2022 Curriculum Vitae: Ted Selker

910 Mockingbird Lane Palo Alto CA 94306

ted.selker@gmail.com

Education

Ph.D., Computer Science, 1992 Thesis: **A Framework for Proactive Interactive Adaptive Computer Help**	City University of New York
M.S., Computer & Information Sciences, 1981 Thesis: **Paired Associative Memory**	University of Massachusetts-Amherst
B.S., Applied Mathematics, Honors, 1979 Thesis: **Image Based Focusing**.	Brown University

Employment		**Beginning**	**Ending**
Rochester Institute of Technology,	**Adjunct Faculty**	8/2021	present
Alphyco.com,	**CTO**	12/2020	present
Oregon Fast Respirator Response,	**Member leadership team**	3/2020	present
University of Maryland Baltimore,	**Research Professor**	2018	present
Ultrascanguide.com	**CEO**	2017	present
C3.chat,	**CEO**	2017	present
Magic Leap,	**Wizard**	12/2015	06/2019
Aarhus University,	**Associate Professor**	2015	2018
UC Berkeley,	**Visiting Scholar**	2013	2018
FoldiMate,	**CTO**	09/2012	02/2014
Select2Gether,	**CTO**	06/2012	01/2014
Scanadu,	**Chief Scientist**	07/2011	10/2011
Amazon / Lab 126,	**Future Products Visionary**	7/2010	2/2011
Willow Garage,	**Consultant**	2009	2009
Green Wireless,	**Technical Advisor**	2008	2009
Stanford Computer Science,	**Visiting Professor**	09/2008	09/2009
CMU Silicon Valley,	**Distinguished Service Professor**	08/2008	11/2013
MIT, Media Laboratory,	**Associate Professor**	09/1998	06/2008
One Laptop Per Child,	**Advisor**	2004	2008

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MIT/Caltech Voting Project,	**Co-Director**	01/2004	06/2008
Vert,	**Board of Directors, Consultant**	1998	2000
XIFT,	**Advisor**	1998	1999
Selker Design Research, Innovation Speaker, Inventor for Hire,	**CEO**	09/1998	present
IBM Research Center,	**IBM Fellow**; **Senior Manager, Scientist**	08/1985	10/1999
Stanford University, Computer Science,	**Adjunct Associate Professor**	1994	1998
PARC,	**Consulting Researcher**	1984	1985
Stanford University, Computer Science,	**Teaching Fellow and Robotics RA**	09/1981	08/1985
Atari Sunnyvale Research Lab,	**Research Scientist**	05/1983	04/1984
University of Massachusetts, Amherst,	**Research Assistant**	05/1980	12/1980
Hampshire College,	**Lecturer, Director HALCOGS**	09/1979	05/1980
Brown & Sharpe,	**Product Designer**	06/1978	09/1978
Brown University,	**Photo Editor**	09/1976	06/1978
Brown University,	**Research Assistant**	06/1978	09/1978
Weyerhaeuser Research,	**Research Intern**	06/1974	09/1976

Refereed Publications

1. Ted Selker, Enka Blanchard. Improving Usability and Security of Mail in Ballots, *RoCHI*, International Conference on Human-Computer Interaction, ISSN 2501-9422 Oct 2022

2. Phrase-Verified Voting: Verifiable Low-Tech Remote Boardroom Voting. Enka Blanchard, Ryan Robucci, Ted Selker, Alan Sherman. *Cryptologia*.,Nov 2021

3. Towards an Empirical Cost Model for Mental Password Algorithms. Enka Blanchard, Ted Selker, Florentin Waligorski. *CHI '20* Extended Abstracts on Human Factors in Computing Systems. Honolulu Hawaii, Apr 2020.

4. Origami Voting: A Non-Cryptographic Approach to Transparent Ballot Verification. Enka Blanchard, Ted Selke 5th
Workshop on Advances in Secure Electronic Voting – *VOTING'20*. Kota Kinabalu, Malaysia, Feb. 2020.

5. Cue-Pin-Select, a Secure and Usable Offline Password Scheme. Enka Blanchard, Levi Gabasova, Ted Selker, Eli Sennesh, *COMPSAC 2020*, Madrid, July 2020.

6. Consonant-Vowel-Consonants for Error-Free Code Entry. Enka Blanchard, Leila Gabasova, Ted Selker. HCI for Cybersecurity, Privacy and Trust - First International Conference, *HCI-CPT 2019*, Part of the 21st HCI International Conference, HCII 2019, Orlando, FL, USA, July 2019.

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7. Reflexive Memory Authenticator: A Proposal for Effortless Renewable Biometrics. Enka Blanchard, Siargey Kachanovich, Ted Selker, Florentin Waligorski. Emerging Technologies for Authorization and Authentication - Second International Workshop, *ETAA 2019*, Luxembourg City, Luxembourg, Sept. 2019.

8. Moving to Client-Sided Hashing for Online Authentication. Enka Blanchard, Xavier Coquand, Ted Selker.9th Workshop on Socio-Technical Aspects in Security and Trust – *STAST 2019*. Luxembourg, Sept. 2019.

9. Mots de Passe: Le Choix Humain plus sécurisé Que la Génération Aléatoire. Enka Blanchard, Clément Malaing Ted Selker. *ALGOTEL 2018* - 20èmes Rencontres Francophones sur les Aspects Algorithmiques des Télécommunications. Roscoff France, May 2018.

10. Créer de tête de Nombreux Mots de Passe Inviolables et inoubliables. Enka Blanchard, Leila Gabasova, Ted Selker, Eli Sennesh. ALGOTEL 2018 - 20èmes Rencontres Francophones sur les Aspects *Algorithmiques des Téblécommunications*. Roscoff France, May 2018.

11. Improving Voting Technology is Hard: The Trust-Legitimacy-Participation Loop and Related Problems. Enka Blanchard, Ted Selker. 8th Workshop on Socio-Technical Aspects in Security and Trust – *STAST 2018*. San Juan PR. Dec. 2018.

12. Improving Security and Usability of Passphrases with Guided Word Choice. Enka Blanchard, Clément Malaing Ted Selker. *Proceedings of the 34th Annual Computer Security Applications Conference, ACSAC 2018*, San Ju PR, USA, Dec. 2018.

13. Designing for Peripheral Interaction: Seamlessly Integrating Interactive Technology in Everyday Life. Editors Saskia Bakker, Doris Hausen, Elise van den Hoven, Ted Selker. *Interaction Design and Architecture Journal (IxD&A*), Spring 2016.

14. An Adaptive Mediating Agent for Teleconferences. Rahul Rajan, Ted Selker. Intelligent systems for supporting distributed human teamwork, *AAAI 2016 Spring Symposium*, Stanford CA, March 2016.

15. Task Load Estimation & Mediation Using Psychophysiological Measures. Rahul Rajan, Ted Selker, Ian Lane. *Proceedings IUI2016*, Sonoma CA, March 2016.

16. Tactile Communication in Extreme Contexts: Exploring the Design Space Through Kiteboarding. Andre Schmidt Mads Kleemann, Timothy Merritt, Ted Selker. *Proceedings Interact*, Bamberg, Germany, Sept 2015.

17. Multi-finger Chords for Hand-Held Tablets: Recognizable and Memorable. Julie Wagner, Eric Lecolinet, Ted Selker. *Proceedings CHI2014.* Toronto, Canada, April 26 2014. (Best Paper Honorable Mention Award)

18. The sweetfeedback: The platform for persuasive Technology,Chihiro Suga, Ted Selker. *Companion Publication of the 2014 ACM SIGCHI Conference on Designing Interactive Systems Conference,* DIS '14*,* Vancouver, BC, Canada, June 21-25, 2014. pages 105-108, ACM, 2014.

19. An Infrastructure for Supporting Considerate Sensor Systems Provisioning. Jia Zhang, Nimish Radia, Zhipeng Li, Norman Xin, Youan Ren, Prateek Sachdeva, Puja Subranmanyam, Sky Hu, Song Luan, Lydian Le, Bo Xing, Du Li, Jordan Cao, Ted Selker, Bob Iannucci, Martin Griss, Anthony Rowe. *SOCA2013.* Kauai, Hawaii, Dec. 20

20. Beyond Rhetoric to Poetics in IT Invention, Annie Gentes, Ted Selker. *Proceedings Interact,* Cape Town, South Africa, Sept. 2013.

21. Roger That!- The Value of Adding Social Feedback in Audio-Mediated Communications. Rahul Rajan, Joey Hsiao, Ted Selker. *Proceedings Interact,* Cape Town, South Africa, Sept. 2013.

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22. Multi-Focus and Multi-Level Techniques for Visualization and Analysis of Networks with Thematic Data Exploration. Michele Cossalter, Ole Mengshoel, Ted Selker. *IS&T/SPIE Symposium on Electronic Imaging,* Feb. 2013.

23. Multi-focus and Multi-Window Techniques for Interactive Network Exploration. Priya Krishnan Sundararajan, Ole Mengshoel and Ted Selker. *Exploration IS&T/SPIE Symposium on Electronic Imaging,* Feb 3-7, 2013.

24. Considerate Audio MEdiating Oracle (CAMEO): Improving Human-to-Human Communications in Conference Calls. Rahul Rajan, Cliff Chen, Ted Selker. *Proceedings Designing Interactive Systems,* DIS 2012, Newcastle, UK, June 11-15, 2012.

25. Considerate Supervisor: An Audio-Only Facilitator for Multiparty Conference Calls. Rahul Rajan, Cliff Chen, Ted Selker. *CHI 2012 Works In Progress,* Austin, TX, May 10, 2012.

26. SmartPhones Can Recognize Stress-Induced Hand Tremor. Ted Selker, Will Dayton, Patricia Collins. *Proceedings MobACC, Interact,* Lisbon, Portugal, Sept. 2011.

27. Attention and Intention Goals Can Mediate Disruption in Human Computer Interaction. Ernesto Arroyo, Ted Selker. *Proceedings Interact,* Lisbon, Portugal Sept. 2011.

28. TravelRole: A Carpooling/ Physical Social Network Creator. Ted Selker, Paula Helen Saphir. *Proceedings 2010 International Symposium on Collaborative Technologies and Systems,* Chicago, IL, May 2010.

29. Understanding Considerate Systems - UCS (pronounced: You See Us). Ted Selker. *Proceedings 2010 Internatio Symposium on Collaborative Technologies and Systems,* Chicago, IL, May 2010.

30. Who Said What When? Capturing the Important Moments of a Meeting. Shoou-Jong Yu, Ted Selker. *Proceedings of CHI10 Extended Abstracts on Human Factors in Computing System,* Atlanta, GA, April 2010.

31. Meeting Essence II, Capturing the Important Moments of a Meeting (poster). Shoou-Jong Yu, Ted Selker. *Proceedings HotMobile2010,* Annapolis, MD, Feb. 2010.

32. Process Is Technology: Coming to Terms with Systems-Level Problems and Human-Factors Failures with Voting. *Presented at WOTE,* Ottawa, Canada, June 20-21 2007.

33. What You Said About Where You Shook Your Head: A Hands-Free Implementation of a Location-Based Notification System. Eric M. Jones, Ted Selker, Hymin Chung. *CHI 2007,* May 2, San Jose, CA, 2007

34. Emotionally Reactive Television. Chia-Hsun Jackie Lee, Ted Selker, Chaochi Chang, Hyemin Chung. *Proceedings 2007 International Conference on Intelligent User Interfaces.* Honolulu HI, Jan. 2007.

35. Enhancing Interface Design Using Attentive Interaction Design Toolkit. Chia-Hsun Jackie Lee, Jon Wetzel, Ted Selker. *Proceedings Educational Program of ACM SIGGRAPH 2006,* Boston, MA, July 2006.

36. A Methodology for Testing Voting Systems. Ted Selker, Elizabeth Rosenzweig, Anna Pandolfo. *Journal of Usability Studies,* Vol. 1, Issue 5, Nov. 2006.

37. Usability Tool for Analysis of Web Designs Using Mouse Tracks. Ernesto Arroyo, Ted Selker, Willy Wei. *CHI 06 Extended Abstracts on Human Factors in Computing Systems,* Montreal, Canada, pp. 484-489, Apr. 2006.

38. A Sense of Spatial Semantics. Matthew Hockenberry, Ted Selker. *CHI 06 Extended Abstracts on Human Factors Computing Systems*, Montreal, Canada, pp. 851-856, Apr. 2006.

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39. Augmenting Voting Interfaces to Improve Accessibility and Performance. Jonathan A. Goler, Edwin J. Selker, Lorin F. Wilde. *CHI 06 Workshop*, Montreal, Canada, Apr. 2006.

40. Lovers Cups: Drinking Interfaces as New Communication Channels (alt.chi). Hyemin Chung, Chia-Hsun Jackie Lee, Ted Selker. *Extended Abstracts CHI 06,* Montreal, Canada, pp. 375-380, Apr. 2006.

41. CarCoach: a Polite and Effective Driving Coach. Ernesto Arroyo, Shawn Sullivan, Ted Selker. *alt.chi, CHI 06 Extended Abstracts,* Montreal, Canada, pp. 357-362, Apr. 2006.

42. Attention Meter: A Vision-Based Input Toolkit for Interaction Designers. Chia-Hsun Jackie Lee, Chiun-YI Ian Jang, Ting Han Daniel Chen, Jon Wetzel, Yang-Ting Bow Shen, Ted Selker. *CHI 06 Extended Abstracts,* Montre Canada, pp. 1007-1012, April 2006.

43. Augmenting Kitchen Appliances with a Shared Context Using Knowledge about Daily Events. Chia-Hsun Jackie Lee, Leonardo Bonanni, Jose H. Espinosa, Henry Lieberman, Ted Selker. *Proceedings of the 11th International Conference on Intelligent User Interfaces,* Sydney, Australia, pp. 348-350, Jan. 2006.

44. iSphere: A Free-Hand 3D Modeling Interface. Chia-Hsun J. Lee, Yuchang Hu, Ted Selker. *International Journal Architectural Computing,* Vol. 4, No. 01, pp. 19-31, Jan. 2006. Fostering Motivation and Creativity for Computer Users, Special Creativity and Computation Support.

45. Fostering Motivation and Creativity for Computer Users. Ted Selker. *International Journal of Human-Computer Studies,* Vol. 63, No. 4-5, Crete, Greece, pp. 410-421, Oct. 2005.

46. Cooking with the Elements: Intuitive Immersive Interfaces for Augmented Reality Environment. Leonardo Bonanni, Chia-Hsun Lee, Ted Selker. *Proceedings Interact 2005,* Rome, Italy, pp. 1022-1025, Sept. 2005.

47. Exploring Feedback and Persuasive Techniques at the Sink. Leonardo Bonanni, Ernesto Arroyo, Chia-Hsun Lee, Ted Selker. *Interactions Special Issue: Ambient Intelligence: The Next Generation of User Centeredness,* Vol. 12, No. 4, pp. 25-28, July-Aug. 2005.

48. Abbrevicons: Efficient Feedback for Audio Interfaces. Matthew Hockenberry, Sharon Cohen, Zachary Ozer, Tiffany Chen, Ted Selker. *Proceedings of Interact 2005,* Rome Italy, pp. 1079-1082, Sept. 2005.

49. Synesthetic Recipes: Foraging for Food with the Family in Taste-space. Hugo Liu, Matthew Hockenberry, Ted Selker. *Proceedings of ACM SIGGRAPH 2005,* Los Angeles, CA, July 2005.

50. Voting Technology: Election Auditing Is an End-to-End Procedure. Ted Selker. *Science,* Vol. 308, pp. 1873-1874, June 24, 2005.

51. PlaceMap: Building Community Through Active Context Mapping. Matthew Hockenberry, Rob Gens, Ted Selker. *Proceedings of ACM SIGGRAPH 2005,* Los Angeles, CA, July, 2005.

52. iSphere: A Proximity-Based 3D Input Interface. Chia-Hsun Lee, Y. Hu, Ted Selker. Proceedings of CAAD Futures 2005 Conference, Vienna, Austria, pp. 281-290, June 2005.

53. A Day of Poll Watching, Reno and Sparks Nevada. Ted Selker. User *Experience Magazine,* Vol. 4, No. 1, Spring 2005.

54. Technology in the Home: Waterbot: Exploring Feedback and Persuasive Techniques at the Sink. Ernesto Arroyo, Leonardo Bonanni, Ted Selker. *Proceedings of CHI 05,* Portland, OR, pp. 631-639, Apr. 2005.

55. Attention-Based Design of Augmented Reality Interfaces (poster). Leonardo Bonanni, Chia-Hsun Lee, Ted Selker. *Proceedings of CHI 05,* Portland, OR, pp. 1228-1231, Apr. 2005.

56. Smart Sinks: Real World Opportunities for Context-Aware Interaction (poster). Leonardo Bonanni, Ernesto Arroyo, Chia-Hsun Lee, Ted Selker. *Extended Abstracts of CHI 05,* Portland, OR, pp. 1232-1235, April 2005.

57. Dishmaker: Personal Fabrication Interface. Leonardo Bonanni, Sam Sarcia, Sudodh Paudel, Ted Selker. *alt.chi, Extended Abstracts of CHI 05,* Portland, OR, pp. 2231-2233, Apr. 2005.

58. Counter Intelligence: Augmented Reality Kitchen. Leonardo Bonanni, Chia-Hsun Lee, Ted Selker. *Proceedings of CHI 05,* Portland, OR, pp. 2239-2245, Apr. 2005.

59. CarCoach: A Generalized Layered Architecture for Educational Car Systems. Taly Sharon, Ted Selker, Lars Wagner, Ariel J. Frank. *IEEE Intl. Conference on Software, Science, Technology & Engineering,* pp. 13-22, Feb. 2005.

60. Smart Environments and Ubiquitous Computing: A Framework for Designing Intelligent Task-Oriented Augment Reality User Interfaces. Leonardo Bonanni, Chia-Hsun Lee, Ted Selker. *Proceedings of the 10th International Conference on Intelligent User Interfaces,* San Diego, CA, pp. 317-319, Jan. 2005.

61. The Living Center (TLC): A Web Page That Think With Its Users. Ted Selker. *Proceedings of the International Conference on Multimedia and Information and Communications Technologies, Badajoz, Spain, Oct. 2004, Journal of Digital Contents. Special issue on Digital Learning-Teaching Environments and Contents,* Vol. 2, No. pp. 116-120, Formatex, Badajoz, Spain, 2004.

62. Visual Attentive Interfaces. Ted Selker. *BT Technology Journal,* Vol. 22, No. 4, pp. 146-150, Oct. 2004.

63. Fixing the Vote-What Electronic Ballots Can Do for Democracy. Ted Selker. *Scientific American,* pp. 92-97, Oct. 2004.

64. The SAVE System-Secure Architecture for Electronic Voting. Ted Selker, Jon Goler. *BT Technology Journal,* Vol. 22, No. 4, pp. 89-19, Oct. 2004.

65. The Living Center (TLC): A Web Page That Thinks with Its Users. Ted Selker. *Journal of Digital Contents. Spec issue on Digital Learning-Teaching Environments and Contents,* Vol. 2, No. 1, pp. 116-120, Formatex, Badajoz, Spain, 2004.

66. Drift Catcher: The Implicit Social Context of Email. Andrea Lockerd, Ted Selker. *Proceedings of INTERACT 03: IFIP TC13,* Zurich, Switzerland, Sept. 2003.

67. Voting: User Experience, Technology and Practice (panel). Ted Selker, Eric A. Fischer, Benjamin B. Bederson, Conny McCormack, Clifford Nass. *Extended Abstracts of CHI 03,* Ft. Lauderdale, FL, pp. 700-701, Apr. 2003.

68. Visualizing the Affective Structure of a Text Document. Hugo Liu, Henry Lieberman, Ted Selker. *Extended Abstracts of CHI 03,* Ft. Lauderdale, FL, pp. 740-741, Apr. 2003.

69. World Wide Web: Mr. Web: an Automated Interactive Webmaster. Andrea Lockerd, Huy Pham, Taly Sharon, Ted Selker. *Extended Abstracts of CHI 03,* Ft. Lauderdale, FL, pp. 812-813, Apr. 2003.

70. Attentive User Interfaces: Interacting with Groups of Computers. Jeff Shell, Ted Selker, Roel Vertegaal. *Communications of the ACM,* Vol. 46, No. 3, pp. 40-46, March 2003.

71. A Zero-Input Interface for Leveraging Group Experience in Web Browsing (Poster). Taly Sharon, Henry Lieberman, Ted Selker. *Proceedings of 8th International Conference on Intelligent User Interfaces,* Miami Beach, FL, pp. 290-292, Jan. 2003.

72. A Model of Textual Affect Sensing Using Real-World Knowledge. Hugo Liu, Henry Lieberman, Ted Selker. *Proceedings of the 8th International Conference on Intelligent User Interfaces,* Miami Beach, FL, pp. 125 132, Jan. 2003. Recipient of conferences Outstanding Paper Award.

73. Self-Adaptive Multimodal-Interruption Interfaces. Ernesto Arroyo, Ted Selker. *Proceedings of 8th International Conference on Intelligent User Interfaces,* Miami Beach, FL, pp. 6-11, Jan. 2003.

74. A Test-Bed for Intelligent Eye Research. Ted Selker, Jessica Scott, Winslow Burleson. *LREC 2002, Workshop on Multi-Modal Resources and Multi-Modal System Evaluation,* Canary Islands, Spain, pp. 78-83, June 2002.

75. Creativity and Interface. Winslow Burleson, Ted Selker, guest editors. *Communications of the ACM* (Special Issu Vol. 45, No. 10, pp. 88-90, Oct. 2002.

76. GOOSE: A Goal-Oriented Search Engine with Common sense. Hugo Liu, Henry Lieberman, Ted Selker. *Adaptiv Hypermedia and Adaptive Web-Based Systems, Proceedings of 2nd International Conference AH 2002,* Malaga, Spain, pp. 253-263, May 2002. Recipient of Best Artificial Intelligence Paper from Spanish Association for Artificial Intelligence.

77. Chameleon Tables: Using Context Information on Everyday Objects (poster). Ted Selker, Ernesto Arroyo, Winslo Burleson. *CHI 02 Extended Abstracts on Human Factors in Computing Systems,* Minneapolis, MN, pp. 580-581, April 2002.

78. E-Windshield: A Study of Using (demonstration). Ted Selker, Winslow Burleson, Ernesto Arroyo. *CHI 02 Extended Abstract on Human Factors in Computing System,* Minneapolis, MN, pp. 508-509, April 2002.

79. Sensing and Effecting Environment with Extremity-Computing Devices. Vadim Gerasimov, Ted Selker, Walter Bender. *Motorola Offspring,* Vol. 1, No. 1, pp. 1-9, 2002.

80. Eye Pattern Analysis in Intelligent Virtual Agents. Michael Li, Ted Selker. *IVA 01 Proceedings of the Third International Conference on Intelligent Virtual Agents,* Madrid, Spain, pp. 23-35, Sept. 10-11, 2001.

81. Eye-R, a Glasses-Mounted Eye Motion Detection Interface (poster). Ted Selker, Andrea Lockerd, Jorge Martinez. *CHI 01 Extended Abstracts on Human Factors in Computing Systems,* Seattle, WA, pp. 179-180, March 2001.

82. An Architecture for Developing Attentive Information Systems. Paul Maglio, Chris Campbell, Rob Barrett, Ted Selker. *Knowledge-Based Systems,* Vol. 14, No. 1-2, pp. 103-110, March 2001.

83. Affecting Humanity. Ted Selker. *Communications of the ACM,* Vol. 44, No. 3, p. 45, March 2001.

84. Social Floor. Ted Selker, Winslow Burleson. *OZCHI Conference. Proceedings, Interface Reality in the New Millennium,* Dec. 2000.

85. Smart Boxes: A Design Study. Ted Selker, Winslow Burleson. *OZCHI Conference Proceedings, Interface Reality in the New Millennium,* Dec. 2000.

86. Music Ball: An Adaptive, Gesture-Based Musical Instrument. Ted Selker, Jessy Pavel. *OZCHI Conference Proceeding of Interface Reality in the New Millennium,* pp. 162-163, Dec. 2000.

87. Out of Context: Computer Systems That Adapt to and Learn from Context. Henry Lieberman, Ted Selker. *IBM Systems Journal,* Vol. 39, Nos. 3-4, pp. 617-632, Oct. 2000.

88. Context-Aware Design and Interaction in Computer Systems. Ted Selker, Winslow Burleson. *IBM Systems Journal,* Vol. 39, Nos. 3-4, pp. 880-891, Oct. 2000.

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89. SUITOR: An Attentive Information System. Paul Maglio, Robert Barrett, Chris Campbell, Ted Selker. *Proceedings of the 5th International Conference on Intelligent User Interfaces,* New Orleans, LA, pp. 169-176, Ja 2000.

90. Context-Aware Office Assistant. Hau Yan, Ted Selker. *Proceedings of the 5th International Conference on Intelligent User Interfaces,* New Orleans, LA, pp. 276-279, Jan. 2000.

91. In Search of the Magic Carpet: Design and Experimentation of a Bimanual 3D Navigation Interface. Shumin Zhai, Eser Kandogan, Barton A. Smith, Ted Selker. *Journal of Visual Languages and Computing,* Vol. 10, No. 1, pp. 3-17, Academic Press, Feb. 1999.

92. Landmarks to Aid Navigation in a Graphical User Interface. Wendy Ark, D. Christopher Dryer, Ted Selker, Shum Zhai. *Proceedings of Workshop on Personalized and Social Navigation in Information Space,* Stockholm, Sweden, March 1998.

93. Representation Matters: The Effect of 3D Objects and a Spatial Metaphor in a Graphical User Interface. Wendy Ark, D. Christopher Dryer, Ted Selker, Shumin Zhai. *Proceedings of People and Computers XIII, HCI'98,* pp. 20 219, ACM Press, 1998.

94. Graphical Means of Directing UsersAttention in the Visual Interface. Sabra-Ann Kelin, Ted Selker, Julie Wright, Shumin Zhai. *Proceedings of INTERACT 97,* Sydney, Australia, pp. 59-66, July 1997.

95. Improving Browsing Performance: A Study of Four Input Devices for Scrolling and Pointing Tasks. Ted Selker, Barton Smith, Shumin Zhai. *Proceedings of INTERACT 97,* Sydney, Australia, pp. 286-292, July 1997.

96. Visual Attention Techniques in the Graphical User Interface. Sabra-Ann Kelin, Ted Selker, Julie Wright, Shumin Zhai. *SPIE/IS&T Proceedings of Conference on Human Vision and Electronic Imaging II,* pp. 3016-3026, Feb. 1997.

97. What Will Happen in the Next 50 Years? Ted Selker. *Communications of the ACM,* Vol. 40, No.2, pp. 88-89, Feb. 1997.

98. New Paradigms for Computing (Guest Editor). Ted Selker. *Communications of the ACM,* Vol. 39, No. 8, pp. 60-69, Aug. 1996.

99. New Paradigms for Computing (Editorial). Ted Selker. *Communications of the ACM,* Vol. 39, No. 8, pp. 28-30, Aug. 1996.

100. Dual Stream Input for Pointing and Scrolling. Ted Selker, Barton Smith, Shumin Zhai. *Extended Abstracts of CHI 97,* pp. 305-306, Apr. 1996.

101. Negative Inertia: A Dynamic Pointing Function. Robert Barret, E. J. Selker, Joe Rutledge, Robert Olyha. *Conference Companion on Human Factors in Computing System,* Denver, Colorado, pp. 316-317, May 1995.

102. The Uniform Memory Hierarchy Model of Computation. Bowen Alpern, Larry Carter, Ephraim Feig, Ted Selker. *Algorithmica,* Vol. 12, Nos. 2-3, pp. 72-109, Aug.-Sept. 1994.

103. COACH: A Teaching Agent That Learns. Ted Selker. *Communications of the ACM,* Vol. 37, No. 7, pp. 92-99, July 1994.

104. Visualizing Computer Memory Architectures. Bowen Alpern, Larry Carter, Ted Selker. *Proceedings of the 1st Conference on Visualization-90,* pp. 107-113, San Francisco, CA, Oct. 1990.

105. Force-to-Motion Function for Pointing. Joseph D. Rutledge, Ted Selker. *Proceedings of INTERACT: IFIP International Conference on Human-Computer Interaction,* Amsterdam, Netherlands, pp. 701-706, Aug. 1990.

106. Cognitive Adaptive Computer Help (COACH). Ted Selker. *Proceedings of Fourth International Conference on AI and Education,* Amsterdam, The Netherlands, pp. 25-34, May 1989

107. Elements of Visual Language. Ted Selker, Larry Koved. *Proceedings of IEEE Workshop on Visual Languages,* pp. 38-44, Oct. 1988.

108. The Cognitive Adaptive Computer Help Interface. Ted Selker. *Expert Systems Newsletter ESN8803,* Oct. 1988.

109. A Framework for Comparing Systems with Visual Interfaces. Ted Selker, Cathy Wolf, Larry Koved. *Proceedings of INTERACT,* pp. 683-688, Sept. 1987.

110. Ted Selker.Image-based focusing. Robotics and Industrial Inspection. pp. 96-99, Vol 360, 1983.

Other Publications

1. Boardroom Voting: Practical Verifiable Voting with Ballot Privacy Using Low-Tech Cryptography in a Single Room. Enka Blanchard, Ted Selker, Alan T. Sherman.

2. Knowledge-Guided Interpretation and Generation of Task-Oriented Dialogue. Alfredo Gabaldon, Pat Langley, Ben Meadows, Ted Selker. p. 27, *In Situated Dialog in Speech-Based Human-Computer Interaction,* Rudnicky, A., Raux, A., Lane, I., Misu, T. (Eds.) ISBN 978-3-319-21834-2, 2016.

3. Peripheral Interaction: Challenges and opportunities for HCI in Periphery of Attention, Saskia Bakker, Doris Hausen, Elise van den Hoven, Ted Selker, *Edited book,* Springer-Verlag, London Ltd. Apr. 2016.

4. Human-Computer Interaction and Public Policymaking Internationally; A Foundation for Understanding and Taking Future Actions. Jonathon Lazar with Julio Abascal, Simone Barbosa, Jeremy Barksdale, Elizabeth F. Churchill, Lorrie Faith Cranor, Janet Davis, Batya Friedman, Jens Grossklags, Jan Gulliksen, Alan Hedge, Harry Hochheiser, Juan Pablo Hourcade, Jeff Johnson, Clayton H Lewis, Tom McEwan, Loic Martinez-Normand, Wibke Michalk, Lisa Nathan, Fabio Paterno, Blake Reid, Ted Selker, Janice Tsai, Gerrit van der Veer, Hans von Axelson, Ake Walldius, Brian Wentz, Gill Whitney, Marco Winckler, Volker Wulf. *Foundations and Trends. Human Computer Interaction*: Vol. 9: 2016, http://dx.doi.org/.

5. SweetBuildingGreeter: A Demonstration of Persuasive Technology for Public Space. Ted Selker, Shih-Yuan Yu, Che-Wei Liang, Jane Hsu. Invited Paper. *Proceedings HCI International*, Los Angeles, CA, Aug. 2015

6. Polling Place Support Tool; User Interface to Plan and Run Polling Places. Ted Selker, Shama Hoque. Invited Paper. *Proceedings HCI International*, Los Angeles, CA, Aug. 2015

7. Research On Accessible Voting. Ted Selker, Dan Gillette, Linda Avendano, Shama Hoque, Kate Liu, Minh Pham, Mike Vroomen. Final Report to US Government Election Assistance Commission, July 2014.

8. Android Product Development course posters. Mobicase, Oct. 2010.

9. A Secure Architecture for Voting Electronically (SAVE). Jonathan Goler, Edwin Selker. *Chapter in Towards Trustworthy Elections,* Springer-Verlag, 2010.

10. Meeting Essence II: Capturing the Important Moments of a Meeting. Shoou-Jong Yu, Ted Selker. *Proceedings of HotMobile 2010,* Annapolis, MD. Feb. 2010.

11. The Technology of Access: Allowing People of Age to Vote for Themselves. Ted Selker. *McGeorge law*

Review No. 4, Vol. 38, pp. 1113-1136, 2009.

12. The Art and Science of Studying Election Fraud - Detection, Prevention, and Consequences, edited by Michael Alvarez, Thad E. Hall, and Susan D. Hyde. *Brookings.* (Chapter by Ted Selker) Fall 2008.

13. Fostering Motivation and Creativity for Computer Users. Ted Selker. *Proceedings of NSF CreativeIT Workshop* at Arizona State University, Phoenix, AZ. http://swiki.cs.colorado.edu:3232/CreativeIT/205, Jan. 2008.

14. User Experience, Technology, and Fraud Prevention in Voting Systems. Ted Selker. *VTP Election Fraud Workshop,* University of Utah, Salt Lake City, UT, Sept. 2006.

15. A Mindset for User-Centered Spatial Applications. Ted Selker, Matthew Hockenberry, Jeff Hoff, Rob Gens. *Cognitive Processing,* Vol. 7, pp. 49-51, Sept. 2006.

16. Voter Removal from Registration List Based on Name Matching is Unreliable. Ted Selker, Alexander Bauer. *Caltech/MIT Voting Technology Project Working Paper #32,* Jan. 2006.

17. North Carolina Voting System Hardware Certification Report. Ted Selker. Dec. 2005.

18. Threat Discussion on Voting System Configuration Issues & Problems. Jeremy Creelan, Dana DeBeauvoir, Douglas Jones, Avi Rubin, Ronald Rivest, Ted Selker, Michael Shamos. *Developing an Analysis of Threats to Voting Systems: Workshop Summary,* Gaithersburg, Maryland, Oct. 7, 2005.

19. An Active Approach to Voting Verification. Ted Selker, Sharon Cohen. *Caltech/MIT Voting Technology Project Working Paper #28,* http://vote.caltech.edu/media/documents/wps/vtp_wp28.pdf, May 2005.

20. Letter: Ted Selker. *Scientific American,* p. 7, Feb. 2005.

21. Who Does Better with A Big Interface? Improving Voting Performance of Reading for Disabled Voters. Ted Selker, Jonathan Goler, Lorin Wilde. *Caltech/MIT Voting Technology Project Working Paper #24,* Feb. 2005.

22. Orienting Graphical User Interfaces Reduces Errors: The Low Error Voting Interface. Ted Selker, Matt Hockenberry, Jonathan Goler, Shawn Sullivan. *Caltech/MIT Voting Technology Project Working Paper #23,* Feb. 2005.

23. Design Principles for Tools to Support Creative Thinking. Mitchel Resnick, Brad Myers, Kumiyo Nakakoji, Ben Shneiderman, Randy Pausch, Ted Selker, Mike Eisenberg. *Creativity Support Tools* A workshop sponsored by the NSF, pp. 25-36, Washington, DC, Sept. 2005.

24. Touch-Screen Voting Should Be a Help. Ted Selker. New York Newsday, Oct. 10, 2004.

25. Process Can Improve Electronic Voting: A Case Study of an Election. Ted Selker. *Caltech/MIT Voting Technology Project Working Paper #19,* Oct. 2004.

26. Old Voting Technologies: Problems and Improvements. *Scientific American,* Sep. 2004.

27. The Voter Verifiable Audio Audit Transcript Trail (VVAATT). Ted Selker. *Caltech/MIT Voting Technology Project Working Paper #18,* Sep. 2004.

28. The SAVE System: Secure Architecture for Voting Electronically Existing Technology, with Built-in Redundancy, Enables Reliability. Ted Selker, Jonathan Goler. *Caltech/MIT Voting Technology Project Working Paper #12,* Jan. 2004.

29. Ireland First Report of the Commission on Electronic Voting, appendix C; Evaluation of Voting Machine, Peripherals and Software. Richard Sinnott, Ted Selker, Bil Lewis, Brendan Whenlan, James Williams, James McBride. May 2004.

30. Security Vulnerabilities and Problems with Voter Verifiable Paper Trail. Ted Selker, Jonathan Goler. *Caltech/MIT Voting Technology Project Working Paper #16,* Apr. 2004.

31. Certification and Voting Software: Position Statement. Ted Selker. *Caltech/MIT Voting Technology Project Working Paper #15,* Apr. 2004.

32. Canopy Climb: A Rope Interface. Win Burleson, Ted Selker. *Proceedings of The SIGGRAPH 2003 Sketches and Applications,* San Diego, CA, p. 1, July 2003.

33. DriftCatcher: Enhancing Social Networks through Email. Andrea Lockerd, Ted Selker. *International Sunbelt Social Networks Conference XXII: Understanding, Recognizing, and Enhancing Online Communication Networks,* Feb. 2002.

34. Voting - What Was, What Could Be. R. Michael Alvarez, S. Ansolabehere, Eric Antonsson, Suki Bruck, Steve Graves, Tom Palfrey, Ron Rivest, Ted Selker, Alex Slocum, Charles S. Stewart. *Caltech/MIT Voting Technology Project,* July 2001.

35. Context-Aware Design and Interaction in Computer Systems: Media Bed. Ted Selker, Winslow Burleson. *Proceedings of the AAAI Fall Symposium Socially Intelligent Agents - The Human in the Loop,* Sept. 2000.

36. Research Report: A Look at Human Interaction with Pervasive Computers. Wendy Ark, Ted Selker. *IBM RC 10154,* Aug. 1999.

37. Style and Function of Graphic Tools. Ted Selker. *Proceedings of 1999 Graphics Interface Conference,* Kingston, Ontario Canada, pp. 123-131, June 1999.

38. Cognitive Adaptive Computer Help (COACH), A Case Study. Ted Selker. *Chapter in Advances in Computers,* Vol. 47, M Zelkowitz, Editor, Elsevier Press, pp. 69137, 1998.

39. A Conversation with Ted Selker. Kate Ehrlich. *Interactions,* Vol. 4, No.5, pp. 34-47, Sept.-Oct. 1997.

40. AIM: A New Approach for Meeting Information Needs. Robert C Barret, Ted Selker. *IBM RC 9983,* Oct. 1995.

41. Negative Intertia: A Dynamic Pointing Function. Robert C. Barret, Ted Selker. *IBM RC 9944,* March 1995.

42. Finding What I Am Looking For: An Information Retrieval Agent. Robert C. Barret, Edwin J. Selker. *IBM RC 9816,* May 1994.

43. Making a Usable In-Keyboard Pointing Device: The TrackPoint II Story. Ted Selker. *IBM RC 9700,* Feb. 1994.

44. A Long, Thin Flexible Transformer. Ted Selker, Jason M. Jacobs. *IBM RC 83542,* Oct. 1993.

45. TrackPoint II: The In-Keyboard Pointing Device. Ted Selker, Joe Rutledge. *IBM Personal Systems Technical Solutions,* pp. 16-17, Jan. 1993.

46. A Better Way to Help. Ted Selker. *IBM ResearVch Magazine,* No. 4, 1992.

47. Intelligent Tutor Systems: Limitations of Current Representations. Ted Selker, F.N. Linton. *IBM RC 17584,* Jan. 1992.

48. A Framework for Proactive Interactive Adaptive Computer Help. Ted Selker. *IBM RC 17597,* Jan. 1992.

49. Finger Force Precision for Computer Pointing. Ted Selker, Joe Rutledge. *IBM RC 17342,* Oct. 1991.

50. Demonstrating Usability Improvements in Automatically Presented Adaptive Help. Ted Selker, Kevin Goroway. *IBM RC 16910,* May 1991.

51. Graphics as Visual Language. Ted Selker, Art Appel. *Chapter in Handbook of Statistics,* Vol. 9, Elsevier Science Publishers BV, pp. 825-855, Apr. 1991.

52. Visual Elements Workspace (VIEW) Scenario. Ted Selker. *IBM RC 15513,* Feb. 1990.

53. Room with a View (RWAV): A Metaphor for Interactive Computing. Larry Koved, Ted Selker. *IBM RC 10809,* Jan. 1990.

54. Algebraic Types and Object-Oriented Programming. Eric Wagner, Ted Selker, Joe Rutledge. *6th Workshop on Specification of Abstract Data Types,* Berlin, Germany, Aug. 29-Sep. 1988.

55. A High Tech, High Security Employee Identification Badge. David Smith, Ted Selker. *IBM RC 13135,* Sep. 1987.

56. Psychology and Neurophysiology. Harlyn Baker, Ted Selker. *In Survey of Stereo Mapping Systems and Related and Supporting Techniques and Literature, Stanford AI Report,* pp. 196-219, 1982.

57. Paired Associative Memory: A Simplified Semantic Network LTM Model and Distributed Neural Implementation. Ted Selker. *Coins Technical Report #81-20,* University of Massachusetts at Amherst, Sep. 1981.

58. An Image Based Focusing System: An Alternative for Cameras, A Model of Eye Accommodation. Ted Selker. *Coins Technical Report #81-19,* University of Massachusetts at Amherst, Sep. 1981.

Invited Lectures and Seminars

1. Invited Lecture LMU, **Peripheral Interaction**, Jun 2019.

2. Invited Lecture, Univeritie' de Paris, **Considerate Systems**, Jun 2019.

3. Keynote, SPIE AR/VR Symposium, **The future of AR/VR**. Feb, 2019

4. Presenter, **Designing with Bias**, SXSW, Mar. 9, 2018

5. Acceptance Speech: Most Influential Paper Award, **A Model of Textual Affect Sensing Using Real-World Knowledge**, Hugo Liu, Henry Lieberman and Ted Selker, IUI Tokyo Japan Mar. 8, 2018

6. Invited Lecture, UC Berkeley, the future of AR/VR, Nov 2017.

7. Keynote, **Past Present and Future of AR VR and AI**, YPO CCC VR/AR Event, Irvine, May 11l 2017.

8. 5 invited lectures, Curtain University Australia, Apr, 2017.

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9. CS Colloquia, **Activities in Considerate Systems**, NYU, NY, Nov. 4, 2014.

10. Invited Lecture, **Activities in Considerate Systems,** Queen Mary University of London, London England Nov. 12, 2014.

11. Participatory Information Technology Talk, **Industrial Design Intelligence**, Aarhus University, Aarhus Denmark, Nov. 10, 2014.

12. **Sensors for Human/System Interaction,** LMU, Munich Germany, Nov. 7, 2014.

13. Keynote, **Activities in Considerate Systems**: MindTrek Academic Track, Tampere Finland. Nov. 6, 2014

14. Keynote, **Invention and Innovation**, MindTrek, Tampere Finland. Nov. 5,2014.

15. **Disruption Management for Smart Cities**, Trinity College Dublin Ireland, Nov. 3, 2014.

16. Research Exchange Seminar Series, **The Technology of Access**, CITRIS UC Berkeley, Oct. 15, 2014.

17. CITRIS Keynote Speaker, **Excubate: How Crowdsource Collaboration Can Professionalize Early Stage Technology Business Development**. CITRIS University California, Merced Mar. 12, 2014.

18. Keynote: **Activities in Considerate Systems**: AMI2013, Dublin Ireland, Dec. 2013.

19. Invited panelist: International Workshop on Knowledge and Service Technology for Life, Environment and Sustainability, Taipei, Taiwan, Dec. 17, 2012.

20. Keynote: **Integrating Sensor and Social Interactions as a Service,** IEEE International Conference on Service Oriented Computing and Applications, Taipei, Taiwan, Dec. 17, 2012.

21. **Facilitated Workshop on mobile aging solutions,** Nokia Academic Symposium, Beijing, China, Nov. 15, 2011.

22. Keynote: **Mobile Considerate Systems,** Nokia Academic Symposium, Beijing, China, Nov. 15, 2011**.**

23. Facilitated one day workshop: **Sensors and Virtual Sensors for healthy lifestyles,** Open health Workshop, National Taiwan University, Nov. 13, 2011.

24. Keynote: **Understanding Considerate Systems,** Technologies and Applications of Artificial intelligence, Taoyuan, Taiwan, Nov. 12, 2011.

25. **Future of New Business Technology Innovation,** Taiwan Ministry of Economic Development, Nov. 11, 2011.

26. **Excubation and Incubation,** TRUNK Municipal Incubation Center, Sendai, Japan, July 8, 2011.

27. Invited lectures, **Sensors and Virtual Sensors for Healthful Lifestyles,** Tohoku University, Sendai Japan July 7, 2011.

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28. Invited lecture, **Creating a Considerate World:** Ochanomizu University, Tokyo, July 6, 2011.

29. 3 Invited Lectures, **Furture of Design,** Aachen University Jun, 2010.

30. Invited lecture, **Invention Innovation and Design,** Chiba Institute of Technology, Tokyo, July 5, 2011.

31. **Creating A Considerate World:** KDDI Research Labs, Tokyo, Japan, Jul 4, 2011.

32. Panel, **Mobile Innovation: The Next Generation of Mobile Applications and Services,** Mobicase, Oct 27, 2010.

33. CIE-SF Fall Short Course, **Android App Development**, San Jose, CA, June 25, 2010.

34. Keynote, **Creating Considerate Systems**, Collaboration Technologies and Systems, Chicago, IL, May 2010.

35. People Computers and Design: **Considerate Systems,** Stanford University, May 2010.

36. Research Seminar: **Context Aware Computing,** FXPAL, Apr. 2010.

37. SRI AI Seminar: **Creating a Considerate World,** Context, Mar 2010.

38. HCI Seminar Series**: Excubate, a New Model for Technology Business Development.** Carnegie Mellon University, Oct. 2009.

39. Special ECE Seminar: **Creating a Considerate World**, Carnegie Mellon University, Oct. 2009.

40. BayCHI, **Industrial Design Intelligence: Evaluation Supporting Aesthetic and Functional Design,** July 2009.

41. Election Assistance Commission, **Roundtable on Accessible Voting Technologies**, Washington, DC, Apr. 2009.

42. MIT Civil Engineering workshop, **Incentives and Improvements in Lifestyle with Ridesharing:** Realtime Rides: A Smart Roadmap to Energy and Infrastructure Efficiency, Apr. 2009.

43. Award Acceptance talk, **Context Aware Computing,** Telluride Tech Fest, Telluride, CO, Aug. 1, 2008.

44. Mars Global Food Workshop, **Counter Intelligence: Technology and Food**, Antwerp, Belgium, July 8, 2008.

45. Google tech talk, **Online Maps - a Walk in Space.** Mt. View, CA, June 13, 2008.

46. Keynote, **Sensors and Virtual Sensors for Healthful Lifestyles.** pHealth2008 Workshop, Valencia, Spain, Additional, May 21 2008.

47. People, Computers and Design: **Context Aware Computing.** Stanford University, Stanford, CA, Nov. 30, 2007.

48. Dagstuhl Seminar 07371: **Context Aware Mobile Interfaces.** Mobile Interfaces Meet Cognitive Technologies, Dagstuhl, Germany, Sept. 9 14, 2007.

49. Keynote **Faith Popcorn Conference.** Future of Local Marketing, Aug. 2007.

50. Invited talk, **Individual Design.** No Barriers Conference Festival Symposium, Squaw Valley, CA, June 29, 2007.

51. Invited talk, **Building a Safe, Secured and Sound (3s) Living Environment.** 2007 Symposium Digital Life Technologies: Workshop at National University of Taiwan, June 2, 2007.

52. Invited talk, **Services and Application Concepts.** Industrial Technology Research Institute Advanced R&D Advisory Committee, Taipei, Taiwan, May 27 - 28, 2007.

53. Expert Testimony**, In the Matter of: Paralyzed Veterans of America, et al.** v. Bruce McPherson, et al. Case No. C 064670 SBA, May 1, 2007.

54. Invited talk, **Ballot Integrity and Prevention of Electoral Corruption.** Ash Institute at Harvard University, April 27, 2007.

55. Invited performance talk, **Inviting Invention, Smart Designs and Renegade Users: From Thinking Beds to Wearable Harp.** In - Concert by Deborah Henson-Conant, Sponsored by: Cambridge Science Festival and the Cambridge Arts Council, Cambridge, MA, Apr. 26, 2007.

56. Speaker and emcee, **Swiss Symposium on eVoting and eDemocracy.** Ted Selker Co-Chair, Washington, DC, Apr. 23, 2007.

57. Keynote, **Creating Cultures of Innovation.** American Society of Interior Designers, Interiors 08, New Orleans, LA. Mar. 14, 2007.

58. **The Technology of Access: Allowing People of Age to Vote for Themselves.** Facilitating Voting as People Age: Implications of Cognitive Impairment, 3 day Symposium, McGeorge School of Law, Sacramento, CA, Mar. 22, 2007.

59. Hearing:**Testimony to the US House of Representatives Administration Subcommittee on Elections.** Hearing on Accessibility and Usability, Mar. 15, 2007.

60. Closing Plenary, **New Paradigms in Social Computing**. 14th Annual NPUC 2006, IBM Almaden, CA, July 24, 2006.

61. Opening Master Lecture, International Workshop on Asian Reality 2005. Taichung, Taiwan, Dec. 17, 2005.

62. **Industrial Design Intelligence and Brainstorming.** 4-day workshop, Taichung, Taiwan, Dec. 17- 21, 2005.

63. **Information Intermediaries for the Electorate of the 21st Century.** Developing a Sound Analytical Basis for Improving Public Participation and Confidence in 21st Century Elections, National Academy of Sciences, Washington, DC, Dec. 5, 2005.

64. Keynote, Nuevas **Tecnologias Para La Inteligencia Ambiental.** Simposium Sobre Inteligencia Amiental. Bilbao, Spain, Nov. 7, 2005.

65. Keynote, **World Usability Day;** Boston, MA, Nov. 2, 2005.

66. Keynote, **Institute of the Future Context-Aware Computing Conference**. Redwood City, CA, Oct. 24, 2005.

67. Invited talk, **ICultures of Innovation.** Cheng Kung University, Kaoh Sing, Taiwan, Aug. 2005.

68. Invited talk, **Research Management.** Industrial Technology Research Institute, Taipei, Taiwan, Aug. 2005.

69. Invited talk, **Accessible Voting.** American Disabilities Act Working Group Conference 2005, Orlando, FI Aug. 30, 2005.

70. Testimony, **EAC hearing and testimony on the Voluntary Voting Systems Guidelines**. Pasadena, CA, July 28, 2005.

71. Testimony, **Voting Verification: U.S. Senate Rules Committee Hearing**. Washington, DC, June 21, 2005. (Also, Caltech/MIT Voting Technology Project Working Paper #31, June 2005).

72. Testimony, **Hearing for State of Connecticut Secretary of State** (Susan Bysiewicz). Hartford, CT, June 15, 2005.

73. Invited talk, **Understanding Design Workshop.** Family Adventures in Science and Technology, MIT Museum, Mar. 27, 2005.

74. Invited talk**: Boston Pugwash event,** Kennedy School of Government, Cambridge, MA, Feb. 24, 2005.

75. Keynote, **Luxury Kitchen and Bath Convention.** Los Angeles, CA, Dec. 9, 2004.

76. Invited talk, **Voting in 2004: A Report to the Nation on America's Election Process.** The Leadership Conference on Civil Rights and the Century Foundation, sponsored by Common Cause, Washington, DC, Dec. 7, 2004.

77. Keynote, **Technology Review magazine launch,** NY, NY, Dec. 7, 2004.

78. Keynote, **Second European Symposium on Ambient Intelligence.** Eindhoven, Netherlands, Nov. 8-10, 2004.

79. Speaker and emcee, **Ballot Design Opportunities. Voting Technology Conference.** Cambridge, MA, Oct. 2, 2004.

80. Speaker and emcee, **Local Processes Can Be Improved for 11/02/2004.** Voting Technology Conference. Cambridge, MA, Oct. 1, 2004.

81. Invited talk, **E-Voting Technologies Workshop.** American Association for the Advancement of Science, Washington, DC, Sept. 17-18, 2004.

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82. Invited talk, **The Design Process Workshop.** Museum Institute for Teaching Science, Childrens Museum Boston, MA, July 23, 2004.

83. Keynote, **World Congress on Information Technology.** Athens, Greece, May 20-21, 2004.

84. Invited talk, **Automated Voting and Election Observation.** The Carter Center, Atlanta, GA, March 17-18, 2004.

85. **CarCoach: Reminding a Driver to Drive Well.** International Workshop on Progress and Future of Adaptive Driver Assistance Research, National Traffic Safety Administration, DOT, Washington, DC. May 13-14, 2004.

86. Keynote, DOT Workshop Directions of Adaptive Driver Assistance Research. Washington, DC, May 13-14, 2004.

87. Testimony, **Voting Technology.** Election Assistance Commission, Washington, DC, May 5, 2004.

88. **Creating Cultures of Innovation, the Business of Marketing Strategy.** Ensuring Profitable Growth Through Strategic Leadership; Brand Building, Customer Experience Management & Innovation Conference, Boston, MA, Apr. 26-27, 2004.

89. Invited talk, **Symposium on Privacy and Security.** Harvard University, Cambridge, MA, Apr. 22, 2004.

90. Testimony, **Certification of Voting Software; Position Statement**. CSTB National Academy of Sciences Workshop on Certification, Washington, DC, Apr. 19-20, 2004.

91. Invited talk, **Voting Technology Project.** Carnegie Board of Directors Presentation, New York, NY, Apr. 8, 2004.

92. Panelist, **Electronic Voting Technology.** American Association for the Advancement of Science National Meeting, Seattle, WA, Feb. 2004.

93. Invited talk, **Context Aware Computing.** Computer & Information Technology Institute Distinguished Lecture Series, Rice University, Houston, TX, Feb. 5, 2004

94. Presenter, **Consumer Electronics Show.** Las Vegas, NV, Jan. 7-8, 2004.

95. Invited talk, **Usability and Accessibility for Voting.** Building Trust and Confidence in Voting Systems Conference, NIST, Gaithersburg, MD, Dec. 10-11, 2003.

96. Panelist, **Enhancing Voting Rights through New Voting Equipment.** Claim Democracy Conference, Democracy USA, Washington, DC, Nov. 21-23, 2003.

97. Invited talk, **Should Touch-Screen Voting Machines Require a Paper Trail?** Claim Democracy Conference, Democracy USA, Washington, DC, Nov. 21-23, 2003

98. Invited talk, **Usability and Voter Verification.** USACM Workshop on Voter-Verifiable Election Systems Denver, CO, July 29, 2003.

99. Invited talk, **Contactless-Technology for Consumers.** CardTech/SecureTech, Orlando, Fl, May 12, 2003

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100 Invited talk, **Risks in Election Administration and User Experience.** Election Reform Summit, The Performance Institute, Arlington, VA, Apr. 30, 2003.

101 Keynote, **Technology and Entrepreneurship: Introduction of Ideas Into Products.** Sloan Entrepreneu Forum, MIT, Cambridge MA, Jan. 24, 2003.

102 Invited talk, **Insuring Your Vote Will Count.** National Conference on Election Reform, Collins Center for Public Policy, Ft. Lauderdale, FL, Nov. 22, 2002.

103 Invited talk, **The Gateway to Next Generation Commerce and City Life over the Internet.** Workshop on Information, Cities, and Collaborative Portals, IBM T.J. Watsons Research Center. Hawthorne, NY, Oct. 11, 2002.

104 Closing Plenary, **Humanizing Design: Context Aware Computing.** Usability Professionals Association Conference, Orlando, FL, July 8-12, 2002.

105 Invited talk, **Accuracy and User Interface.** Workshop on Election Standards Technology (WEST), Washington, DC, Jan. 31, 2002.

106 Moderator, **Usability Panel.** Workshop on Election Standards Technology (WEST). Washington, DC, Jan 31, 2002.

107 Invited talk, **User Systems Ergonomics Research.** IBM PC Club, San Jose, CA, Sep. 10, 2001.

108 Keynote, **Intentional and Implicit Communication in Contextually Aware Computing.** Industrial Design Society of America Annual Conference: Designing Your Life, Boston, MA, Aug. 16, 2001.

109 Invited talk, **Voting Technology-What's The Future?** National Association of County Recorders, Election Officials and Clerks Annual Conference, Philadelphia, PA, July 13-17, 2001.

110 Testimony, **Caltech-MIT Voting Technology Project: Findings and Recommendations.** Washington, DC, July 12, 2001.

111 Keynote, **The Technological Future and How it Will Change Our Lives.** IEEE Workshop, Vail, CO, June 24, 2001.

112 Invited talk, **Voting Access for the Disabled.** National Commission on Federal Election Reform Joint Task Force Meeting, Washington, DC, June 8, 2001.

113 Invited talk, **Eastern Regional Field Hearing.** Democratic National Committee Voting Rights Institute, Newark, NJ, May 22, 2001.

114 Invited talk, **Beyond Keyboards and Mice: Research from the MIT Context-Aware Computing Group.** Oregon School of Science and Engineering, Portland, OR, April 6, 2001.

115 Keynote, **Publication: What Will They Come Up with Next?** American Association for Publishers/Professional Scholarly Publishing Conference, Washington, DC, Feb. 2001.

116 Keynote, **Performance Tuning Humans.** High Performance Computing Architecture Symposium (HPCA-7), Monterey, Mexico, Jan. 22, 2001.

117 Invited talk, **Media-Bed.** Ted Selker, Win Burleson. Media Lab Europe Grand Opening, Dublin, Ireland, July 2000.

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118 Keynote, **The Future of Tools.** CIOs E-Business Leadership Forum GE, Cincinnati, OH, Sept. 15, 1999.

119 Keynote, **Style and Function of Graphic Tools.** Graphics Interface, Kingston, Ontario, Canada, June 1999.

120 Invited talk, **Future Feel of Tools and Brands.** Munchner Kries Congress on User-Friendly Communications Systems, European Patent Office, Munich, Germany, June 1999.

121 Invited talk, **USER System Ergonomics Research.** Brown University Industrial Affiliates Meeting, Providence, RI, April 1999.

122 Plenary, **USER Systems Ergonomics Research.** IBM Germany Development Laboratory Kickoff, Feb. 1999.

123 Keynote, **The Desktop Was a Place to Concentrate.** International Invention Symposium CIIExpo98 Hong Kong, Nov. 1998.

124 Keynote, **Nature of the Future.** Japan Fair, Makuhari, Japan, Sep. 1998.

125 Keynote, **What Will Drive Future Performance Demands.** Microprocessor Forum, San Jose, CA, Sept. 14, 1998.

126 Panel, **The Future of Publishing.** Seabold Publishing Conference, San Francisco, CA, Sept. 3, 1998.

127 Invited talk, **The Nature of the Future.** The Next 20 Years, Ziff Davis, NY, NY, June 1998.

128 Invited talk, **Living Room Computers.** David Coursey's Digital Living Conference, Dana Point, CA, Jun 1998.

129 Keynote, **Feeling of the Future.** BMG CIO Kickoff, Dominican Republic, June 1998.

130 Invited talk**: Natural User Interface.** Corporate Technical Committee IBM, Armonk, NY, Mar. 1998.

131 **New Form Factors for Consumers.** IBM Personal Systems Institute Symposium, Yorktown, NY, Mar. 1998.

132 Panel: **IUI and Agents for the New Millennium.** Henry Lieberman, Jeffrey Bradshaw, Yolanda Gil, Ted Selker. Proceedings of the 4th International Conference on Intelligent User Interfaces (IUI), pp. 9394, Los Angeles, CA, Jan. 1998.

133 Keynote**: Wearable Computers and Use of Technology in Mountaineering.** MIT Media Lab Consortia Meeting, Oct. 1997.

134 **Room With a View: A Room-Sized Virtual Office.**
Cyberhome 2000, Computer Life, San Francisco, CA, May 1997.

135 Invited talk**: Test as You Build; An Approach for Creating New Interfaces.** Ease of Use Conference, Stanford, CA, Apr. 1997.

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136 Invited talk**: Prototypes for the Next 50 Years.** ACM Conference on the Next 50 Years of Computing, San Jose, CA, Mar. 1997.

137 Plenary**: New Form Factors for Consumers.** IBM Personal Systems Institute Symposium, Raleigh, NC, Mar. 1997.

138 Panelist: **Components on the Internet.** Jeffrey Bonar, Nancy Lehrer, Kelly Looney, Randy Schneir, James Russel, Ted Selker, Stewart Nickolas. *Proceedings of the 11th ACM SIGPLAN Conference on Object-Oriented Programming, Systems, Languages, and Applications* (OOPSLA). Vol. 31, No. 10, San Jose, CA, pp. 444-448, Oct. 1996.

139 Keynote: **The Making of a Pointing Device.** Mobile Insights Conference, Scottsdale, AZ, Jan. 1996.

140 Invited talk**: The Making of a Pointing Device.** Comdex, Las Vegas, NV, Oct. 1995.

141 Keynote: **Graphical Language in Future Multimedia.** CAT Lab Kickoff, New York University, NY, NY, Aug. 1995.

142 Invited talk**: User Interface Technology for People with Disabilities.** CSUN Conference, Los Angeles, CA, Mar. 1995.

143 Invited talk**: Science Wand: A Unified Tool for Measuring Physical Phenomenon.** IBM, Boulder, CO, Feb. 1993.

144 Invited talk**: Agent and Advisor Case Studies of How to Give Users Control.** MIT Media Lab Consorti Meeting, Oct. 1992.

145 Invited talk**: Driving New Paradigms for Using Computers with Industrial Design.** Sony Research Laboratory, Tokyo, Japan, Feb. 1992.

146 Invited talk**: Dreamwriter: A New Approach to Computing.** IBM PC Future Symposium, Boca Raton, FL, May 1987.

147 Invited talk**: Creating the Collaboration: New Data Disk in the Stanford AI Laboratory.** Xerox PARC, Palo Alto, CA, June 1984.

148 Invited talk**: Kalide: A Demonstration That AI Can Reduce Communication Between a Person and Computer.** VA Rehabilitation Research and Development Laboratory, Palo Alto, CA, June 1981.

Symposia Organized:

1. **Talks on Computing Systems (TOCS).** I have invited and hosted over 130 speakers at Carnegie Mellon Silicon Valley's weekly speaker series, Jan. 2009-Dec. 2014.

2. **Program on E-Voting and E-Democracy A Swiss/US Perspective.** Ted Selker, Pascal Marrimer. Swiss Embassy, Washington DC, Apr. 24, 2007.

3. **Voting Technologies Project, Vendor Workshop.** Ted Selker, Mike Alvarez, Ron Rivest. Pasadena, CA, Mar. 13, 2007.

4. **Voter ID/ Registration.** Ted Selker, Ron Rivest, Michael Alvarez, Jonathan Katz. Cambridge, MA, Oct. 5-6, 2006.

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5. **Online Health Communities** (Sessions SIGS), *CHI 02 Extended Abstracts on Human Factors In Computing Systems,* Montreal, Canada, pp. 444-447, Apr. 2006.

6. **Intention Matters.** Workshop on Creativity, Industrial Taiwanese Research Institute, Taipei, Taiwan. Aug. 2005.

7. **Voting Technology.** Ted Selker, Michael Alvarez. Cambridge, MA, Oct. 1-2, 2004.

8. **Creative Computing Workshop.** Win Burleson, Ted Selker. *CHI 02 Extended Abstracts on Human Factors in Computing Systems,* Minneapolis, MN, pp. 934-935, Apr. 22, 2002.

9. **Standardizing Accuracy and User Interface.** Speaker and Panel Chair, Workshop on Elections Standards and Technology, Washington, DC, Jan. 31, 2002.

10. **Counter Intelligence Special Interest Group Symposia.** Bi-yearly workshops at MIT Media Lab, 2001 2007.

11. **Context Aware Computing,** Workshop, Media Lab Europe, Dublin Ireland, June 6, 2001.

12. **Exploring the Framework of Context Awareness in Cooperative Systems.** Workshop, Ted Selker and Win Burleson. ACM 2000 CSCW Conference, Philadelphia, PA Dec. 2000.

13. **New Paradigms for Using Computers.** Created annual forum to bring together seminal contributors to the way computers are used, July 1993-1999.

14. **User Systems Ergonomics.** First forum on user interface at Stanford Computer Science department, weekly talk and discussion series, Oct. 1980 – Apr. 1984.

Patents and Patent Applications Pending

1.	#10048769, 8/14/2018	Three-dimensional computer-aided system user interface
2.	#9038818, 5/26/2015	A device and method for sanitary can packaging
3.	#8973792, 3/10/2015	Fabric Article Folding Machine and Method Ted Selker, Gal Rozov.
4.	#8957847, 2/18,2015	Low Distraction Interfaces. Kenneth Karakotsios, Steven Ka Cheung Moy, Isaac S. Noble, Edwin Joseph Selker.
5.	#8917167, 12/23/2014	Haptic Device, Ted Selker.
6.	#8594838 B2, 11/26/2013	Vending Machine. Edwin Selker, Connie Dickie, Matthew Hockenberry, Jon Wetzel, Julius Akinyemi
7.	#8373667 B2, 05/06/2013	Flat Panel Display with Integral Touch Screen. Edwin J. Selker. Massachusetts Institute of Technology.
8.	#8643680 B2, 10/11/2012	Gaze-based content display. Leo B. Baldwin, Edwin Joseph Selker.
9.	#13494626, 06/12/2012	Environmentally Responsive GUI. Edwin J. Selker.
10.	#13423252, 03/18/2012	Slatted Solar Reflector. Edwin J. Selker.

11.	#13405340, 02/26/2012	System and Method for the 3D Display, Viewing and Purchase of Clothing and Accessories. Edwin J. Selker.
12.	#20110048406, 03/03/2011	Tracking Solar Panel Mount. James T. Hoffman, Ted Selker
13.	#13290107, 11/06/2011	HAPTIC Device. Edwin J. Selker
14.	#0218381, 09/11/2008	Occupant Exit Alert System. Ted Selker, Steven Buckley.
15.	#7100835, 09/05/2006	Methods and apparatus for wireless RFID cardholder signature and data entry. Edwin Joseph Selker
16.	#7383911, 3/24/2005	Wireless seatbelt buckle switch harvesting energy and method. Steven Yellin Schondorf, Kristin Marie Schondorf, Ted Selker, Scott Howard Gaboury, Thomas Michael McQuade
17.	#6863220 B2, 03/08/2005	Manually-operated switch for enabling and disabling an RFID card. Edwin Joseph Selker. (Licensed by Panasonic.)
18.	#036622, 2/26/2004	Apparatuses, methods, and computer programs for displaying information on signs. Semyon Dukach, Matt W. D. Mankins, Leonid Fridman, Salvatore A. D'Agostino, Brad Harkavy, Edwin J. Selker, Edward W. Porter. (Used in Vert products.)
19.	#6614421, 09/02/2003	Keyboard having buttons positioned for operation by heel of hand. Edwin Joseph Selker, Barton Allen Smith, Todd Clossen Wyant.
20.	#06577329, 06/10/2003	Method and system for relevance feedback through gaze tracking and ticker interfaces. Myron Flickner, David Koons, Qi Lu, Paul Maglio, Carlos Hitoshi Morimoto, Edwin J. Selker.
21.	#06549933, 04/15/2003	Managing, accessing, and retrieving networked information using physical objects associated with the networked Information. Robert Barrett, Paul Maglio, Edwin J. Selker.
22.	#6549219, 04/15/2003	Pie menu graphical user interface. Edwin J. Selker.
23.	#06522763, 02/18/2003	Impactresistant electronic device.
24.	#0164962, 11/2002	Apparatuses, and computer programs for displaying information on mobile units, with reporting by and control of, such units Matt W. Mankins, Leonid Fridman, Brad Harkavy, Michael Platsidakis, Edwin J. Selker, Adam M. Whiton.
25.	#06384810, 05/07/2002	A keyboard with belt clip attachment and height adjustment. Edwin Joseph Selker.
26.	#06341061, 01/22/2002	Standup notebook computer. Christopher Eisbach, Eric Andrew Knopf, Derek Solomon Pai, Ramiro Ramirez, Edwin Joseph Selker, Todd C. Wyant.
27.	#06297807, 10/02/2001	Microphone sheath having pointing device and control buttons. Christopher Eisbach, Edwin Joseph Selker.
28.	#06271834, 08/07/2001	Integrated pointing device having tactile feedback. Kim Wesley May, Edwin Joseph Selker.
29.	#06240521, 05/29/2001	Sleep mode transition between processors sharing an instruction set and an address space. Ronald Jason Barber, Edwin J. Selker.

30.	#06229697, 05/08/2001	Notebook computer having a resilient, portfolio-type case.
31.	#06195082, 02/27/2001	Low-noise circuit board for TrackPoint pointing device. Kim May, Edwin J. Selker, Barton Allen Smith. (Used in TrackPoint products.)
32.	#06188390, 02/13/2001	Keyboard having third button for multimode operation. Edwin J. Selker, Barton Allen Smith, Shumin Zhai. (Used in TrackPoint products, 1998 and newer.)
33.	#06182098, 01/30/2001	Next/current/last ticker graphical presentation method. Edwin J. Selker.
34.	#06076784, 06/06/2000	Continuous moving keyboard/wrist rest. Edwin J. Selker.
35.	#06005209, 12/21/1999	Thin keyboard having torsion bar keyswitch hinge members. Winslow Scott Burleson William Marvin Dyer, Christopher Karl Eisbach, Derek Solomon Pai, Edwin J. Selker.
36.	#05982304, 11/09/1999	Piezoelectric switch with tactile response. Edwin Joseph Selker, Jonathan Nobel Betts.
37.	#05973670, 10/26/1999	Tactile feedback controller for computer cursor control device. Ronald Jason Barber, Edwin Joseph Selker.
38.	#05953425, 09/14/1999	Personal area network security lock and recharger combination apparatus for equipment access and utilization. Edwin Joseph Selker.
39.	#05945979, 08/31/1999	Combined digital and analog cursor control. Joseph D. Rutledge, Edwin Joseph Selker, John Daniel Upton.
40.	#05923325, 07/13/1999	System and method for enhancing conveyed user information relating to symbols in a graphical user interface. Ronald Jason Barber, Edwin J. Selker.
41.	#05912659, 06/15/1999	Graphics display pointer with integrated selection. Joseph D. Rutledge, Edwin J. Selker. (Used in all Trackpoint TrackPoint devices from 1998 on.)
42.	#05908467, 06/01/1999	System and method for displaying file parameters. Robert Carl Barrett, Daniel Clark Kellem, Paul Philip Maglio, Edwin J. Selker.
43.	#05894282, 04/13/1999	Floating triangle analog-to-digital conversion system and method. Jonathan Noble Betts, John Robert Haggis, Edwin J. Selker, Barton Allen Smith. (Used in Philips chips to reduce cost of 16bit A/D conversion.)
44.	#05874697, 02/23/1999	Thin keyboard switch assembly with hinged actuator mechanism. Edwin J. Selker, William Marvin Dyer, Jeffery Daniel Allison.
45.	#05870082, 02/09/1999	Pointing device with reciprocating grip cap. Edwin Selker, Barton Smith, Todd Wyant.
46.	#05867808, 02/02/1999	Force transducer with screen-printed strain gauges. Edwin J. Selker, Barton A. Smith, Boris Kamentser. (Used in many TrackPoint products.)
47.	#4780707, 10/25/1988	Analog input device for a computer. Edwin J. Selker. (Used in many products.)
48.	#05798754, 08/25/1998	Grip cap for computer control stick. Edwin J. Selker, Kazunori Seki, Michio Suzuki, Kenshin Yonemochi. (Used in all TrackPoint products after 1995.)

49.	#05793358, 08/11/1998	Method and means for managing a luminescent laptop keyboard. Dragutin Petkovic, Edwin J. Selker.
50.	#05777704, 07/07/1998	Backlighting an LCD-base notebook computer under varying ambient light conditions. Edwin J. Selker.
51.	#05767840, 06/16/1998	Six-degrees-of freedom movement sensor having strain gauge mechanical supports. Edwin J. Selker.
52.	#05764219, 06/09/1998	Controller for improved computer pointing devices. Joseph D. Rutledge, Edwin J. Selker
53.	#05736974, 04/07/1998	Method and apparatus for improving visibility and select ability of icons. Edwin J. Selker. (Used in OS/2 Smart Guides.)
54.	#05734835, 03/31/1998	Inexpensive World Wide Web terminal appliance using disk synchronized with raster refresh for storage of display pages. Edwin J. Selker.
55.	#05699534, 12/16/1997	Multiple display pointers for computer graphical user interfaces. Ronald Jason Barber, Daniel Alexander Ford, Edwin J. Selker.
56.	#05699082, 12/16/1997	Enhanced program access in a graphical user interface. Ronald Franklin Marks, Edwin J. Selker.
57.	#05696535, 12/9/1997	Graphics display pointer with integrated selection. Joseph D. Rutledge, Edwin J. Selker
58.	#05694123, 12/2/1997	Keyboard with integrated pointing device and click button with lock down for drag operation in a computer system with a graphical user interface. Edwin Selker, Michio Suzuki, Tomoyuki Yoshiharu, Uchiyama. (Used in ThinkPad 755 and 760 products.)
59.	#05689246, 11/18/1997	Intraoral communication system. Rowan L. Dordick, Edwin J. Selker.
60.	#05658152, 08/19/1997	Three-prong swivel plug. Edwin J. Selker.
61.	#05586243, 12/17/1996	Multiple display pointers for computer graphical user interfaces. Ronald J. Barber, Daniel A. Ford, Edwin J. Selker. Also referred to by some patents as #05777615, 07/07/1998
62.	#05579033, 11/26/1996	Pointing device for retrofitting onto the keyboard of an existing computer system. Joseph D. Rutledge, Edwin J. Selker
63.	#05570268, 10/29/1996	Stowable wrist rest for portable computers. Edwin J. Selker.
64.	#05565888, 10/15/1996	Method and apparatus for improving visibility and selectability of icons. Edwin J. Selker.
65.	#05544530, 08/13/1996	Assembly suitable for life-testing a multi-dimensional force transducer. Charles A. Rudisill, Joseph D. Rutledge, Edwin J. Selker. (Used in manufacture.)
66.	#05539369, 07/23/1996	Multiple-toroid induction device. Edwin J. Selker, Jason M. Jacobs, Robert J. Kelley, Joseph D. Rutledge
67.	#05521596, 05/28/1996	Analog input device located in the primary typing area of a keyboard. Edwin J. Selker, Joseph D. Rutledge. (Used in many TrackPoint products.)

68.	#05512892, 04/30/1996	Hand-held control device. Liam P. Corballis, Joseph D. Rutledge, Edwin J. Selker. Used in FAA demonstration ground traffic control system.
69.	#05489900, 02/06/1996	Force-sensitive transducer for use in a computer keyboard. Mathew F. Cali, Jerome J. Cuomo, Donald J. Mikalsan, Joseph D. Rutledge, Edwin J. Selker. (Used in many TrackPoint products.)
70.	#05423690, 06/13/1995	Universal electrical power plug for multination use with self-setting contact pins. Edwin J. Selker. (Convinced ThinkPad to make smaller cords)
71.	#05349321, 09/20/1994	Power cord transformer. Edwin J. Selker. (Convinced ThinkPad to make smaller cords)
72.	#05274363, 12/28/1993	Interactive display system. Edwin J. Selker, Lawrence H. Koved.

Projects: Product Transfers and Public Installations

1. **SweetFeedback, Persuasive environmental sensing and feedback system.** Marketed by Selker Design Research.
2. **FlyingMic, Flyweight Wallet, Sweetfeedback USB gumball machine.** Marketed by Selker Design Research.
3. **Voting magnifier.** Marketed by Inclusion Solutions starting in 2009.
4. **From Hardware to Soft Form.** Created modular interactive smart floor controlling architectural imagery display. Winka Dubbledam, Jorge Martinez, Ernesto Arroyo, Ted Selker, Win Burleson. *Fredereike Taylor Gallery*, NYC, Sept. - Oct. 2002. *Espaciotres Gallery*, Mexico City, Aug. 17, 2004.
5. **ThinkPad Transnote.** Prototyped, Oct. 2001.
6. **Canopy Climb: A Virtual Climb to the Canopy of a Rainforest.** Win Burleson, Ted Selker. *Selby Gardens museum,* Sarasota, FL, 2002.
7. **Canopy Climb: A Virtual Climb to the Canopy of a Rainforest.** Win Burleson, Ted Selker. *New England Aquarium,* Boston MA, Aug. 2002.
8. **ThinkPad X30** Prototyped domed and cupped TrackPoint tops for improved control. IBM, Oct. 2002.
9. **ThinkPad T20.** Prototypes for IBM access key, keyboard illuminator, attachable port for camera, etc. at top of display. IBM, Oct. 2001.
10. **Vert Taxi Display.** Prototyped first version and guided, Vert Corporation, Cambridge, MA, Jan. 2001.
11. **Reflective Ghost.** *Ars Electronica 2000,* Linz, Austria, Sept. 2000.
12. **Desert Oracle** Ted Selker and Winslow Burleson. *Burning Man,* Black Rock Desert, NV Aug. 2000.
13. **ThinkPad 600.** Led all work to create 3-D gesture recognizing TrackPoint and two pointing device features for scrolling and magnifying applications. IBM, Oct. 1998.
14. **Smart Guides.** Drove product development for Smart-Guides OS/2 adaptive help. IBM, Sept. 1996.
15. **Help Center for Excellence.** Created prototypes and drove commitment to create. IBM, Nov. 1992.

16. **ThinkPad 755CV, CDV** Led work to create projection/outdoor display in notebook computer. IBM, Oct. 1995.

17. **OS/2 Warp Special Needs Package.** Led team to create special needs package. IBM, Oct. 1994.

18. **IBM Agents Center.** Led team and product innovation to start a $3,000,000/year project. IBM, 1994 -1995.

19. **ThinkPad 755.** Led all work to improve algorithms for pointing to improve selection speed significantly, patented drag button, first wrist rest in notebook, improved power supply design, improved documentation graphics. IBM, Oct. 1995.

20. **IBM C++ Class Library Search and Browse Features.** Managed team to achieve product transfer. 1996.

21. **Science Wand.** Joystick to explore mechanics. *San Jose Museum, San Jose, CA 1995*.

22. **ThinkPad 750C.** Led work to improve pointing device traction; also refined BIOS GUI. IBM, Oct. 1994.

23. **TrackPoint Keyboards.** Led work to contribute TrackPoint to keyboard products. IBM, Oct. 1993.

24. **ThinkPad 700C.** Led work to make first profitable notebook product for IBM. IBM, Oct. 1992.

25. **New Data Disc.** Created SAIL 64-bitmapped collaborative terminal system. Stanford University, Stanford, CA, June 1981-Mar. 1990.

26. **Group Shows.** Photos in two galleries. Newport, RI. June-Oct. 1979.

27. **Hampshire Laboratory for Cognitive Science.** Created teaching laboratory, designed backend network operating system productized by students. Hampshire College, Amherst, MA, Sept. 1979-1980.

28. **Lisa Memorial.** Created 1 ton oak sculpture, *Lower Columbia College,* Longview, Washington, Sep. 1975-1990.

Consulting Record	**Beginning**	**Ending**
Collaborative Braintrust Consulting Firm	5/2015	present
Impossible Objects, Northbrook IL	12/2013	present
Identification Solutions, Inc.	10/2013	03/2015
IMS (expert witness matchmaking service)	2012	present
Suitable Technologies, Mountain view CA	12/2014	present
Albert Allen, Charlotte NC Expert witness.	04/2010	02/2014
TriggerFinger, Portland, OR Input device design.	06/2010	09/2010
Willow Garage, Menlo Park, CA Robot design.	08/2010	12/2010
Atoms and Bits, San Mateo, CA Consulting/invention on immersive environments.	05/2010	06/2010

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Lab126, Cupertino, CA Vision and project management consulting/invention.	06/2010	01/2011
PIXAR, Emeryville, CA Interface consulting.	10/2009	12/2010
Emota, San Mateo, CA Business and technical mentoring.	06/2009	12/2010
McAndrews, Held, & Malloy, Chicago, IL Expert witness.	02/2009	01/2011
Greenwireless, San Francisco, CA Business and technical mentoring.	01/2009	05/2009
OCTOPY Corporation, Sunnyvale, CA Consulting/design on search technology.	10/2008	10/2008
MARS Corporation, Belgium Consulting Future of food.	07/2008	07/2008
Nortel Corporation, Toronto, Canada Innovation/incubation consulting.	03/2008	10/2008
Google, Mountain View, CA Geolocation and map consulting.	01/2008	04/2011
Industial Technology Research Institute, Taipei, Taiwan Innovation consulting.	01/2007	01/2008
Sanyang Motors, Taipei, Taiwan Innovation consulting.	05/2006	01/2007
Philip Morris, Richmond, VA Created alternative business proposals.	05/2006	01/2007
North Carolina Office of the Secretary of State, Raleigh, NC Responsible for hardware certification of voting machines.	10/2005	12/2005
Herman Miller Corporation, Zeeland, MI Created emerging technology and product opportunity roadmap.	10/2005	05/2006
One Laptop Per Child, Cambridge, MA Design consulting on form and keyboard.	01/2005	01/2008
American Association of People with Disabilities, Los Angeles, CA Expert on voting disabilities case.	06/2004	06/2005
DOD SERVE Project, Arlington, VA Evaluation of security for an internet ballot delivery system.	06/2004	11/2004
California Attorney General's Office, Sacramento, CA Evaluated problems with escrowed voting vendor software.	04/2004	06/2004

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Atigo, Yorba Linda, CA Created business plans and design of pedaling gas pedal driving car.	01/2004	07/2007
Brennan Center for Justice, New York, NY Created evaluations of cognitive disabilities on voting.	01/2004	07/2004
Sony Corporation, Tokyo, Japan Created design for smart companion product line.	04/2003	01/2004
France Telecom, Cambridge, MA Invented tactile phone input device.	04/2003	12/2003
Twin Cities Public Television, Minneapolis, MN Created LivingCenter; web interactive for Alzheimers care.	02/2003	06/2004
Design Continuum, Watertown, MA Ideas portfolio creation.	01/2003	01/2006
MasterCard, Purchase, NY Created secure RFID card prototypes.	01/2003	01/2004
Google, Inc., Mountain View, CA Assisted with product vision.	04/2002	02/2008
Nexgen, San Francisco, CA Proposed technology opportunities roadmaps for Nokia.	02/2002	06/2003
Ergodex, Mountain View, CA Redesigned input device design.	03/2001	06/2002
City of Philadelphia, Philadelphia, PA Analyzed voting machine impacts to disabled voters.	01/2001	02/2002
Getgo.com, Saratoga, CA Business consultant.	11/2000	01/2002
IBM, Armonk, NY Consulting on emerging technology.	06/2000	10/2002
Geoworks, Alameda, CA Expert witness on keyboard design.	06/2000	03/2001
Vert, Cambridge, MA Business planning, design, and construction of video roof for taxis.	04/2000	12/2001
Message Machines, Boston, MA Smartphone communication integration.	01/2000	05/2002
Find the Dot, Palo Alto, CA Physical design of scanner.	11/1999	12/2002
Xift, Palo Alto, CA Business planning and semantic search user interface design.	11/1999	09/2000

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Exsel Design, Arlington, MA Prepared business opportunities as a company incubator.	10/1999	06/2001
Cybertronics International, Palo Alto, CA Prepared business opportunities as a company incubator.	08/1985	09/1985
Pacific Bell, Walnut Creek, CA Improved user interface and online workflow for phone operators.	06/1985	07/1985
XEROX Palo Alto Research Center, Palo Alto, CA Built graphical interface tool for LOOPS programing environment. Built RF controls for position sensing for COLAB.	03/1985	09/1985
VA Rehabilitation R&D Center, Palo Alto, CA Design and evaluation for robot voice system.	01/1985	09/1985
Communications Intelligence Corporation, Redwood Shores, CA Business plan for Dreamwriter pen computer.	04/1984	06/1984

Government and Other Outside Committees, Service, etc.:

Institution	Position	Beginning	Ending
Impossible Objects	Scientific advisory board	2013	Present
Immersion	Scientific advisory board	2010	2014
Xconomy	Xconomist	2010	Present
GreenWireless	Startup mentor	2009	2010
Vote-id	Editorial Board	2008	Present
Lenovo	Innovation consultant	2008	
Mars foods	Innovation consultant	06/2008	06/2008
Nortel	Innovation consultant	05/2008	12/2008
ITRI	Visiting committee member	2007	2016
Brown University	Computer Engineering ABET Advisory Board	2004	2006
Scientific American	Brain Bank	2004	Present
ACM	Distinguished Lecturer	2004	
DOD SERVE Security	Advisory Board member	2003	2004
ML SIG Counter Intelligence	Director	2000	2008
AnyWare Radio, Valhalla NY	Board of Advisors	2000	2002
NASA Ames	Outside reviewer	1999	1999
IBM	Mobile Computing Science Advisory Committee	1998	1999

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CACM	Editorial advisor	1997	Present
PDII Journal	Board of advisors	1996	1998
IBM	Chair, User Interface Earthquake Task Force	1996	1998
IBM	Member, Pervasive Computing Task Force	1996	1997
IBM	Academy Member	1995	1999
IBM	Member, Ease of Use Task Force	1995	1998
IBM	Mobile Computing Technical	1993	1999
IBM	Scientific Advisory Committee	1993	1999
IBM	Corporate Technical Committee Task Forces	1994	1998

Awards Received	**Date**
University of Massachusetts Amherst **Outstanding Achievement and Advocacy Award**	2012
Telluride Technology Fest Award	2008
American Association of People with Disabilities **Thomas Paine Voting Award**	2006
Scientific American 50 Awards **Computer Science Policy Leader:** Ted Selker & Michael Alvarez	2004
Time magazine 2002 Best Inventions: Transit and Talk category: Sputmik microphone: Jo Wollschlaeger, Kevin Young, David Swett, Dana Gallimore, Ted Selker.	2002
IBM **Patent Plateau Award** (14 awards)	1990-1999
IBM **Corporate Award** for TrackPoint	1993, 1994, 1997
IBM **Outstanding Technical Achievement Award** for ScrollPoint	1997
Research Division Award for Recruitment	1995

ThinkPad Awards

Helped create IBM ThinkPad, recipient of over 500 industry awards.

Awards for my contributions:

Publico-Computadores (Portugal) **Recommended Award:** ThinkPad 755CV	1995
Toronto Star (Canada) 1st Annual Techie Awards, **Most Innovative Technology:** ThinkPad 755CV	1995
IBM Outstanding **Technical Achievement Award:** Kinglet Projection Computer	1995
PC (Australia) **Best New Hardware Award:** ThinkPad 755CV	1995
CeBit (Australia) **Industrial Design Award:** ThinkPad 755CV	1995

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Industry Forum Design Committee, **IF Award for Good Design:** ThinkPad 755CV	1995
Mobile Insights, **Mobility Award, Best Multimedia Notebook Product of the Year:** ThinkPad 755CV	1995
Mobile Office: **Product of the Year:** ThinkPad 755CV	1995
PC Laptop Computers: Editors' Choice Award **Notebook of the Year:** ThinkPad 755CV	1995
Multimedia World: **Best Portable Multimedia PC Readers Choice Award:** ThinkPad 755CV	1995
PC/Computing: **Best Color Notebook:** ThinkPad 755CV	1994
PC/Computing Editors' Choice: **Best System:** ThinkPad 755CV	1994
Computer Reseller News: Vision Award, **Notebook of the Year:** ThinkPad 755CV	1994
BYTE Magazine COMDEX: **Best of Show Overall Winner:** ThinkPad	1994
PC Expert: **France Technical Excellence Award** (Portable Category): ThinkPad 755CV	1994
Microtimes: **100 Industry Leaders**	1994
PC Magazine: **Design Award Finalist:** TrackPoint II	1993
PC Magazine: **Technical Excellence Finalist:** Design Category: TrackPoint II	1993
COMDEX: **EditorsChoice Award,** PC Laptop Computers**,** Newcomer of the Year	1993
Popular Science: **Best of What's New Award**	1993
*Portable Computing:***Exceptional Merit Award:** ThinkPad 700C	1993
Windows Sources: **ExpertsPick Award:** ThinkPad 700C	1993
PC Magazine: **COMDEX Technical Excellence Award,** Best System Category: ThinkPad 700C	1993
Business Week: **Best of 1993:** ThinkPad 700C	1993
Japanese Ministry of International Trade and Industry: **Good Design Award:** Minipointer Japanese Pointing Device	1993
PC Magazine, Editor's Choice - **Most Valuable Product Award** Notebook Category: ThinkPad 755CV	1993

Published about Ted Selker

1. **De Volgen-De Fase Van Online Design,** *EMERCE,* 36 Feb. 2014.

2. **Voting Procedures: Lessons from the 2000 election, a guide for 2008.** *MIT Spectrum*, Jan. 1, 2014. jpeg

3. **The Big Chill.** *Saveur Magazine,* Apr. 2010.

4. **Voting Procedures Lessons from 2000 Election: a Guide for 2008.** *MIT Spectrum,* Winter 2008.

5. **Ten Cool Kitchen Innovations.** *DiscoveryTech,* Dec. 2008.

6. **Ted Selker on Innovation**. *ODBMS Industry Watch,* Oct. 2008.

7. **MIT Prof Shows off Robot Dogs, Wallet Computers, Wearable Tech,** *Wired Gadget Lab.* Apr. 2008. jpeg

8. **Computers for the people,** *CNet News.com.* Apr. 22, 2008.

9. **Gadgets for Your Future Kitchen.** *Forbes.com,* Feb. 11, 2008. jpeg

10. **Panel affirms District 13 election results,** *Sarasota Herald Tribune.* Feb. 9, 2008.

11. **Future of the Kitchen**. *Kojo Nnamdi Show.* July 31, 2007.

12. **As Promised Potholes.** *Freepress Current Politics and News.* Mar. 3, 2007.

13. **MIT Design Selker Maeda.** *Intelligent Times,* cover story, pp. 54-59, Mar. 2007. jpeg

14. **Bye, Bye Computer Mouse.** *World and News,* Mar. 3, 2007.

15. **Paper Trail Difficult To Blaze.** *TBO.com,* Feb. 15, 2007.

16. **Kitchen of the Future Interview.** *Martha Stewart Living with Technology,* Sep. 26, 2006.

17. **Best of Show: IDs Annual Design Review. Best Category: Equipment, Stingray Connector.** (slideshow) *BusinessWeek Online,* July/Aug. 22, 2006. jpeg

18. **How Sex Sells on Dinner Plates**. *ID Magazine,* June 2006.

19. **Spoon! Intelligent Spoon**. *Gizmodo,* Apr. 13, 2006. jpeg

20. **Kitchen of the Future Demonstration.** *Martha Stewart Living.* Mar. 2006.

21. **Todays Kitchen of Tomorrow.** *Fast Company,* Jan. 2006. jpeg

22. **Finding Solutions for Today's Distracted Drivers.** *Move Magazine,* Fall 2005. jpeg

23. **Profile.** *Axis,* Vol. 116, p. 38, Aug. 2005. jpeg

24. **Headphones as Key to Voting Reform.** *Science,* June 27, 2005.

25. **US E-Voting Proponents Say No to Paper Trails.** *New Scientist,* June 22, 2005.

26. **Even the Kitchen Sink**. *The Boston Globe,* May 4, 2005. jpeg

27. **A Day of Poll Watching: Reno and Sparks, Nevada.** *UX: User Experience,* Spring 2005. jpeg

28. **Tech 2005 - What's New and What's Next.** *PC World,* Feb. 2, 2005.

29. **Scientists Take Center Stage in U.S. Election Reform.** *Washington Focus,* Jan. 2005. jpeg

30. **Weird Wireless; the Sputmic Microphone Concept.** June 4, 2004 *Gizmag*

31. **Hope for E-Voting.** *The Brian Lehrer Show.* Dec. 22, 2004.

32. **Selker Reflects on 2004 Election.** *MIT News Office,* Dec. 2, 2004.

33. **Spray-On Baby Clothes.** *The New York Times Magazine,* p. 92, Nov. 29, 2004.

34. **Young and Very Inventive.** *The New York Times Magazine,* p. 126, Nov. 29, 2004. jpeg

35. **Problem: Too Much Dirty Laundry.** (slideshow) *New York Times on the web,* Nov. 24, 2004.

36. **The Real Problem with Voting.** *Technology Review,* Nov. 17, 2004. jpeg

37. **Thumbs Up for E-Voting in US**. *New Scientist,* Nov. 13, 2004.

38. **2004 Scientific American 50 Awards.** *Scientific American,* Nov. 11, 2004.

39. **Touch Screen Voting Faces Biggest Test.** *ABC News,* Nov. 2, 2004.

40. **Electronic Voting Glitches Reported.** *Newsday,* Nov. 2, 2004.

41. **The Big Election Beta Test.** *CNET News,* Nov. 1, 2004.

42. **E-Voting Software Raises Questions.** *CRM Daily,* Nov. 1, 2004.

43. **Internet Voting: What Are We Waiting For?** *Business 2.0,* Oct. 29, 2004 jpeg

44. **Electronic Voting: The Latest News.** *Washington Post,* Oct. 29, 2004.

45. **Nov. 2: The Biggest Test Yet for Touch-Screen Voting.** *Christian Science Monitor,* Oct. 29, 2004. jpeg

46. **Voting Methods Under Close Watch.** *CNN,* Oct. 26, 2004.

47. **Record Suggests Electronic Voting Best Bet for Accurate Count.** *Florida Sun-Sentinel,* Oct. 25, 2004. jpeg

48. **Electronic Voting Raises New Issues.** *Washington Post,* Oct. 25, 2004. jpeg

49. **Final Presidential Charge Begins.** *CNN Interview,* Oct. 23, 2004.

50. **Kerry Battles for Votes in Swing States.** *Lou Dobbs Tonight, CNN,* Oct. 22, 2004.

51. **Touch-Screen Voting Should Be a Help.** *Newsday,* Oct. 10, 2004.

52. **The Great American E-voting Experiment.** *Analysis: New Scientist,* Oct. 4, 2004.

53. **MIT Professor Confident Novembers Election Will Be on the Level.** *Boston Herald,* Oct. 1, 2004.

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54. **A Touchy Election Issue.** *CFO.com,* Sept. 30, 2004.

55. **The First Iron Prototype-athon.** *The Media Laboratory,* Aug-Sep. 2004. jpeg

56. **Cooking Up a Digital Future.** *British Broadcasting Company News Online,* Aug. 31, 2004. jpeg

57. **Several Million Deprived of Voting Rights Again?** *Kansas City Infozine,* Aug. 25, 2004.

58. **Rush to Absentee Ballots May Magnify Trouble.** *Palm Beach Post,* Aug. 2, 2004. jpeg

59. **Is Staff the Achilles Heel at Polls?** *St. Petersburg Times,* Aug. 1, 2004.

60. **Bike, Meet Brain.** *Bicycling Magazine,* July 2004. jpeg

61. **Voting Reform Not Ready for Nov.** *The Boston Phoenix,* July 23-29, 2004.

62. **Charles Ogletree and Ted Selker Discuss Legal and Technical Challenges of the Electoral Process**. *The Tavis Smiley Show, National Public Radio*, July 20, 2004.

63. **Is E-Voting Safe?** *PC World,* June 2004.

64. **E-Democracy: The Lowdown on E-Voting.** *CIO,* June 1, 2004.

65. **Kitchens of the Future.** *Discovery Canada,* May 25, 2004.

66. **Profile: Voting Machines.** *Morning Edition, National Public Radio,* May 6, 2004.

67. **Kitchens of the Future.** *Metropolis, Apr. 2004.* jpeg

68. **Re-Booting the Ballot Box.** *The Connection, National Public Radio,* Apr. 26, 2004.

69. **This New House.** *PEOPLE,* Apr. 12, 2004. jpeg

70. **Spin interview: Damien OMeara and Ted Selker Discuss Credits Cards and Payment Authorization**

Using Radio Tags. *Radio 1038,* Dublin, Ireland, Apr. 5, 2004.

71. **Electronic Voting Alternative Offered.** *San Jose Mercury News,* Apr. 1, 2004.

72. **Credit Cards Tap into Radio Tags**. *BBC News Online,* Apr. 1, 2004.

73. **Interview with Eileen Dempsey Discussing Voting Machine Technology.** *WNBR,* Feb. 2004.

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	Expert Testimony	**Beginning**	**Ending**
1.	DoDots v. Samsung Inc., Best Buy Co. Inc. Plaintiff	05/2022	present
2.	DoDots v. Apple Inc., Best Buy Co. Inc, Plaintiff	05/2022	present
	Disability rights of California	06/2021	present
3..	American Council of the Blind of Indiana, et.al.v. Indiana Election Commission, Disabilities Rights Advocates, Case No. 1:20-cv-3118-JMS-MJD. Plaintiff.	03/2021	present
4.	Barbara Rivero, et. Al and Bay state Council of the Blind V. William Francis Galvin Secretary of State of Massachusetts., C.A. No. 1:20-cv-11808. Disabilitites Law Center. Plaintiff.	09/2020	11/2020
5.	North Carolina State Board of Elections, et.al. Case No 5:20-cv-411, Disability Rights Advocates, Plaintiff.	08/2020	09/2020
6.	Joeseph Drenth and National Federation of the Blind of Pennslyvania, v. PA, Brown, Goldstein & Levy No. 1:20-0829. Plaintiff.	07/2020	08/2020
7.	Creswell V. **Lenovo**, Akin Gump Strauss Hauer & Feld. **Defendant**.	04/2016	05/2016
8.	Addidas V. **Under Armour and Mapmyfitness**, C. A. No. 14-130 GMS. **Defendant**	04/2015	04/2016
9.	Honeywell International: defendant, v. Allure Energy Case No. IPR2015-01253.	03/2015	05/2018
10.	Queens University at Kinsgston, et al. v. Samsung Electronics, et al., Case No. 2:14-cv-53-JRG-RSP (E.D. Tex.). plaintiff	07/2014	02/2015
11.	Disabilities Rights Advocates v. County of Alameda et al. Case No. 13cv03443JCS. Plaintiff.	08/2013	11/2013

12.	Powel Gilbert Barristers LLP, London representing Nokia defendant.	11/2010	
13.	Decision Support LLC. v. Election System& Software & Datacard Corporation. Inc. et al., Civil Action No. 3:10cv190. Plaintiff.	04/2010	01/2013
15.	Motorola, Inc. v. VTECH Communications defendant, Inc. et al., Civil Action No. 5:07-CV-00171.	01/2009	03/2010
16.	In the Matter of Certain Video Game Machines and Related Three-Dimensional Pointing Devices, ITC Inv. No. 337-TA-658. Defendant,	11/2008	
17.	In the Matter of: Paralyzed Veterans of America, et al. v. Bruce McPherson, et al.: plaintiff, Civil Action No. C 06 4670 SBA.	10/2007	
18.	Peter Benavidez, et al. v. Kevin Shelley, Secretary of State of CA voting. Civil Action No. CV-04 3318 FMC (PJWx).. Plaintiff,	06/2004	
19.	National Organization of Disabilities v. **Margaret M. Tartaglione city of Philadelphia**:, et al. Civil Action No. 01-1923. D**efendan**t,	01/2001	03/2003
19.	**American Civil Liberties Union Chicago**, IL: P**laintiff,** Performed evaluation of punch card use in Cook County, Illinois.	02/2002	2003
20.	ITC investigation between Geoworks, Alameda, CA, Phone.com and Sanyo corporation: Finnegan, Henderson, Farabow, Carrett & Dunner **Defendant.**	06/2000	3/2001

Record of Research Funding for Ted Selker

Grant	Date Awarded	Total USD
IBM Research and Divisions	08/1985-09/1999	21,000,000
Ericsson	03/01/2013-12/01/2014	150,000
TCL	02/01/2012-06-01-2012	50,000
Samsung	05/01/2011-12/01/2011	75,000
EAC	08/01/2011-08/01/2013	610,001
NIH STTR 1 R41 AG037216-01	09/10/2010-06/01/2011	111,770
NSF FODAVA CCF0937044	10/01/2009-09/30/2011	497,401
Knight Fund (Renewal)	02/01/2006	750,000
Campbell Soup	08/01/2005-07/31/2008	225,000
Carnegie Fund (Renewal)	07/01/2005	300,000
CleanUp Corporation	04/01/2003-03/31/2006	225,000
Carnegie Fund	07/01/2003	573,200
Knight Fund	10/01/2003	1,393,000
Schott Glass	06/01/2000-05/31/2003	225,000

McDonalds Corporation	01/01/2000-12/31/2002	225,000
Royal Ahold	01/01/2000-06/30/2004	300,000
Best Buy	01/01/2000-12/31/2001	75,000
Unilever	01/01/1999-12/31/2000	75,000
Masco Corporation	10/01/1999-04/11/2001	75,000
Kraft Foods	01/01/1999-12/31/2001	50,000
Other Media Lab sponsors	09/1999 – 7/2008	6,750,000
Total		**$ 33,235,372**

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Teaching Experience

Carnegie Mellon University:

Term	Course #	Title	Role	Enrollment
Summer 2013	96796	Human Computer Interaction	Instructor	8
Summer 2013	96715	Android Product Development	Instructor	20
Summer 2013	96772	Extreme Interface Voting with Disabilities	Instructor	7
Summer 2012	96796	Human Computer Interaction	Instructor	23
Summer 2012	96715	Android Product Development	Instructor	25
Summer 2011	96715	Android Product Development	Instructor	16
Summer 2010	96715	Android Product Development	Instructor	23
Spring 2010	96826	Research Methods and Theory	Instructor	11
Fall 2009	96826	Research Methods and Theory	Instructor	15

Massachusetts Institute of Technology:

Term	Course #	Title	Role	Enrollment
Fall 2007	MAS 964	One Lap Top Per Child	Instructor	16
Fall 2006	MAS 742	Industrial Design Intelligence	Instructor	8
Fall 2005	MAS 742	Industrial Design Intelligence	Instructor	12
Fall 2005	MAS 741	Context Aware Computing	Instructor	8
Fall 2004	MAS 966	Voting Technology	Instructor	9
Fall 2004	MAS 742	Industrial Design Intelligence	Instructor	12
Fall 2003	MAS 742	Industrial Design Intelligence	Instructor	12
Fall 2003	MAS 741	Context Aware Computing	Instructor	5
Fall 2002	MAS 742	Industrial Design Intelligence	Instructor	15

Stanford University:

Term	Title	Role	Enrollment
Spring 1997	Proactive and Reactive Agents in User Interface	Instructor	12
Spring 1996	Proactive and Reactive Agents in User Interface	Instructor	15
Spring 1995	Proactive and Reactive Agents in User Interface	Instructor	14
Spring 1994	Proactive and Reactive Agents in User Interface	Instructor	10
Spring 1993	Proactive and Reactive Agents in User Interface	Instructor	12

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Fall 1984	AI Programming	Instructor	100

Hampshire College:

Term	Course #	Title	Role	Enrollment
Spring 1978	DIV 1, 2, 3	Hampshire Individual Project Courses	Instructor	3
Fall 1978	DIV 1, 2, 3	Hampshire Individual Project Courses	Instructor	5

University of Massachusetts at Amherst:

Term	Course #	Title	Role	Enrollment
Spring 1980	COINS 121	Pascal Programming	T.A.	90

Brown University:

Term	Course #	Title	Role	Enrollment
Spring 1978	ENG 106	Computer Architectures	T.A.	40
Fall 1977	ENG 163	Digital Electronics	T.A.	30

B.S. Students

1. Jeff Hoff. **PlaceMap: A User-Based Mapping Application.** May 2006.
2. Noel L. Campbell. **Cell Phone Interruption Handler.** May 2006.
3. Michael Moon. **Cell Phone Smart Store Interaction.** May 2004.
4. Jeremy Arnold. **Smart Helmet.** May 2003.
5. Jean Bertho Almonord. **Virtual Campus Platform.** May 2003.
6. Jessica Scott. **Intelligent Juke Box.** May 2003.
7. Will Arora. **Parasitic Power from the Expansion of the Human Chest During Respiration.** Dec. 2002.
8. Elizabeth Herbert. **Smart Ballot Layout System.** May 2002.
9. Connie Mansim. **Large Movement Detection in Eye.** May 2001.
10. Jessy Pavel. **Music Ball.** May 2001.
11. Maggie Lee Oh. **Intelligent Floor Imagery.** Dec. 2000
12. Anthony Pelosi. **Eye-aRe BaseStation: Enhancing our Social Environment by Tracking Conversations.** May 2001

M.S. Students

1. Cejana Maciel. **Productivity and Engineering Reuse in Agile Crowdsourced Software Development.** Aug. 2010.
3. John Wetzel. **Face Interface: A Methodology for Experimental Learning of Input Modalities.** May 2007.
4. Anthony Johnson. **Mobile Essence: A Mobile non-invasive Platform for Meeting Notes Capture.** June 2007.

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5. Hector Yuen. **An Ad-Hoc Wireless Communication System.** Sep. 2006.

6. Matthew Hockenberry. **Grounding for a Computational Model of Place** Aug. 2006.

7. Tomer Posner. **Application of Lean Management Principles to Voting Systems.** Dec. 2005

8. Chia-Hsun Jackie Lee. **Spatial User Interfaces: Augmenting Human Sensibilities in a Domestic Kitchen.** July 200

9. Leonardo Bonanni. **Design of Intelligent Interiors.** June 2005.

10. Sharon Cohen. **Auditing Technology for Electronic Voting Machines.** May 2005.

11. Soyini Liburd. **An N-version Electronic Voting System.** May 2004.

12. Napier Fuller. **M a p N e x u s; Modelling Human Behavioral Patterns in Architectural Space to Enable Context-Aware Information Exchanges in a Wireless Intranet,** Aug. 2003.

13. Michael Rosenblatt. **Building a Community of Contributors to an Invention Resource Database.** Sep. 2003.

14. Mansim Connie Cheng. **The Design of Intelligent Cookware.** Aug. 2003.

15. Boris Paskalev. **Navigational and Delivery System in the USPS Conceptual Truck.** May 2003.

16. Taly Sharon. **An Advanced Driver Warning Framework Incorporating Educational Warning.** May 2003.

17. Andrea Lockerd. **Understanding Implicit Social Context in Electronic Communication.** Sep. 2002.

18. Surjit Patel. **MediaConnector: A Gestalt Media Sharing System.** Sep. 2002.

19. Ernesto Arroyo. **Arbitrating Interruption Modalities Using Ambient Displays.** Aug. 2002.

20. Florian Mueller. **Sports Over a Distance for Social Bonding and Fun.** Aug. 2002.

21. Jorge Ulises Martinez Araiza. **Wireless Transmission of Power for Sensors in Context Aware Spaces.** May 2002.

22. Shyam Krishnamoorthy. **Minerva: A Smart Video Assistant for the Kitchen.** Sep. 2001.

23. Michael Li. **In Vision: a System Using Vision Patterns to Understand User Attention.** Feb. 2001

24. Neil Van Dyke. **MindShare: Knowledge Sharing via Personalized Views on a Composite Ontology.** Sep. 2000.

25. Katherine Blocher. **Affective Social Quest (ASQ) Teaching Emotion Recognition with Interactive Media and Wireless Expressive Toys.** June 1999.

Ph.D. Students

1. Rahul Rajan, Considerate Systems, CMU, ECE, Sept. 2009 – Sep. 2016.

2. Priya Sundararajan, CMU, ECE, Sep. 2009 – July 2016

3. Chihiro Suga, CMU, ECE, Jan. 2013 – Aug. 2015

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4. Chia-Hsun (Jackie) Lee. **Misunderstanding Detection: Externalizing and interpreting Autonomic Arousal in People Diagnosed With Autism,** MIT, Media Arts and Sciences, June 2011.

5. Ernesto Arroyo. **Implicit Metrics of Activity and Attention**. June 2007.

6. Jacky Mallet. **Eye Society: Building Intelligent Co-operative Networks of Smart Cameras.** MIT, Media Arts and Sciences, Sep. 2005.

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