

**H-STAR Research Publications**  
**2007 - 2008**

**Jeremy Bailenson**

Bailenson, J.N., Yee, N., Blascovich, J., Beall, A.C., Lundblad, N., & Jin, M. (2008). The use of immersive virtual reality in the learning sciences: Digital transformations of teachers, students, and social context. *The Journal of the Learning Sciences*, 17, 102-141.

Bailenson, J.N., Iyengar, S., Yee, N., & Collins, N. (2008, in press). Facial Similarity as a Voting Heuristic. *Public Opinion Quarterly*.

Bailenson, J.N., Blascovich, J., & Guadagno, R.E. (2008). Self representations in immersive virtual environments. *Journal of Applied Social Psychology*, 38, 11, pp. 2673–2690.

Bailenson, J.N., Patel, K., Nielsen, A., Bajcsy, R., Jung, S., & Kurillo, G. (2008). The Effect of Interactivity on Learning Physical Actions in Virtual Reality. *Media Psychology*, 11, 354–376

Bailenson, J.N., Pontikakis, E. D., Mauss, I.B., Gross, J.J., Jabon, M.E., Hutcherson, C.A., Nass, C., & John, O. (2008) Real- Time Classification of Evoked Emotions using Facial Feature Tracking and Physiological Responses. *International Journal of Human Machine Studies*, 66, 303-317.

Bailenson, J. N., Davies, A., Beall, A.C., Blascovich, J., Guadagno, R. E., & McCall, C. (2008). The effects of witness viewpoint distance, angle, and choice on eyewitness accuracy in police lineups conducted in immersive virtual environments. *PRESENCE: Teleoperators and Virtual Environments*, 17, 242-255.

Groom, V., Bailenson, J.N., & Nass, C. (2008, in press). The influence of racial embodiment on racial bias in immersive virtual environments. *Social Influence*.

Loomis, J.M., Kelly, J.W., Pusch, M., Bailenson, J.N., & Beall, A.C. (2008, in press). Psychophysics of perceiving eye and head direction with peripheral vision: Implications for the dynamics of eye gaze behavior. *Perception*.

Fox, J.A. & Bailenson, J.N. (2008, accepted for publication). Virtual self-modeling: The effects of vicarious reinforcement and identification on exercise behaviors. *Media Psychology*.

Yee, N., Bailenson, J.N., & Ducheneaut, N. (2008, in press). The Proteus Effect: Implications of Transformed Digital Self-Representation on Online and Offline Behavior. *Communication Research*.

Yee, N., Bailenson, J.N. (2008). A method for longitudinal behavioral data collection in Second Life. *PRESENCE: Teleoperators and Virtual Environments*. 17(6),594-596.

## **Brigid Barron**

### BOOKS

Goldman, R., Pea, R. D., Barron, B. & Derry, S. (2007). (Eds.). *Video research in the learning sciences*. Mahwah, NJ: Lawrence Erlbaum Associates.

Darling-Hammond, L., Barron, B., Pearson, D., Schoenfeld, A.H., Stage, E.K., Zimmerman, T.D., Cervetti, G. N., Tilson, J. L. ( 2008). *Powerful Learning: What We Know About Teaching for Understanding*. Jossey-Bass.

### BOOK CHAPTERS

Barron, B. (2007). Video as a tool to advance understanding of learning and development in peer, family, and other informal learning contexts. In R. Goldman, R. D. Pea, B. Barron, & S. Derry (Eds.), *Video research in the learning sciences*. Mahwah, NJ: Lawrence Erlbaum Associates. pp.159-187.

Barron, B. & Darling-Hammond, L. (2008). Teaching for Meaningful Learning. In Darling-Hammond, L., Barron, B., Pearson, D., Schoenfeld, A.H., Stage, E.K., Zimmerman, T.D., Cervetti, G. N., Tilson, J. L. (eds). *Powerful Learning: What We Know About Teaching for Understanding*. Jossey-Bass. pp. 11-70.

Barron, B. & Roschelle, J. (in press). Shared Cognition. To appear in Anderman, Eric (ed.). *Psychology of Classroom Learning: An Encyclopedia*, Detroit: Macmillan Reference USA, 2009.

### JOURNAL ARTICLES

Barron, B., Martin, C., Takeuchi, L., Fithian, R. (under review). Parents as learning partners in the development of technological fluency.

## **Helen Chen**

Donaldson, K., Chen, H., Toye, G., & Sheppard, S.D. (2007). *Targeting undergraduate students for surveys: Lessons from the Academic Pathways of People Learning Engineering Survey (APPLES)*. In *Proceedings of the Frontiers in Education Annual Conference*, Milwaukee, Wisconsin, October 10-13, 2007.

Lande, M., Adams, R., Chen, H., Currano, B., & Leifer, L. (2007). Scholarship of Impact" Framework in Engineering Education Research: Learnings from the Institute for Scholarship on Engineering Education. In *Proceedings of the Frontiers in Education Annual Conference*, Milwaukee, Wisconsin, October 10-13, 2007.

Chachra, D., Kilgore, D. Loshbaugh, H., McCain, J., & Chen, H. (2008). Being and Becoming: Gender and Identity Formation of Engineering Students. In *Proceedings of the American Society for Engineering Education Annual Conference*, Pittsburgh, Pennsylvania, June 22-25, 2008.

Chen, H.L., Donaldson, K., Eris, O., Chachra, D., Lichtenstein, G., Sheppard, S. and Toye, G. (2008). *From PIE to APPLES: The evolution of a survey instrument to explore engineering student pathways*. In *Proceedings of the American Society for Engineering Education Annual Conference and Exposition*, Pittsburgh, Pennsylvania, June 22-25, 2008.

Jackson, K., Bailey, T., Sheppard, S., & Chen, H. (2008). Graduate School or Not: Engineering Students Consider Continuing Their Education in Co-terminal Programs. In *Proceedings of the American Society for Engineering Education Annual Conference and Exposition*, Pittsburgh, Pennsylvania, June 22-25, 2008.

Chen, H.L., Lattuca, L., & Hamilton, E. (2008). A Multi-Level Approach to Conceptualizing Engagement: Contributions of Faculty to Student Engagement in Engineering. *Journal of Engineering Education*, 97(3), 339-353.

### **Linda Darling-Hammond**

#### BOOKS

*Powerful Learning: What we Know about Teaching for Understanding* (with Brigid Barron, P. David Pearson, Alan H. Schoenfeld, Elizabeth K. Stage, Timothy D. Zimmerman, Gina N. Cervetti, and Jennifer L. Tilson). San Francisco: Jossey-Bass, 2008 (in press).

#### MONOGRAPHS

*High Schools for Equity: Policy Supports for Student Learning in Communities of Color* (with Diane Friedlaender). Stanford, CA: School Redesign Network at Stanford University, 2007.

*Recognizing and Enhancing Teacher Effectiveness: A Policy Maker's Guide*. Washington, DC: Council for Chief State School Officers, 2007.

*Influences of National Board Certification on Teachers' Classroom Assessment Practices* (with J. Myron Atkin, Mistilina Sato, and Ruth Chung Wei). Stanford, CA: Stanford University, 2007.

*Preparing School Leaders for a Changing World: Lessons from Exemplary Programs* (with Michelle LaPointe, Debra Meyerson, Margaret Orr, and Carol Cohen). Stanford, CA: Stanford Educational Leadership Institute, 2007.

*Preparing School Leaders for a Changing World: Executive Summary* (with Michelle LaPointe, Debra Meyerson, and Margaret Orr). Stanford, CA: Stanford Educational Leadership Institute, 2007.

*Preparing School Leaders for a Changing World: Case Studies of Exemplary Programs* (with Michelle LaPointe and Debra Meyerson). Stanford, CA: Stanford Educational Leadership Institute, 2007.

## BOOK CHAPTERS

“Studying Teacher Effectiveness: The Challenges of Developing Valid Measures” (with Jack Dieckmann, Edward Haertel, Rachel Lotan, Xiaoxia Newton, Sandy Philipose, Eliza Spang, Ewart Thomas, and Peter Williamson). In Geoffrey Walford and Eric Tucker (eds.), *The Handbook of Measurement: How social scientists generate, modify, and validate indicators and scales*. Sage Publications.

“Teacher Preparation and Teacher Learning: A Changing Policy Landscape” (with Ruth Chung Wei and the assistance of Christy Marie Johnson). In Gary Sykes (ed.) *The Handbook of Education Policy Research*. Washington DC: American Education Research Association (in press).

“Teaching and the Change Wars: The Professionalism Hypothesis.” In Michael Fullan & Andy Hargreaves (eds.), *The Change Wars* (in press).

“Defining and Debating Teacher Quality: What is an Effective Teacher?” In Thomas L. Good (ed.), *21<sup>st</sup> Century Education: A Reference Handbook*, Sage Publications (in press).

“Knowledge for Teaching: What do We Know?” In Marilyn Cochran-Smith, Sharon Feiman-Nemser, & D. John McIntyre (ed.s), *Handbook of Research on Teacher Education, 3<sup>rd</sup> edition*, pp. 1316-1323. NY: Routledge, 2008.

“Structured for Failure: Race, School Resources, and Student Achievement.” In Hazel Marcus and Paula Moya (eds.) (in press).

“Keeping the promise: The role of policy in reform” (with Kenneth Montgomery). In L. Dingerson, B. Miner, B. Peterson, & S. Waters (eds.), *Keeping the promise? The debate over charter schools*, pp. 91-110. Milwaukee: Rethinking Schools, 2008.

“Reshaping Teaching Policy, Preparation, and Practice: Influences of the National Board for Professional Teaching Standards.” In John Hattie and Lawrence Ingvarson (eds.), *Assessing Teachers For Professional Certification: The National Board for Professional Teaching Standards*, pp. 25-54, Emerald Press, 2008.

“Improving High Schools and the Role of No Child Left Behind.” In Gail Sunderman (ed.), *Holding NCLB Accountable: Achieving Accountability, Equity, and School Reform*, pp. 153-172. Thousand Oaks, CA: Corwin Press, 2008.

“Building a System for Powerful Teaching and Learning.” In Bob Wehling and Carri Schneider (eds.) *Building a 21<sup>st</sup> Century U.S. Education System*, pp. 63-72. Washington, DC: National Commission on Teaching and America’s Future, 2007.

“Constructing 21<sup>st</sup> Century Teacher Education.” In John Freeman-Moir and Alan Scott (eds.), *Shaping the Future: Critical Essays on Teacher Education*, pp. 197-216. Rotterdam: Sense Publishers, 2007.

“Educational Quality and Equality: What It Will Take to Leave No Child Behind.” In Brian D. Smedley and Alan Jenkins (eds.), *All Things Being Equal: Instigating Opportunity at an Inequitable Time*, pp. 39-78. NY: The New Press, 2007.

“Images of Teaching: Cultivating a Moral Profession.” In David T. Hansen, Mary Erina Driscoll, and Rene V. Arcilla (eds.), *A Life in Classrooms: Philip W. Jackson and the Practice of Education*, pp. 16-34. NY: Teachers College Press, 2007.

“For-Profit Schooling: Where’s the Public Good?” In *The Last Word: The Best Commentary and Controversy in American Education*, pp. 211-214. San Francisco: Jossey-Bass, 2007.

“Standards, Accountability, and School Reform.” In Christine Sleeter (ed.), *Facing Accountability in Education: Democracy and Equity at Risk*, pp. 78-111. NY: Teachers College Press, 2007.

“Countering Aggressive Neglect: Creating a Transformative Educational Agenda in the Wake of Katrina.” In Sharon Robinson & M. Christopher Brown, II (eds.), *The Children Hurricane Katrina Left Behind: Schooling Contexts, Professional Preparation, and Community Politics*, pp. xi –xx. NY: Peter Lang Publishing, 2007.

“High School Size, Organization, and Content: What Matters for Student Success?” (with Peter Ross and Michael Milliken). In Frederick Hess (ed.), *Brookings Papers on Education Policy 2006/07*, pp. 163-204. Washington, DC: Brookings Institution Press, 2007.

“Reshaping Teaching Policy, Preparation, and Practice.” In Lawrence Ingvarsson (ed.), *Assessing Teachers For Professional Certification: The National Board for Professional Teaching Standards The First Decade*, in press.

#### ARTICLES

“Powerful learning: Studies show deep understanding derives from collaborative methods” (with Brigid Barron). *Edutopia*

“Accountability Texas Style: The Progress and Learning of Urban Minority Students in a High-Stakes Testing Context” (with Julian Vasquez Heilig). *Educational Evaluation and Policy Analysis* (in press).

“Influences of National Board Certification on Teachers’ Classroom Assessment Practices” (with Mistilina Sato and Ruth Chung Wei). *American Educational Research Journal* (in press).

“Creating Excellent and Equitable Schools” (with Diane Friedlaender), *Educational Leadership*, Vol. 65, No. 8 (May 2008), pp. 14-21.

“Securing the Right to Learn: The Quest for an Empowering Curriculum for African American Citizens” (with Joy Williamson and Maria E. Hyler), *Journal of Negro Education*, Vol. 76, No. 3 (Summer 2007), pp. 281-296.

"Race, Inequality, and Educational Accountability: The Irony of 'No Child Left Behind,'" *Race, Ethnicity, and Education*, Vol. 10, No. 3 (September 2007), pp. 245-260.

## **Keith Devlin**

### PAPERS

Situation theory and situation semantics, in Dov Gabbay and John Woods (eds), *Handbook of the History of Logic*, Volume 7, Elsevier, 2008, pp.601-664.

A mathematician reflects on the useful and reliable illusion of reality in mathematics. Proceedings of the workshop *Towards a New Epistemology of Mathematics*, held at the GAP.6 Conference in Berlin, September 14-16, 2006. *Erkenntnis*, Vol. 68, No. 3, May 2008, pp.359-379.

What will count as mathematics in 2100? Bonnie Gold and Roger Simons (eds), *Contemporary Thoughts About Mathematics: Philosophy of Mathematics, for Mathematicians*, MAA Spectrum Series, 2008, pp.291-311.

Answers to five questions Luciano Floridi (ed), *Philosophy of Computing and Information: 5 Questions*, Automatic Press, 2008, pp.61-69.

### BOOKS

*The Unfinished Game: Pascal, Fermat, and the Seventeenth Century Letter that Made the World Modern*, Basic Books (2008).

*The Computer as Crucible*, with Jonathan Borwein, A.K. Peters (2008).

## **BJ Fogg**

### BOOKS & EDITED VOLUMES

Yvonne de Kort, Wijnand IJsselsteijn, Cees J. H. Midden, Berry Eggen, B. J. Fogg (Eds.): *Persuasive Technology, Second International Conference on Persuasive Technology, PERSUASIVE 2007*, Palo Alto, CA, USA, April 26-27, 2007, Revised Selected Papers. Lecture Notes in Computer Science 4744 Springer 2007, ISBN 978-3-540-77005-3

Harri Oinas-Kukkonen, Per F. V. Hasle, Marja Harjumaa, Katarina Segerståhl, Peter Øhrstrøm (Eds.): *Persuasive Technology, Third International Conference, PERSUASIVE 2008, Oulu, Finland, June 4-6, 2008*. Proceedings. Lecture Notes in Computer Science 5033 Springer 2008, ISBN 978-3-540-68500-5

### ARTICLES

Fogg, B.J., Mass Interpersonal Persuasion: An Early View of a New Phenomenon, *Persuasive Technology 2008*. Lecture Notes in Computer Science. Springer.

Fogg, B.J. and Iizawa, Daisuke, Online Persuasion in Facebook and Mixi: A Cross-Cultural Comparison, *Persuasive Technology 2008*. Lecture Notes in Computer Science. Springer.

Weiksner, G.M., Fogg, B.J., Liu, Xingxin, Six Patterns for Persuasion in Online Social Networks, *Persuasive Technology 2008*. Lecture Notes in Computer Science. Springer.

Rosenfeld, E. (w. B.J. Fogg), How to Build a Persuasive Web Application: Three Fundamental Feedback Loops, *Persuasive Technology 2008*. Lecture Notes in Computer Science. Springer.

Fogg, B.J. and Eckles, D., The Behavior Chain for Online Participation: How Successful Web Services Structure Persuasion, *Persuasive Technology 2007*. Lecture Notes in Computer Science. Springer.

### **Renate Fruchter**

"Who Shouts Louder? Exerting Power across Distance and Culture", Niina Nurmi, Petra Bosch-Sijtsema, Anu Sivunen, Renate Fruchter, *Proceedings of the ACM Workshop on Intercultural Collaboration*, IWIC 2009, February 20-21, 2009 Stanford University

### **Shelley Goldman**

BOOK

diGiano, C, Goldman, S. & Chorost, M. (2009) *Education Learning Technology Designers*. London: Routledge.

### **Kenji Hakuta**

Stipek, D. & Hakuta, K. (2007). Strategies to ensure that no child starts from behind. In J. Lawrence Aber, Sandra J. Bishop-Josef, Stephanie M. Jones, Kathryn Taaffe McLearn, and Deborah Phillips (eds.). *Child Development and Social Policy: Knowledge for Action*. (pp. 129-145). Washington, DC: American Psychological Association.

Williams, T., Hakuta, K., Haertel, E., et al. (2007). Similar English Learner Students, Different Results: Why Do Some Schools Do Better? A follow-up analysis, based on a large-scale survey of California elementary schools serving low-income and EL students. Mountain View, CA: EdSource.

Hakuta, K. (2008). Bilingualism. In Larry R. Squire, Editor-in-Chief, *Encyclopedia of Neuroscience*, Academic Press, Oxford.

McCloskey, L., Pellegrin, N., Thompson, K. and Hakuta, K. (in press). Proposition 227 in California: A Long-Term Appraisal of Its Impact on Language Minority Student Achievement. In P. Gandara (ed.), *Forbidden Language*. Teachers College Press.

### **Scott Klemmer**

BOOKS AND CONTRIBUTIONS TO BOOKS

Yang Li, Scott R Klemmer, James A Landay. Tools for Rapidly Prototyping Mobile Interactions, *Handbook of Research on User Interface Design and Evaluation for Mobile Technology*, 2008.

#### REFEREED JOURNAL ARTICLES

Scott Carter, Jennifer Mankoff, Scott R Klemmer, and Tara Matthews, Exiting the Cleanroom: On Ecological Validity and Ubiquitous Computing, *Human-Computer Interaction*, 23(1), 2007.

Scott R Klemmer, Katherine M Everitt, and James A Landay, Integrating Physical and Digital Interactions on Walls for Fluid Design Collaboration, *Human-Computer Interaction*, 23(2), 2007.

#### REFEREED SYMPOSIA/CONFERENCE PUBLICATIONS AND/OR PROCEEDINGS

Björn Hartmann, Leslie Wu, Kevin Collins, Scott R. Klemmer, Programming by a Sample: Rapidly Prototyping Web Applications with d.mix, *UIST 2007: ACM Symposium on User Interface Software and Technology*.

Heidy Maldonado, Brian Lee, Scott R Klemmer, Roy Pea, Evaluating Collaboration in Design Courses: Team Interactions Affect Technology Adoption, Artifact Creation, and Course Performance, *CSCW 2007: Conference on Computer Supported Collaborative Learning*.

Ron Yeh, Andreas Paepcke, Scott R. Klemmer, Iterative Design and Evaluation of an Event Architecture for Pen-and-Paper Interfaces, to Appear in *UIST 2008: ACM Symposium on User Interface Software and Technology*.

Björn Hartmann, Loren Yu, Abel Allison, Yeonsoo Yang, and Scott R. Klemmer, Design As Exploration: Creating Interface Alternatives through Parallel Authoring and Runtime Tuning, *UIST 2008: ACM Symposium on User Interface Software and Technology*.

#### **Larry Leifer**

#### BOOKS AND CONTRIBUTIONS TO BOOKS

Mabogunje, A., Eris, O., Sonalkar, N., Jung, M., Leifer, L.J., (2008) "Spider Webbing: A Paradigm for Engineering Design Conversations during Concept Generation," to appear in *Design Thinking Research Symposium 7*, J. McDonnell, P. Lloyd, N. Cross (eds).

#### JOURNAL ARTICLES

Ju, W., Leifer L. (2007), "The Design of Implicit Interactions," *Design Issues, Special Issue on Design Research in Interaction Design*.

#### REFEREED SYMPOSIA PUBLICATIONS

Mabogunje, A., Hansen, P.K., Eris, O., Leifer, L., (2008), "Product Design and Intentional



Emergence facilitated by Serious Play," *Proceedings of the NordDesign 2008*, Editor L. Roosimölder, 21-23 August 2008, Tallinn, Estonia.

Wodehouse, A., Breslin, C., Eris, O., Grierson, H., Ion, W., Jung, M., Juster, N., Leifer, L., Mabogunje, A. and Sonalkar, N. A. (2007), "Reflective Approach to Learning in a Global Design Project," *International Conference on Engineering and Product Design Education (E&PDE)*. Northumbria University, Newcastle, UK. 13-14 September 2007.

Lande, M, Adams, R, Chen, H, Currano, B, Leifer, L (2007). "Scholarship of Impact' Framework in Engineering Education Research: Learnings from the Institute for Scholarship on Engineering Education," *Frontiers in Education Conference*, Milwaukee, Wisconsin; October 10-13.

Carleton, T.; Cockayne, W.; and Leifer, L. (2008). "An Exploratory Study of Ambiguity for Creative Problem Solving," *Proceedings for the 2008 AAAI Spring Symposium*, Stanford, California; March 26-28, 2008.

### **Clifford Nass**

Bailenson, J. N., Pontikakis, E. D., Mauss, I. B., Gross, J. J., Jabon, M. E., Hutcherson, C., Nass, C., & John, O. (in press). Real-time classification of evoked emotions using facial feature tracking and physiological responses. *International Journal of Human-Computer Studies*.

Robles, E., Nass, C., & Kahn, A. (in press). The social life of information displays: How screens shape psychological responses in social contexts. *Human-Computer Interaction*.

Takayama, L. & Nass, C. (in press). Assessing the effectiveness of interactive media in improving drowsy driver safety. *Human Factors: The Journal of Human Factors and Ergonomics*, 50(5), 772-781.

Takayama, L., Ju, W., & Nass, C. (in press). Beyond dirty, dangerous and dull: What everyday people think robots should do. In *Proceedings of the Human-Robot Interaction Conference: HRI 2008*, Amsterdam, The Netherlands.

Groom, V. & Nass, C. (2008). Can robots be teammates?: Benchmarks and predictors of failure in human-robot teams. *Interaction Studies*, 8(3), 483-500.

Jonsson, I-M., Harris, H., & Nass, C. (2008). How accurate must an in-car information system be?: Consequences of accurate and inaccurate information in cars. *Proceedings of CHI '08: CHI conference on human factors in computing systems* (pp. 1553-1556). Florence, Italy: ACM.

Takayama, L. & Nass, C. (2008). Driver safety and information from afar: An experimental study of wireless vs. in-card information services. *International Journal of Human-Computer Studies*, 66(3), 173-184.

Yamada, R., Nakajima, H., Lee, J. R., Brave, S. B., Maldonado, H., Nass, C., Morishima, Y. (2008). The design and implementation of socially-intelligent agents providing emotional support and cognitive support, *Journal of Japan Society for Fuzzy Theory and*

*Intelligent Informatics*, 20(4), 473-486.

Danninger, M., Robles, E., Takayama, L., Wang, Q., Kluge, Y., Stiefelhagen, R., & Nass, C. (2007). The connector service: Predicting availability in mobile contexts. In S. Bengio & H. Bourlard (Eds.), *Machine learning for multimodal interaction* (pp. 129-141). Heidelberg: Springer Berlin.

Grimm, M., Kroschel, K., Harris, H., Nass, C., Schuller, B., Rigoll, G., & Moosmayr, T. (2007). On the necessity and feasibility of detecting a driver's emotional state while driving. Pp. 126-138 in A. Paia, R. Prada, & R. W. Picard (Eds.), *Lecture notes on computer science*, 4738. Berlin, Germany: Springer-Verlag.

Winterboer, A., Hu, J., Moore, J.D., & Nass, C. (2007). The influence of user tailoring and cognitive load on user performance in spoken dialogue systems. In *Proceedings of the Interspeech 2007 Conference*. Antwerp, Belgium.

### **Roy Pea**

Maldonado, H., Klemmer, S. R., Pea, R. D., Lee, B. (2008, in review). Designed for Sharing vs. Sharing your designs: Understanding Collaboration in Design Education through the iDeas Learning Ecology. *International Journal of Computer Supported Collaborative Learning* (ijCSCL).

Zahn, C., Pea, R., Hesse, F. W., Rosen, J., & Wessel, D. (2008, in review). Knowledge building through collaborative construction of digital video: A comparative experimental study on the role of technology support in complex problem solving. *J. Learning Sciences*.

Pea, R., & Lindgren, R. (2008, in review). Collaboration design patterns in uses of a video platform for research and education. *IEEE Transactions on Learning Technologies*.

Esmonde, I., Blair, K.P., Goldman, S., Martin, L., Jimenez, O., & Pea, R. (2009, to appear). Math I Am: What we learn from stories that people tell about math in their lives. In B. Bevan, P. Bell, & R. Stevens (Eds.). *Learning Outside School Time*.

Derry, S., Pea, R., Barron, B., Engle, R.A., Erickson, F., Goldman, R., Hall, R., Lemke, J., Sherin, M.G., Sherin, B.L., & Koschmann, T. (2009, to appear). Guidelines for conducting video research in the learning sciences, *J. Learning Sciences*.

Back, A.L., Arnold, R.M., Baile, W.F., Tulsy, J.A., Barley, G., Pea, R.D., & Fryer-Edwards, K.A. (2009, March, to appear). Faculty development to change the paradigm of communication skills teaching in oncology. *Journal of Clinical Oncology, The Art of Oncology*.

Roschelle, J., Singleton, C., Sabelli, N., Pea, R., & Bransford, J. (2008, December). Research worth noting, mathematics worth knowing, and resources worth growing: A response to the National Math Advisory Panel Report. *Educational Researcher*, 37(9), 610-617.

Pea, R., & Collins, A. (2008). Learning how to do science education: Four waves of reform. In Kali, Y., Linn, M.C., & Roseman, J. E. (Eds.). (2008). *Designing coherent science education* (pp. 3-12). New York: Teachers College Press.

Zahn, C., Hesse, F.W., Pea, R. & Rosen, J. (2008, July 20-25). Can advanced digital video technologies support group knowledge processes in complex collaborative design tasks? In C. Dalbert (Ed.), Abstracts of the XXIX International Congress of Psychology - Berlin, Germany 2008. *International Journal of Psychology* 43 (3/4 June/August 2008), p. 406.

Pea, R., Lindgren, R., & Rosen, J. (2008, September). Cognitive technologies for establishing, sharing and comparing perspectives on video over computer networks. *Social Science Information*, 47(3), 355-372.

Pea, R. (2008, Summer). The long tail of educational interests and resources. *Stanford Educator*, p. 13.

Pea, R., with Christine L. Borgman (Chair), Hal Abelson, Lee Dirks, Roberta Johnson, Kenneth R. Koedinger, Marcia C. Linn, Clifford A. Lynch, Diana G. Oblinger, Katie Salen, Marshall S. Smith, Alex Szalay (2008, June 24). *Fostering learning in the networked world—the cyberlearning opportunity and challenge: A 21st century agenda for the National Science Foundation (Report of the NSF Task Force on Cyberlearning)*. Arlington VA: NSF, 62pp.

## **Byron Reeves**

### BOOK

Reeves, B., and L. Read (2008). *Games@Work: How Games and Virtual Worlds Will Change the Way People Work and Businesses Compete*. Harvard Business School Press (in press).

### PAPERS

Reeves, B. & T. Malone (2008). Leaderships Living Lab: Implications of Multiplayer Games for the Enterprise. *Harvard Business Review*, May, 58-66.

Reeves, B., S. Roy, B. Gorman & T. Morley (2008). A Marketplace for Attention: Responses to a Synthetic Currency Used to Signal Information Importance in E-mail. *First Monday*, 13(5).

J. Chen, D. Shohamy, V. Ross, B. Reeves & A. Wagner (2008). The Impact of Social Belief on the Neurophysiology of Learning and Memory. Paper presented to the Society for Neuroscience.

Lim, S. & B. Reeves (2008). Computer Agents versus Avatars: Responses to Interactive Game Characters Controlled by a Computer or Other Player. *Media Psychology*, in press.

Lim, S. & B. Reeves (2008). Being in the Game: Effects of Avatar Choice and Point of

View on Arousal Responses During Play. Submitted for publication, *Human Communication Research* (and paper presented at the annual conference of the International Communication Association).

Vega, V. B. Reeves (2008). Priming Arousal Responses to Media with Labels of Reality and Fantasy. Submitted for publication to *Media Psychology*.

K. Wise, and B. Reeves (2007). The Effect of User Control on the Cognitive and Emotional Processing of Pictures. *Media Psychology*, 9, 549-566.

D. Steinbock, R. Pea & B. Reeves (2007). Wearable tag clouds: Visualizations to facilitate new collaborations. In *Proceedings of the CSCL-2007 (Computer-Support Collaborative Learning)*, pp. 671-673. Mahwah, NJ: Erlbaum Associates.

## BOOK

*Neoantiqua - Nove ensaios sobre literatura, linguagem e pensamento na Idade Média e no Renascimento*. Introduction by Luiz Costa-Lima. Trans. Erick Felinto de Oliveira, Alessandra Vannucci, and Maria Lucia Daflon. (Collection of essays, translated into Portuguese). Rio de Janeiro: Eduerj (Editora da Universidade do Estado de Rio de Janeiro), 2008.

## ESSAYS

"Mostre," pp. 78-85 in *Kunst und Propaganda im Streit der Nationen 1930-1945*, eds. Hans-Jorg Czech and Nikola Doll, Deutsches Historisches Museum, Berlin, (Dresden: Sandstein Verlag, 2007).

"OrnaMenti," pp. xviii-xx, in Daniel Virtuoso and Giuliano Centrodi eds., *Oro da utopia, omaggio a Piero*, Galleria Comunale di Arte Contemporanea, Arezzo, 24 March-22 July 2007, (Arezzo: Nuova Grafica Fiorentina, 2007).

"Arte e propaganda," in vol. 2 of *L'arte del XX secolo - Protagonisti, movimenti, gruppi e temi dell'arte dal 1900 ad oggi*, ed. Valerio Terraroli et al., (Milan: Skira, 2007).

"O ruído das coisas e dos nomes," *Poéticas do inventário -- Coleções, Listas, Séries e Arquivos na cultura contemporânea*, eds. Tania Dias and Flora Sussekind, (Rio de Janeiro 2008).

"L'abitare mobile americano," pp. 48-61 in *Casa per tutti*, ed. Fulvio Irace et al., Triennale di Milano, (Milan: Electa, 2008).

"Bruno Munari's Bombs," forthcoming in *Magazines, Modernity, and War // Revistas, Modernidad y Guerra*, ed. by Jordana Mendelson, Actas, Museo Nacional Centro de Arte Reina Sofia, Madrid, 2008.

"The People's Glass House," special issue on "Intellectuals, Nationalisms, and European Identity" *South Central Review* 25.3 (2008): 45-56.

"Animating the Archive

<<http://www.uic.edu/htbin/cgiwrap/bin/ojs/index.php/fm/article/view/2218/2020>>," *First Monday - Peer Reviewed Journal on the Internet* 13.8 (August 2008).

## Daniel Schwartz

### JOURNAL ARTICLES

Lin, X. D., Schwartz, D. L., Bransford, J. D. (2007). Intercultural adaptive expertise: Explicit and implicit lessons from Dr. Hatano. *Human Development*, 50, 65-72.

Blair, K., Schwartz, D. L., Biswas, G., & Leelawong, K. (2007). Pedagogical agents for learning by teaching: Teachable Agents. *Educational Technology*, (47)1, 56-61.

Himmelberger, K., & Schwartz, D. L. (2007). It's a homerun! Using mathematical discourse to support the learning of statistics. *Mathematics Teacher*, 101(4), 250-256.

Varma, S., & Schwartz, D. L. (2008). How should educational neuroscience conceptualize the relation between cognition and brain function? Mathematical reasoning as a network process. *Educational Research*, 50, 149-161.

Varma, S., McCandliss, B. D., & Schwartz, D. L. (2008). Scientific and pragmatic challenges for bridging education and neuroscience. *Educational Researcher*, 37(3), 140-152.

Martin, L. & Schwartz, D. L. (accepted). Prospective adaptation in the use of representational tools. *Cognition and Instruction*.

Lindgren, R., & Schwartz, D. L. (in press). Spatial learning and computer simulations in science. *International Journal of Science Education*.

### BOOK CHAPTERS

Schwartz, D. L., Blair, K. P., Biswas, G., Leelawong, K., & Davis, J. (2007). Animations of thought: Interactivity in the teachable agents paradigm. In R. Lowe & W. Schnotz (Eds.), *Learning with Animation: Research and Implications for Design* (pp. 114-40). UK: Cambridge University Press.

Schwartz, D. L., Chang, J., & Martin, L. (2008). Instrumentation and Innovation in Design Experiments: Taking the Turn to Efficiency. To appear in A. E. Kelly, R. A. Lesh, and J. Y. Baek (Eds.), *Handbook of Innovative Design Research in Science, Technology, Engineering, Mathematics (STEM) Education*. NY: Routledge.

Schwartz, D. L., Varma, S., & Martin, L. (2008). Dynamic transfer and innovation. in S. Vosniadou (Ed.), *International Handbook of Research on Conceptual Change* (pp. 479-506). New York: Taylor & Francis.

Schwartz, D. L., Chase, C., Wagster, J., Okita, S., Roscoe, R., Chin, D., & Biswas, G. (in press). Interactive metacognition: Monitoring and regulating a teachable agent. To appear in D. J. Hacker, J. Dunlosky, and A. C. Graesser (Eds.), *Handbook of Metacognition in Education*.

Schwartz, D. L. (in press). Bransford, John. D. In E. M. Andermann, L. Anderman, C. Chinn, T., Murdock, & H. L. Swanson (Eds.), *Psychology of classroom learning: An encyclopedia*. Cengage Learning.

Bransford, J. D., & Schwartz, D. L. (in press). It takes expertise to make expertise: Some thoughts about why and how and Reflections on the Themes in Chapters 15-18. To appear in A. Ericsson (Ed.), *Handbook of Expertise*.

Schwartz, D. L., Lindgren, R., & Lewis, S. (in press). Constructivism in an age of non-constructivist assessments. To appear in T. Duffy and S. Tobias (Eds.), *Constructivist theory applied to instruction: Success or failure*. Taylor & Francis.

#### PUBLISHED PROCEEDINGS

Martin, L., & Schwartz, D. L. (2007). "Catalysts to creating representational tools and the benefits for learning." In Chinn, C., Erkens, G., & Puntambekar, S. (Eds.), *Proceedings of the Computer Supported Collaborative Learning Conference, New Brunswick, New Jersey* (pp. 496-498).

Schwartz, D. L., & Martin, L. (2007). Instruction and assessment for future learning. In Chinn, C., Erkens, G., & Puntambekar, S. (Eds.), *Proceedings of the Computer Supported Collaborative Learning Conference, New Brunswick, New Jersey* (pp. 30-32).

Hogyong, J., Gupta, A., Roscoe, R., Wagster, J. Biswas, G., & Schwartz, D. (2008). Using hidden Markov models to characterize student behaviors in learning-by-teaching environments. *Lecture Notes in Computer Science: Intelligent Tutoring Systems* (p. 614-625). Berlin, Springer.

#### **Guadalupe Valdes**

Valdés, Guadalupe. "Spanish: Proactive Maintenance." *Encyclopedia of Bilingual Education*. Josue González, ed. Sage Publishing Company, pp. 772-778.

Valdés, Guadalupe; Fishman, Joshua A.; Chávez, Rebecca; Pérez, William. "Maintaining Spanish in the United States: Steps Toward the Effective Practice of Heritage Language Re-acquisition/Development." *Hispania*, Vol.9. No. 1. 2008.

#### **Anthony Wagner**

Kuhl, B. A., Dudukovic, N. M., Kahn, I., & Wagner, A. D. (2007). Decreased demands on cognitive control reveal the neural processing benefits of forgetting. *Nature Neuroscience*, 10, 908-914.

Badre, D., & Wagner, A. D. (2007). Left ventrolateral prefrontal cortex and the cognitive control of memory. *Neuropsychologia*, 45, 2883-2901.

Preston, A. R., & Wagner, A. D. (2007). The medial temporal lobe and memory. In R. P. Kesner & J. L. Martinez (Eds.). *Neurobiology of Learning and Memory (2nd ed.)*, pp. 305-337. Elsevier, Inc.

Kuhl, B. A., Kahn, I., Dudukovic, N. M., & Wagner, A. D. (2008). Overcoming suppression in order to remember: Contributions from anterior cingulate and ventrolateral prefrontal cortex. *Cognitive, Affective and Behavioral Neuroscience*, 8, 211-221.

Shohamy, D., & Wagner, A. D. (2008). Integrating memories in the human brain: Hippocampal-midbrain encoding of overlapping events. *Neuron*, 60, 378-389.

Race, E. A., Shanker, S., & Wagner, A. D. (in press). Neural priming in human frontal cortex: Multiple forms of learning reduce demands on the prefrontal executive system. *Journal of Cognitive Neuroscience*.

Uncapher, M. & Wagner, A. D. (in press). Posterior parietal cortex and episodic encoding: Insights from fMRI subsequent memory effects and dual attention theory. *Neurobiology of Learning & Memory*.

Ragland, J. D., Cools, R., Frank, M., Pizzagalli, D. A., Preston, A., Ranganath, C., & Wagner, A. D. (in press). CNTRICS final task selection: Long-term memory. *Schizophrenia Bulletin*.

Preston, A. R., Bornstein, A. M., Hutchinson, J. B., Gaare, M. E., Glover, G. H., & Wagner, A. D. (in press). High-resolution fMRI of content-sensitive subsequent memory responses in human medial temporal lobe. *Journal of Cognitive Neuroscience*.1.

Kuhl, B. A., & Wagner, A. D. (in press). Strategic control of memory. In L. Squire et al. (Eds.). *The New Encyclopedia of Neuroscience*.

Kuhl, B. A., & Wagner, A. D. (in press). Forgetting and retrieval. In G. G. Berntson, J. T. Capioppo (Eds.) *Handbook of Neuroscience for the Behavioral Sciences*. John Wiley and Sons.

Race, E. A., Kuhl, B. A., Badre, D., & Wagner, A. D. (in press). The dynamic interplay between cognitive control and memory. In M.S. Gazzaniga (Ed.), *The Cognitive Neurosciences IV*. Cambridge, MA: MIT Press.

### **Sam Wineburg**

Wineburg, S., & Fogo, B. (in press). Testing in history. In Eva Barker, Barry McGaw, & Penelope Peterson (Eds.), *International Encyclopedia of Education*. Amsterdam: Elsevier.

Wineburg, S. (in press). "Teaching American History" program: A venerable past and a challenging future. In K. Woestman & R. Ragland (Eds.) *Teaching American history state by state*. New York: Routledge.

Wineburg, S., & Martin, D. (in press). Tampering with history: Adapting primary sources for struggling readers. *Social Education*.

Reisman, A., & Wineburg, S. (2008). Teaching the skill of contextualizing in history. *Social Studies*, 99(5), 202-207.

Wineburg, S. (2008). Goodbye, Columbus. *Smithsonian Magazine*, 39(2), 98-104.

Martin, D., & Wineburg, S. (2008). Seeing historical thinking. *History Teacher*, 41(3), 1-15.

Wineburg, S., & Monte-Sano, C. (2008). Who is a 'Famous American'? Charting historical memory across the generations. *Phi Delta Kappan*

Martin, D., Wineburg, S., Rosenzweig, R., Leon, S. (2008). Using the World Wide Web to teach historical thinking. *Social Education*.

Wineburg, S., & Monte-Sano, C. (2008). Famous Americans: The changing pantheon of American heroes. *Journal of American History*, 93 (2),1186-1202.

Wineburg, S. (2008). The role of subject matter knowledge in the assessment of teachers. In J. Hattie & L. Ingarvason (Eds). *Assessing Teachers for Professional Certification: The National Board for Professional Teaching Standards – The First Decade*. Mahwah, NJ: Erlbaum.

Wineburg, S., Reisman, A., & Fogo, B. (2007). Historical evidence and evidence for educational claims. *International Journal of Social Education*.

Gottlieb, E., & Wineburg, S. (2007, Dec. 12). The teachers' strike: The day after. *HaAretz/International Herald Tribune*, p. 15.

Wineburg, S. (2007). Unnatural and essential: The nature of historical thinking. *Teaching History*, 129, 6-12.

Wineburg, S., Mosborg, S., Porat, D., & Duncan, A. (2007). *Forrest Gump* and the future of teaching the past. *Phi Delta Kappan*. (cover article), 89 (3), 168-177.

Wineburg, S. (2007, June 6). Opening up the textbook. *Education Week*, 36-37.

### **Terry Winograd**

Kumar, M., and Winograd, T. Gaze-enhanced Scrolling Techniques, *UIST: Symposium on User Interface Software and Technology*. Newport, RI. 2007.

Kumar, M., Garfinkel, T., Boneh, D., and Winograd, T. Reducing Shoulder-surfing by Using Gaze-based Password-entry, *SOUPS: Symposium on Usable Privacy and Security*. Pittsburgh, PA. 2007

Maynes-Aminzade, D., T. Winograd, and T. Igarashi. Eyepatch: Prototyping Camera-based Interaction through Examples. *UIST: ACM Symposium on User Interface Software and Technology*, 2007.

Campbell, Courtney, James Keenan, Daid Loy, Kathleen Matthews, Terry Winograd, and Laurie Zoloth, (2008), The Machine in the Body: Ethical and Religious Issues in the Bodily Incorporation of Mechanical Devices, in B. Lustig et al., *Altering Nature Volume II: Religion, Biotechnology, and Public Policy*, Springer.

Winograd, Terry (2008), Discovering America, in T. Erickson and D. McDonald, *HCI Remixed*,