference: Critical Alternatives*. (Aarhus, Denmark). [29.6% acceptance rate]
- C27. **Baumer, E.P.S.**, Elovic, E., Qin, Y., Polletta, F., and Gay, G. (2015). Testing and Comparing Computational Approaches for Identifying the Language of Framing in Political News. in *Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics – Human Language Technologies Conference (NAACL-HLT)*. (Denver, CO). [26% acceptance rate]
- C26. **Baumer, E.P.S.** (2015). Reflective Informatics: Conceptual Dimensions for Designing Technologies of Reflection. in *ACM Conference on Human Factors in Computing Systems (CHI)*. (Seoul, South Korea). [23% acceptance rate]
- C25. **Baumer, E.P.S.** (2015). Usees. in *ACM Conference on Human Factors in Computing Systems (CHI)*. (Seoul, South Korea). [23% acceptance rate]
- C24. Penzenstadler, B., Tomlinson, B., **Baumer, E.P.S.**, Pufal, M., Raturi, A., Richardson, D., Cakici, B., Chitchyan, R., Da Costa, G., Dombrowski, L., Edwardsson, M.P., Eriksson, E., Franch, X., Hayes, G.R., Herzog, C., Lohmann, W., Mahaux, M., Mavin, A., Mazmanian, M., Nayebaziz, S., Norton, J., Pargman, D., Silberman, M.S., Simonson, K., Torrance, A.W., van der Hoek, A. (2014). ICT4S 2029: What will be the Systems Supporting Sustainability in 15 Years? in *International Conference on ICT for Sustainability (ICT4S)*. (Stockholm, Sweden).
- C23. Polletta, F., Pierski, N.M., **Baumer, E.P.S.**, Celaya, C., and Gay, G. (2014). A “Peopled” Strategy of Frame Reflection. *Annual Meeting of the American Sociological Association (ASA)*. (San Francisco, CA).

- C22. **Baumer, E.P.S.**, Khovanskaya, V., Matthews, M., Reynolds, L., Sosik, V.S., and Gay, G.K. (2014). Reviewing Reflection: On the Use of Reflection in Interactive System Design. in *ACM Conference on Designing Interactive Systems (DIS)*. (Vancouver, BC). [26% acceptance rate]
- C21. Adams, P., **Baumer, E.P.S.**, Gay, G. (2014). Staccato Social Support in Mobile Health Applications. in *ACM Conference on Human Factors in Computing Systems (CHI)*. (Toronto, ON). [23% acceptance rate]
- C20. **Baumer, E.P.S.**, Adams, P., Khovanskaya, V., Liao, T., Smith, M.E., Sosik, V.S., Williams, K. (2013). Limiting, Leaving, and (re)Lapsing: A Survey of Facebook Non-use Practices and Experiences. in *ACM Conference on Human Factors in Computing Systems (CHI)*. (Paris, France). [20% acceptance rate]
- C19. Khovanskaya, V., **Baumer, E.P.S.**, Cosley, D., Vaida, S., and Gay, G.K. (2013). "Everybody Knows What You're Doing": A Critical Design Approach to Personal Informatics. in *ACM Conference on Human Factors in Computing Systems (CHI)*. (Paris, France). [20% acceptance rate]
- C18. **Baumer, E.P.S.**, Polletta, F., Pierski, N., Celaya, C., Rosenblatt, K., and Gay, G.K. (2013). Developing Computational Supports for Frame Reflection. in *Proceedings of the iConference*. (Fort Worth, TX). [36% acceptance rate]
- C17. Brynjarsdóttir, H., Håkansson, M., Pierce, J., **Baumer, E.P.S.**, DiSalvo, C., and Sengers, P. (2012). Sustainably Unpersuaded: How Persuasion Narrows our Vision of Sustainability. in *ACM Conference on Human Factors in Computing Systems (CHI)*. (Austin, TX). [23% acceptance rate]
- C16. **Baumer, E.P.S.**, Katz, S.J., Freeman, J.E., Adams, P., Gonzales, A.L., Pollak, J.P., Retelny, D., Niederdeppe, J., Olson, C., and Gay, G. (2012). Prescriptive Persuasion and Open-Ended Social Awareness: Expanding the Design Space of Mobile Health. in *ACM Conference on Computer-Supported Cooperative Work (CSCW)*. (Bellevue, WA). [39% acceptance rate – **nominated for Best Paper award**]
- C15. Smith, M.E., Nguyen, D.M., Lai, C., Leshed, G., and **Baumer, E.P.S.** (2012). Going to College and Staying Connected: Communication Between College Freshmen and their Parents. in *ACM Conference on Computer-Supported Cooperative Work (CSCW)*. (Bellevue, WA). [39% acceptance rate]
- C14. **Baumer, E.P.S.** and Tomlinson, B. (2011). Comparing Activity Theory with Distributed Cognition for Video Analysis: Beyond “Kicking the Tires.” in *ACM Conference on Human Factors in Computing Systems (CHI)*. (Vancouver, BC). [26% acceptance rate – **Honorable Mention Award**, given to top 5% of papers]
- C13. **Baumer, E.P.S.** and Silberman, S.M. (2011). When the Implication Is Not to Design (Technology). in *ACM Conference on Human Factors in Computing Systems (CHI)*. (Vancouver, BC). [26% acceptance rate – **Honorable Mention Award**, given to top 5% of paper]
- C12. Halpern, M., Evjen, M., Tholander, J., Ehrlich, J.A., **Baumer, E.P.S.**, and Gay, G. (2011). MoBoogie: Creative Expression Through Whole Body Musical Interaction. in *ACM Conference on Human Factors in Computing Systems (CHI)*. (Vancouver, BC). [26% acceptance rate – **Honorable Mention Award**, given to top 5% of papers]
- C11. Hansen, J., **Baumer, E.P.S.**, Richland, L., and Tomlinson, B. (2011). Metaphor and Creativity in Learning Science. in *American Educational Researchers Association Annual Conference (AERA)*. (New Orleans, Louisiana).
- C10. **Baumer, E.P.S.**, Sinclair, J., and Tomlinson, B. (2010). “America Is Like Metamucil:” Critical and Creative Thinking about Metaphor in Political Blogs. in *ACM Conference on Human Factors in Computing Systems (CHI)*. (Atlanta, GA). [22% acceptance rate]

- C9. **Baumer, E.P.S.**, Tomlinson, B., Hansen, J., and Richland, L.E. (2009). Fostering Metaphorical Creativity Using Computational Metaphor Identification. in *ACM Conference on Creativity & Cognition*. (Berkeley, CA). [23% acceptance rate]
- C8. **Baumer, E.P.S.**, Sinclair, J., Hubin, D., and Tomlinson, B. (2009). metaViz: Visualizing Computationally Identified Metaphors in Political Blogs. in *Symposium on Social Intelligence and Networking (SIN) at The IEEE Symposium on Social Computing (SocialCom)*. (Vancouver, BC, Canada).
- C7. **Baumer, E.**, Tomlinson, B., and Richland, L.E. (2009). Computational Metaphor Identification: A Method for Identifying Conceptual Metaphors in Written Text. in *The Second International Analogy Conference (Analogy09)*. (Sofia, Bulgaria).
- C6. **Baumer, E.**, Richland, L.E., and Tomlinson, B. (2009). Applying Computational Metaphor Identification to Middle School Students' Writing about Cellular Reproduction. in *National Association for Research in Science Teaching Annual Conference (NARST)*. (Garden Grove, CA). [64% acceptance rate]
- C5. **Baumer, E.**, Sueyoshi, M., and Tomlinson, B. (2008). Exploring the Role of the Reader in the Activity of Blogging. in *ACM Conference on Human Factors in Computing Systems (CHI)*. (Florence, Italy). [22% acceptance rate]
- C4. **Baumer, E.** and Fisher, D. (2008). Smarter Blogroll: An Exploration of Social Topic Extraction for Manageable Blogrolls. in *Hawai'i International Conference on System Sciences (HICSS), Social Spaces Minitrack*, (Big Island, HI). [38% acceptance rate – revised version of TR1]
- C3. **Baumer, E.** and Tomlinson, B. (2006). The Interconnected Roles of Abstraction and Emergence in Artificial Societies. in *AAAI Fall Symposium on Interaction and Emergent Phenomena in Societies of Agents*, (Arlington, VA).
- C2. Alspaugh, T. A., Tomlinson, B. and **Baumer, E.** (2006). Using Social Agents to Visualize Software Scenarios. in *ACM Symposium on Software Visualization (SOFTVIS '06)*, (Brighton, UK). [36% acceptance rate]
- C1. Tomlinson, B., Yau, M. L. and **Baumer, E.** (2006). Embodied Mobile Agents. *Fifth International Joint Conference on Autonomous Agents and Multi Agent Systems*, (Hakodate, Japan). [23% acceptance rate]

#### Academic and Scholarly Magazine Articles

- M2. **Baumer, E.P.S.**, Burrell, J., Ames, M.G., Brubaker, J.R., Dourish, P. (2015). On the Importance and Implications of Studying Technology Non-use. *interactions*.
- M1. **Baumer, E.P.S.** (2011). Accounting for Social Change in Design. *User Experience*, 10(2), 14-16.

#### Workshop Papers, Posters, and Other Fora

- W20. Baumer, E.P.S. (2015). “Us vs. Them”?: Negotiating Tensions among Multiple Audiences for Critical (Technical) Practices. in *Shifting Borderlands of Technoscience: Tracing Trajectories of Critical Practice*, Workshop at the 5<sup>th</sup> Decennial Aarhus Conference on “Critical Alternatives,” (Aarhus, Denmark).
- W19. Tomlinson, B., Norton, J., **Baumer, E.P.S.**, Pufal, M., and Raghavan, B. (2015). Self-Obviating Systems and their Application to Sustainability. in *iConference: Preliminary Results Track*, (Newport Beach, CA). [59% acceptance rate; **Finalist for Most Interesting Preliminary Results**]

- W18. **Baumer, E.P.S.**, Ahn, J., Bie, M., Bonsignore, E.M., Börütecene, A., Buruk, O.T., Clegg, T., Druin, A., Echtler, F., Gruen, D., Guha, M.L., Hordatt, C., Krüger, A., Maidenbaum, S., Malu, M., McNally, B., Muller, M., Norooz, L., Norton, J., Özcan, O., Patterson, D.J., Riener, A., Ross, S.I., Rust, K., Schöning, J., Silberman, M.S., Tomlinson, B., Yip, J. (2014). CHI 2039: Speculative Research Visions. *ACM Conference on Human Factors in Computing Systems, Extended Abstracts (alt.chi)*. [37.5% acceptance rate]
- W17. Tomlinson, B., J. Ross, P. André, **E.P.S. Baumer**, D.J. Patterson, J. Corneli, M. Mahaux, S. Nobarany, M. Lazzari, P. Penzenstadler, A.W. Torrance, D.J. Callele, G.M. Olson, M.S. Silberman, M. Ständer, F.R. Palamedi, A. Salah, E. Morrill, X. Franch, F. Mueller, J. Kaye, R.W. Black, M.L. Cohn, P.C. Shih, J. Brewer, N. Goyal, P. Näkki, J. Huang, N. Baghaei, and C. Saper. (2012). Massively Distributed Authorship of Academic Papers. *ACM Conference on Human Factors in Computing Systems, Extended Abstracts (alt.chi)*, (Austin, TX). [47% acceptance rate]
- W16. **Baumer, E.P.S.**, and Gay, G.K. (2012). From Analyzing to Reflection: Computational Supports for Frame Reflection. in *Design, Influence, and Social Technologies, Workshop at ACM CSCW Conference*, (Seattle, WA).
- W15. Deline, M.B., **Baumer, E.P.S.**, and Gay, G.K. (2012). Normative Communication Processes and Associated Emotion in Mobile Health Groups. *Poster at ACM CSCW Conference*, (Seattle WA).
- W14. **Baumer, E.P.S.**, Halpern, M., Khovanskaya, V., and Gay, G. K. (2011). The Practice of Everyday Sustainability: the View from a Farmers' Market. in *Everyday Practice and Sustainability: Understanding and Learning from Cultures of (Un)Sustainability, Workshop at ACM SIGCHI Conference*, (Vancouver, BC).
- W13. Gonzales, A.L., Pollak, JP, Retelny, D., **Baumer, E.P.S.**, and Gay, G. (2011). A Mobile Application for Improving Health Attitudes: Being Social Matters. in *Personal Informatics & HCI: Design, Theory, & Social Implications, Workshop at ACM SIGCHI Conference*, (Vancouver, BC).
- W12. **Baumer, E.P.S.**, White, J. P., and Tomlinson, B. (2010). Comparing Semantic Role Labeling with Typed Dependency Parsing in Computational Metaphor Identification. in *Computational Approaches to Linguistic Creativity (CALC-10) Workshop at Human Language Technologies (NAACL/HLT)*, (Los Angeles, CA). [66% acceptance rate]
- W11. **Baumer, E.** and Leis, A. (2010). Minimalists and Zealots: Genres of Participation in Following on Twitter. in *Microblogging: What and How Can We Learn From It? Workshop at ACM SIGCHI Conference*, (Atlanta, GA).
- W10. **Baumer, E.** and Tomlinson, B. (2008). Computational Metaphor Identification in Communities of Blogs. in *International Conference on Weblogs and Social Media (ICWSM) Poster Session*. (Seattle, WA).
- W9. **Baumer, E.**, Sueyoshi, M., and Tomlinson, B. (2008). Examining Privacy in Blogging from the Reader's Perspective. in *International Conference on Weblogs and Social Media (ICWSM) Poster Session*. (Seattle, WA).
- W8. **Baumer, E.** (2007). Computational Metaphor Extraction to Encourage Critical Reflection and Support Epistemological Pluralism. in *Doctoral Consortium of the Conference on Computer Supported Collaborative Learning (CSCL)*, (New Brunswick, NJ). [56% acceptance rate]
- W7. **Baumer, E.** and Tomlinson, B. (2007). Questioning the Technological Panacea: Three Reflective Questions for Designers. in alt.CHI Session of *CHI'07 Extended Abstracts on Human Factors in Computing Systems*, (San Jose, CA). [41% acceptance rate]

- W6. **Baumer, E.** and Tomlinson, B., (2007). Advocating Polytheoretic Evaluation of Interactive Art and New Media. in *HCI and New Media: Methodology and Evaluation; Workshop at ACM SIGCHI Conference*, (San Jose, CA).
- W5. Alspaugh, T. A., **Baumer, E.**, and Tomlinson, B. (2006). On a Mixed-Methods Evaluation of a Social-Agent Scenario Visualization. in *Fourth International Workshop on Comparative Evaluation in Requirements Engineering (CERE'06)*, (Minneapolis, MN).
- W4. Tomlinson, B., **Baumer, E.** and Yau, M.L. (2006). The Island Metaphor. in *SIGGRAPH 2006 Posters*, (Boston, MA).
- W3. Tomlinson, B., Yau, M. L., **Baumer, E.**, Goetz, S., Carpenter, L., Pratt, R., Young, K., May-Tobin, C. (2006). "The EcoRaft Project: A Multi-Device Interactive Graphical Exhibit for Learning about Restoration Ecology." In: *ACM Conference on Human Factors in Computing Systems (CHI 2006), Work in Progress*. (Montreal, Canada).
- W2. **Baumer, E.** and Tomlinson, B. (2005). Synthetic Social Construction for Autonomous Characters. in *AAAI Workshop on Modular Construction of Human-Like Intelligence*, (Pittsburgh, PA).
- W1. Williams, A. and **Baumer, E.** (2005). Exploring Shopping Malls as Sites of Suburban Computing. in *Engaging the City: Public Interfaces as Civic Intermediary, Workshop at CHI 2005*, (Portland, OR).

#### Chapters in Edited Volumes

- Ch3. **Baumer, E.P.S.**, Halpern, M., Khovanskaya, V., and Gay, G.K. (2014). Probing the Market: Using Cultural Probes to Inform Design for Sustainable Food Practices at a Farmers' Market. in Choi, J., Foth, M., and Hearn, G. (eds.) *Eat, Cook, Grow: Mixing Human-Computer Interaction and Human-Food Interaction*, pp. 135-151. Cambridge, MA: MIT Press.
- Ch2. **Baumer, E.** and Tomlinson, B. (2009). Relationships between the Processes of Emergence and Abstraction in Societies. in Trajkovski, G. and Collins, S. (eds.) *Handbook of Research on Agent-Based Societies: Social and Cultural Interactions*, pp. 288-304. Hershey, PA: IGI-Global.
- Ch1. **Baumer, E.** and Tomlinson, B. (2005). "Institutionalization Through Reciprocal Habitualization and Typification." In: *Second NASA/JPL Workshop on Radical Agent Concepts (WRAC)*. NASA Goddard Space Flight Center, Greenbelt, MD. Published in *Innovative Concepts for Autonomic and Agent-Based Systems, Lecture Notes in Computer Science*, Vol. 3825, pp. 122-134, Springer-Verlag, 2006.

#### Technical Reports

- TR2. **Baumer, E.P.S.**, Hubin, D., and Tomlinson, B. (2010). Computational Metaphor Identification (LUCI-2010-002). Laboratory for Ubiquitous Computing and Interaction (LUCI) Technical Reports. Irvine, CA: Department of Informatics, University of California, Irvine.
- TR1. **Baumer, E.** and Fisher, D. (2007). Smarter Blogroll: An Exploration of Social Topic Extraction for Manageable Blogrolls (TechReport MSR-TR-2007-18). Redmond, WA: Microsoft Research. [revised version published as C4].

## INTERACTIVITY

### Organized Workshops

- O3. **Baumer, E.P.S.**, Ames, M., Brubaker, J., Burrell, J., and Dourish, P. (2014). Refusing, Limiting, Departing: Why We Should Study Technology Non-use. *Workshop at ACM Conference on Human Factors in Computing Systems (CHI)*. (Toronto, ON). [lead organizer]
- O2. **Baumer, E.**, Brewer, J., Brown, B., Leahu, L., Lindtner, S., and Martin, K. (2009). Hybrid Design Practices. *Workshop at International Conference on Ubiquitous Computing (Ubicomp2009)*. (Orlando, FL). [co-organizer]
- O1. **Baumer, E.** and Biel, K. (2007). Graduate Student Forum on Interdisciplinary Research. California Institute for Telecommunications and Information Technology (Calit2). (Irvine, CA). [lead organizer]

### Panel and Discussant Presentations

- PD3. Pan, Y. and Thomas, J.C. (2012). Hot or Not: A Qualitative Study on Ecological Impact of Social Media and Fashion Consumption. in *ACM Conference on Computer-Supported Cooperative Work, CSCW Horizons Session*. (Bellevue, WA). [paper **discussant**]
- PD2. Ok, H.R., Wallis, C., Liang, R.Y.H., Walraven, K., Lim, M., and **Baumer, E.P.S.** (2010). Youth, New Media, and Public Participation in International Contexts. at *First Annual Digital Media and Learning Conference – Diversifying Participation*. (La Jolla, CA). [panel discussant]
- PD1. Dourish, P., Sim, S.E., and Tomlinson, B. (2009). Environmental Sustainability and Information Technology. *UC Irvine Informatics Seminar* (Irvine, CA). [panel **organizer and moderator**]

### Interactive Installations

- I3. Tomlinson, B., **Baumer, E.**, Yau, M.L., MacAlpine, P., Canales, L., Correa, A., Hornick, B. and Sharma, A. (2007). Dreaming of Adaptive Interface Agents. in *ACM Conference on Human Factors in Computing Systems (CHI 2007) Extended Abstracts (Trends - Interactivity)*, (San Jose, CA).
- I2. **Baumer, E.**, Tomlinson, B., Yau, M.L., Alspaugh, T.A. (2006). "Normative Echoes: Use and manipulation of player generated content by communities of NPCs." in *Artificial Intelligence and Interactive Digital Entertainment (AIIDE-06), Demonstration Program*. (Marina del Rey, CA). [83% acceptance rate]
- I1. Tomlinson, B., Yau, M.L., Gray, J., **Baumer, E.**, Goetz, S., O'Connell, J., Williams, K., Yamaoka, S. (2005). Virtual Raft Project. in *ACM SIGGRAPH 2005, Emerging Technologies*, (Los Angeles, CA). [12% acceptance rate]

### Speaking, Lectures, and Other Presentations

- S13. Baumer, E.P.S. (2014). Feminist HCI. *Guest Lecture, Comm/Info 4400 Advanced Human-Computer Interaction Design*. Cornell University. April 15, 2014.
- S12. Baumer, E.P.S. (2011). Blogging and Blog Reading. *Guest Lecture, Comm/Info 4500 Computer-Mediated Communication*. Cornell University. March 10, 2011.
- S11. Baumer, E.P.S. (2010). metaViz: Computational Analysis for Fostering Critical Thinking and Political Deliberation. *DIY Citizenship Conference*. University of Toronto. November 14, 2010.
- S10. Baumer, E.P.S. (2010). Blog Reading as Collaborative Co-Creation. *Invited Talk, Information Science Breakfast Series*. Cornell University. October 13, 2010.

- S9. Baumer, E.P.S. (2009). Computational Technology and Situated Cognition. *Guest Lecture, In4matx 161 Social Analysis of Computing*. University of California, Irvine. November 17, 2009.
- S8. Baumer, E. (2009). Fostering Critical Thinking and Metaphorical Creativity with Computational Metaphor Identification. *Invited Talk, School of Education Graduate Seminar*. University of California, Irvine. October 26, 2009.
- S7. Baumer, E. (2009). What Do Metaphors Have to Do with Computers or Science? *Guest Speaker, 7<sup>th</sup> Grade IMAST (Integrating Mathematics and Science with Technology) Gifted Science Class*. Carwise Middle School. January 5, 2009.
- S6. Baumer, E. (2008). Blog Readers and Political Metaphor. *Guest Lecture, In4matx 161 Social Analysis of Computing*. University of California, Irvine. November 18, 2008.
- S5. Baumer, E. (2008). Blog Reading and the Role of the Reader. *Guest Speaker*. Orange County Register. May 12, 2008.
- S4. Baumer, E. (2008). Blog Reading and Blog Readers: Tools and Practices. *Invited Research Talk*. Microsoft Research, Redmond. May 8, 2008.
- S3. Baumer, E. (2008). Blog Reading and Blog Readers: Tools and Practices. *Guest Speaker, DUB Research Group*. University of Washington. April 2, 2008.
- S2. Baumer, E. (2008). Emotion and Computation in Computer Games. *Guest Lecture, University Studies 12 Computer Games as Art, Culture, and Technology*. University of California, Irvine. February 12, 2008.
- S1. Baumer, E. (2007). Metaphor – Blogging – Politics. *Guest Lecture, In4matx 161 Social Analysis of Computing*. University of California, Irvine. November 15, 2007.

## FUNDING

### Grants

- G5. Cornell Institute for Social Sciences, \$10,000, “Developing Methods for Joint Analysis of Closed- Ended and Open-Ended Survey Data,” David Mimno (PI), **Eric P. S. Baumer** (Co-PI), 2015-2016.
- G4. NSF Cyber-Human Systems (CHS), \$499,860, “Non-use as a Transformative Lens for Understanding Social Technology,” Geri Gay (PI), **Eric P. S. Baumer** (Co-PI), 2014-2017
- G3. NSF Social-Computational Systems (SoCS), \$467,019, “Improving Online Deliberation with Computational Supports for Frame Reflection,” Geri Gay (PI), Francesca Polletta (co-PI) [**grant written as postdoc**], 2011-2014; REU Supplements totaling \$20,000
- G2. Cornell Institute for Social Sciences, \$7,500, “Developing Computational Supports for Frame Reflection,” Geri Gay (PI), **Eric P. S. Baumer** (Co-PI), 2011-2012
- G1. NSF CreativeIT, \$200,000, “Computational Metaphor Identification for Supporting Creativity in Science Education,” Bill Tomlinson (PI), Lindsey Richland (Co-PI) [**grant written as grad student**], 2008-2010

## AWARDS

### Fellowships and Scholarships

- NSF CreativeIT Travel Grant, 2008
- Calit2 Emulex Fellowship, 2006-2007
- GAANN Fellowship, 2006-2007



UC Irvine School of Information and Computer Science Dean's Fellowship, 2004-2006  
UCF Honors in the Major Thesis Scholarship, 2003  
UCF Burnett Honors College Summer Study Abroad Scholarship, Summer 2001  
Florida Bright Futures Scholarship, 2000-2004

## Honors

Special Recognition for Reviewers  
ACM CSCW Conference 2015 (x2)  
ACM CHI Conference 2014 (x2)  
Best Paper Nominations  
ACM CSCW Conference, 2012  
Honorable Mention Paper Awards (top 5% of submissions)  
ACM SIGCHI Conference, 2011 (x3)  
Finalist, Microsoft Research Graduate Fellowship, 2006  
Finalist, Peoria Prize, "The Virtual Raft Project," 2005  
Burnett Honors College Honors in the Major, 2004  
Burnett Honors College University Honors, 2004

## TEACHING

### Instructor

2015 Spring – Human Computer Interaction (Graduate Level)  
2012 Spring – Advanced Human-Computer Interaction Design

### Co-Instructor

2014 Spring – Special Topics in Transformative Design Seminar (Graduate Level)  
2013 Spring – Special Topics in Games and Personal Informatics Seminar (Graduate Level)  
2012 Fall – Special Topics in Transformative Design Seminar (Graduate Level)  
2011 Spring – Advanced Human-Computer Interaction  
2011 Spring – Special Topics in Mobile Social Networks Seminar

### Teaching Assistant

2007 Fall - 2008 Spring – Video Games as Art, Culture, and Technology  
2007 Spring – Project in Social Implications of Computing  
2007 Winter – Informatics Core II  
2003 Summer – Burnett Honors College Summer Institute, University of Central Florida  
2002 Summer – Burnett Honors College Summer Institute, University of Central Florida

### Mentoring and Advising

#### Masters Students

Yihui Fu, Summer 2015 – current  
Emily Quan, Fall 2014 – Spring 2015  
Ying "Crystal" Qin, Fall 2013 – Spring 2014  
Mitchell Davis, Spring 2012 – Spring 2013  
Alistair Ballantine, Fall 2011 – Spring 2012  
Kamran Munshi, Spring 2011

#### Undergraduates

Neha Deshmukh, Summer 2015 – current  
Jung-Ho Sohn, Spring 2014 – Spring 2015  
Information Science Excellence in Undergraduate Research Award, 2015  
NSF REU Recipient, Summer 2014, \$4000  
Eric Morris, Fall 2014  
Elisha Elovic, Summer 2014 – Fall 2014  
NSF REU Recipient, Summer 2014, \$4000

Andrea Lin, Spring 2014 – Fall 2014  
Rachel Yen, Spring 2014  
Rannie Zhang, Spring 2014  
Ho Kei “Crystal” Ngai, Spring 2013 – Fall 2013  
Vera Khovanskaya, Fall 2010 – Spring 2013  
    Computing Research Association Outstanding Undergraduate Researcher Award, 2013  
    Cornell Presidential Fellow, 2011-2012  
Claire Cipriani, Spring 2012 – Spring 2013  
Jinjoo Lee, Summer 2012 – Spring 2013  
    NSF REU Recipient, Summer 2012, \$6000  
Gary He, Summer 2012 – Fall 2012  
    NSF REU Recipient, Summer 2012, \$6000  
James Kang, Summer 2012 – Fall 2012  
Jaclyn Jeffrey-Wilensky, Summer 2012 – Fall 2012  
Justin Zupnick, Summer 2012  
Annie Bai, Fall 2011 – Spring 2012  
    Honors Thesis, 2012  
Brendan Viscomi, Spring 2011 – Spring 2012  
Kevin Fiero, Fall 2011 – Spring 2012  
Declan Boyd, Summer 2011 – Fall 2011  
Karen Rosenblatt, Spring 2011 – Fall 2011  
Christopher Pestano, Fall 2009 – Summer 2010  
    UROF Fellow, 2010, \$700  
Allison Leis, Fall 2009 – Summer 2010  
James Paul White, Fall 2009 – Spring 2010  
    UROF Fellow, 2010, \$700  
Jordan Sinclair, Spring 2008 – Winter 2009  
    SURF-IT Fellow, 2008, \$3000  
David Hubin, Winter 2008 – Spring 2008  
    Honors Thesis, 2008  
Rodrigo Lois, Fall 2007 – Winter 2008  
Mark Sueyoshi, Spring 2007 – Spring 2009  
    SURF-IT Fellow, 2007, \$3000

## **SERVICE**

### Program Committee

iConference, 2016  
ACM Conference on Human Factors in Computing (CHI), alt.CHI Jury Member: 2015  
ACM Conference on Human Factors in Computing (CHI), Workshops: 2015  
INTERACT Conference: 2013  
ICT for Sustainability Conference: 2013

### Reviewer

ACM Conference on Computer-Supported Cooperative Work (CSCW): 2008, 2011-2013, 2015-2016  
New Media & Society: 2008-2012, 2015  
IEEE Pervasive Computing, Special Issue on Domestic Pervasive: 2015  
Mind, Culture, and Activity: 2015  
ACM Conference on Human Factors in Computing (CHI): 2007, 2009-2015  
ACM Conference on Tangible and Embodied Interaction (TEI): 2015  
iConference: 2012, 2015  
ACM Conference on Designing Interactive Systems (DIS): 2012, 2014  
ACM alt.chi: 2007, 2008, 2010, 2014

ACM Transactions on Human-Computer Interaction: 2006, 2007, 2012  
Journal of Computer Mediated Communication, Special Issue on The Hyperlinked Society: 2011  
Journal of Information Technology and Politics: 2011  
Social Epistemology: 2010  
ACM Conference on Human Factors in Computing, alt.chi: 2007-2008, 2010  
ACM Conference on Creativity & Cognition, Posters: 2009  
IEEE Symposium on Social Computing (SocialCom): 2009  
National Association of Research in Science Teaching Conference (NARST): 2009  
HICSS Advanced Teaching and Learning Technologies Minitrack: 2009  
The Information Society Journal: 2006  
International Journal of Continuing Engineering Education and Life Long Learning Special Issue on Narrative and Interactive Learning Environments: 2006

#### Grant Reviewer

Canadian Social Science and Humanities Research Council (SSHRC) External Reviewer: 2013  
NSF Grant Review Panel: 2012

#### University Service

Board Member, Cornell University Center for the Integration of Research, Teaching, and Learning (CU-CIRTL): 2012

#### Student Volunteer

AAAI: 2005

#### Informatics Graduate Student Association

Treasurer: 2008-2009

#### Associated Graduate Students

Council Member: 2007-2009

Student Representative to Council on Research, Computing, and Libraries: 2008-2009

### MEMBERSHIPS

Association for Computing Machinery (ACM) – 2007-present  
American Association for Artificial Intelligence (AAAI) – 2005-2009  
Institute of Electrical and Electronics Engineers (IEEE) – 2005-2009  
International Society for the Learning Sciences (ISLS) – 2007-2008

### NON-ACADEMIC EMPLOYMENT

University of Phoenix  
Research Scientist (Consultant), Winter-Spring 2010  
Distributed Simulation Technology, Inc.  
Student Software Engineer, 2001-2004

### EXTRACURRICULAR

Ultimate Frisbee Club Team, University of California, Irvine, 2004-2010  
2009-2010 – Assistant Coach  
2005-2006 – Club President, Most Improved Club Sport  
Intramural Ultimate Frisbee Team, Fall 2002, Spring 2004  
2002 – Team Captain  
Orlando Ultimate Frisbee Summer League, Summers 2002-2004  
2002, 2004 – League Champions