

Ted Selker

2010

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Education

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

Employment:

Employer	Position	Beginning	Ending
Carnegie Mellon University Silicon Valley	Associate Director Mobility Research	11/2009	present
• Develop research program			
Stanford University Computer Science	Visiting Scholar	09/2008	present
• Student advising, lectures.			
MIT, Media Laboratory	Associate Professor	09/1999	06/2008
• Context Aware Computing Group, Design Intelligence /Kitchen intelligence			
MIT/Caltech Voting Project	Co-Director	01/2004	06/2008
• Research and national impact on voting security, usability and accessibility.			
MIT, Visiting Associate Professor, Media Laboratory		09/1998	06/1999
• Co-taught Tangible Computing, Co-taught \$10 laptop.			
IBM Almaden Research Center	IBM Fellow	06/1996	10/1999
• Corporate emerging technology strategy, R&D policy, innovation,			
IBM Almaden Research Center	Senior Manager	09/1995	10/1999
• Created User Systems Ergonomics Research (USER), oversaw dozens of product transfers.			
IBM Almaden Research Center	Manager	11/1992	09/1995
IBM T.J. Watson Research Center	Research Scientist	08/1985	11/1992
• Prototyped and published user interface research.			
Stanford University, Computer Science	Teaching Fellow	09/1984	08/1985
• Taught CS121; AI and Lisp (see Teaching Experience below).			
Atari Sunnyvale Research Lab	Research Scientist	05/1983	04/1984
• Prototyped several physical and intelligent interfaces.			
Stanford University, Computer Science	Research Engineer	09/1981	05/1983
• Built collaborative display system for Stanford AI Laboratory.			
Stanford University, Robotics Lab.	Research Assistant	06/1981	05/1983
• Adaptive graphical interface, collaborative computing.			
• Created User Systems Ergonomics interface seminar series.			
University of Massachusetts, Amherst	Research Assistant	05/1980	12/1980
• Brain modeling, created neurophysiology lab instruments.			
• Developed a rubber robot muscle.			
Hampshire College	Lecturer, Director HALCOGS	09/1979	05/1980

• Created cognitive science/computer research lab.			
Brown & Sharpe	Product Designer	06/1978	09/1978
• Decreased run-out for first digital dial indicator by ten times.			
Brown University	Photo Editor	09/1977	09/1979
• Edited photos for daily and weekly newspapers.			
Brown University	Research Assistant	09/1976	06/1978
• Built equipment and lab for single cell recording in cat visual system.			
• Created digital electronics, microprocessor workshop for faculty.			
Weyerhaeuser Research	Research Intern	06/1974	09/1976
• Built environmental sensors and instrumented forest.			
• Created control system for experimental sawmill.			
• Wrote program using structured light to classify lumber cutting problems.			
Longview Bike Shop	Mechanic	09/1972	01/1974
Alvin TV Repair	TV/Radio Repairperson	03/1969	06/1971

Consulting Record:

Firm	Beginning	Ending
Mcandrews, Held Malloy, Chicago Ill Expert witness	2/2009	
Emota, SanMateo Ca Business and technical mentoring	6/2009	
Greenwireless, Sanfransisco Ca. Business and technical mentoring	1/2009	5/2009
Google, Mountainview Ca. Geolocation and map consulting	1/2008	12/2008
One Laptop Per Child, Cambridge Ma. Design consulting on form and keyboard.	01/2007	01/2008
ITRI, Taipei, Taiwan Creativity lab consulting	01/2007	01/2008
Sanyang Motors, Taipei, Taiwan Creating approach to improving company innovation culture.	05/2006	01/2007
Philip Morris, Richmond, VA Creating 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

AAPD , Los Angeles, CA Named as expert on voting disabilities case.	06/2004	Present
California Attorney General's Office , Sacramento, CA Evaluated problems with escrowed voting vendor software.	04/2004	06/2004
DOD SERVE Project , Arlington, VA Evaluation of security for an internet ballot delivery system.	06/2004	11/2004
Atigo , Yarbalinga, CA Create business plans and design of pedaling gas pedal driving car.	01/2004	Present
Design Continuum , Watertown, MA Create idea portfolios for various design opportunities.	01/2003	01/2006
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 Alzheimer's care.	02/2003	06/2004
MasterCard , Purchase, NY Created secure RFID card prototypes.	01/2003	01/2004
Google, Inc. , Mountain View, CA Helped with product vision and human resources consulting.	04/2002	12/2008
American Civil Liberties Union , Chicago, IL Performed evaluation of punch card use in Cook County, Illinois. Prepared materials for legal position on Punchcards	03/2002	04/2003
Nexgen , San Francisco, CA Proposed emerging technology opportunities and roadmaps for Nokia.	02/2002	06/2003
Ergodex , Mountain View, CA Redesigned input device design.	03/2001	Present
City of Philadelphia , Philadelphia, PA Analyzed voting machine impacts to disabled voters.	01/2001	02/2002
Brennan Center for Justice , New York, NY Created evaluation s of cognitive disabilities on voting.	01/2004	07/2004
IBM , Armonk Ny Consulting on ThinkPad and emerging technology.	06/2000	10/2002
Geoworks , Alameda, CA expert witness on keyboard design	06/2000	3/2001

Message Machines , Boston, MA Did design for multiplatform communication business.	01/2000	05/2002
Vert , Cambridge, MA Did business planning, design and construction of video roof for taxis.	04/2000	12/2001
Getgo.com , Saratoga, CA Business consulting.	11/2000	01/2002
Find The Dot , Palo Alto, CA Did business consulting, physical design of scanner.	11/1999	12/2002
Xift , Palo Alto, CA Did business planning and semantic search user interface design.	11/1999	09/2000
Exsel Design , Arlington, MA Prepared business opportunities as a company incubator.	10/1999	06/2001
VA Rehabilitation R&D Center , Palo Alto, CA Did evaluation and design for robot voice system.	01/1985	09/1985
Pacific Bell , Walnut Creek, CA Improved user interface and online workflow for phone operators.	06/1985	07/1985
Cybertronics International , Palo Alto, CA Designed product: The Thought Processor.	08/1985	09/1985
XEROX Palo Alto Research Center , Palo Alto, CA Built graphical interface package for LOOPS. Built RF controls for laser position sensing for COLAB.	03/1985	09/1985
Communications Intelligence Corporation , Redwood Shores, CA Wrote business plan for Dreamwriter pen computer.	04/1984	06/1984

Government and Other Outside Committees, Service, etc.:

Institution	Position	Beginning	Ending
IBM	Mobile Computing Technical Advisory Committee	1993	1999
IBM	Academy member	1995	1999
IBM	Corporate Technical Committee Task Forces:		
	Member, Ease of Use Task Force	1995	1998
	Member, Pervasive Computing Task Force	1996	1997
	Chair, User Interface "Earthquake" Task Force	1996	1998
PDII Journal	Board of Advisors	1996	Present
CACM	Editorial Advisor	1997	Present
Personal Technologies	Editorial Board	1997	Present
VOTE			
IBM	Mobile Computing Science Advisory Committee	1998	1999
NASA Ames	Outside Reviewer	1999	1999
AnyWare Radio, Valhalla NY	Board of Advisors	2000	2002
ML SIG Counter Intelligence	Director	2000	Present
DOD SERVE Security	Advisory Board Member	2003	2004
Brown University	Computer Engineering ABET Advisory Board	2004	Present
Scientific American	Brain Bank	2004	Present
ACM	Distinguished Lecturer	2004	Present
ITRI	Visiting committee member	2007	
Lenovo	Innovation consultant	06/2008	Present
Mars foods	Innovation consultant	06/2008	06/2008
Nortel	Innovation consultant	05/2008	Present
GreenWireless	Startup mentor	01/2009	Present
Vote-id	Editorial Board	10/2008	Present

Awards Received:

Award	Date(s)
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	2002
Design Continuum and MIT	
IBM Patent Plateau Award (14 awards)	1990–1999
IBM Corporate Awards for TrackPoint	1993, 1994, 1997
IBM Outstanding Technical Achievement Award (ScrollPoint)	1997
Research Division Award for Recruitment	1995
Microtimes 100 industry leaders	1994
PC Magazine Design Award Finalist (TrackPointII)	1993
PC Magazine Technical Excellence Finalist, Design Category (TrackPoint II)	1993
ThinkPad Awards	

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

Following awards recognized my unique contributions:

<i>Publico-Computadores</i> (Portugal), Recommended Award, ThinkPad 755CV	1995
<i>Toronto Star</i> (Canada), 1 st 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
Industry Forum Design Committee, IF Award for Good Design, ThinkPad 755CV	1995
<i>Mobile Insights</i> , Mobility Award, Best Multimedia Notebook, Product of the Year, ThinkPad 755CV	1995
<i>Mobile Office</i> , Product of the Year, ThinkPad 755CV	1995
PC Laptop Computers, Editors' Choice Award Notebook of the Year, ThinkPad 755CV	1995
<i>Multimedia World</i> , Best Portable Multimedia PC Reader's Choice Award, ThinkPad 755CV	1995
PC/Computing, Best Color Notebook, ThinkPad 755CV	1994
PC/Computing, Editors' Choice Award, Best System, ThinkPad 755CV	1994
<i>Computer Reseller News</i> , Vision Award, Notebook of the Year, ThinkPad 755CV	1994
BYTE Magazine, COMDEX Best of Show Overall Winner, ThinkPad	1994
PC Expert, Ziff-Davis, France Technical Excellence Award (Portable Category), ThinkPad 755CV	1994
COMDEX, Editors' Choice Award, PC Laptop Computers, Newcomer of the Year	1993
<i>Popular Science</i> , Best of What's New Award	1993
<i>Portable Computing</i> , Exceptional Merit Award, ThinkPad700C	1993
<i>Windows Sources</i> , Experts' Pick Award, ThinkPad700C	1993
PC Magazine, COMDEX Technical Excellence Award, Best System Category, ThinkPad 700C	1993
<i>Business Week</i> , Best of 1993, ThinkPad 700C	1993
Japanese Ministry of International Trade and Industry, Good Design Award, Minipointer Japanese Pointing Device	1993
PC Magazine, Editors' Choice - Most Valuable Product Award, Notebook Category, ThinkPad 755CV	1993

Current Organization Membership:

American Association for the Advancement of Science (AAAS)
 Association of Computer Machinery (ACM)
 Industrial Designers Society Association of America (IDSA)
 Institute of Electronic Engineering (IEEE)
 Computer Human Interaction (SIGCHI)
 Human Factors Society (HFS)
 Committee on Voting System Standards (IEEE 1583)

Patents and Patent Applications Pending:

1. #4780707, 10/25/1988 Analog input device for a computer. Edwin J. Selker.
Used in many products.
2. #05274363, 12/28/1993 Interactive display system. Edwin J. Selker, Lawrence H. Koved.

3. #05349321, 09/20/1994 Powercord transformer. Edwin J. Selker.
4. #05423690, 06/13/1995 Universal electrical power plug for multination use with self-setting contact pins. Edwin J. Selker.
Used to convince IBM to make smaller simpler cords.
5. #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.
6. #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.
7. #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.
8. #05539369, 07/23/1996 Multiple-toroid induction device. Edwin J. Selker, Jason M. Jacobs, Robert J. Kelley Joseph D. Rutledge.
9. #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 manufacturing of many products.
10. #05565888, 10/15/1996 Method and apparatus for improving visibility and selectability of icons. Edwin J. Selker.
11. #05570268, 10/29/1996 Stowable wrist rest for portable computers. Edwin J. Selker.
12. #05579033, 11/26/1996 Pointing device for retrofitting onto the keyboard of an existing computer system. Joseph D. Rutledge, Edwin J. Selker.
13. #05586243, 12/17/1996 Multiple display pointers for computer graphical user interfaces.
#05699534, 12/16/1997 Ronald J. Barber, Daniel A. Ford, Edwin J. Selker.
#05777615, 07/07/1998
14. #05658152, 08/19/1997 Three-prong swivel plug. Edwin J. Selker.
15. #05689246, 11/18/1997 Intraoral communication system. Rowan L. Dordick, Edwin J. Selker.
16. #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 Joseph Selker, Michio Suzuki, Tomoyuki Takahaski, Yoshiharu, Uchiyama.
Used in ThinkPad 755 and 760 products.
17. #05696535, 12/9/1997 Graphics display pointer with integrated selection. Joseph D. Rutledge, Edwin J. Selker.
18. #05699082, 12/16/1997 Enhanced program access in a graphical user interface. Ronald Franklin Marks, Edwin J. Selker.
19. #05699534, 12/16/1997 Multiple display pointers for computer graphical user interfaces.

Ronald Jason Barber, Daniel Alexander Ford, Edwin J. Selker.

20. #05734835, 03/31/1998 Inexpensive World Wide Web terminal appliance using disk synchronized with raster refresh for storage of display pages. Edwin J. Selker.
21. #05736974, 04/07/1998 Method and apparatus for improving visibility and selectability of icons Edwin J. Selker. Used in OS/2 Smart Guides.
22. #05764219, 06/09/1998 Controller for improved computer pointing devices. Joseph D. Rutledge, Edwin J. Selker.
23. #05767840, 06/16/1998 Six-degrees-of freedom movement sensor having strain gauge mechanical supports. Edwin J. Selker.
24. #05777704, 07/07/1998 Backlighting an LCD-base notebook computer under varying ambient light conditions. Edwin J. Selker.
25. #05793358, 08/11/1998 Method and means for managing a luminescent laptop keyboard. Dragutin Petkovic, Edwin J. Selker.
26. #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.
27. #05867808, 02/02/1999 Force transducer with screen-printed strain gauges Edwin J. Selker, Barton A. Smith, Boris Kamentser. Used in many TrackPoint Products.
28. #05870082, 02/09/1999 Pointing device with reciprocating grip cap Edwin J. Selker, Barton Allen Smith, Todd Clossen Wyant.
29. #05874697, 02/23/1999 Thin keyboard switch assembly with hinged actuator mechanism. Edwin J. Selker, William Marvin Dyer, Jeffery Daniel Allison.
30. #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.
31. #05908467, 06/01/1999 System and method for displaying file parameters. Robert Carl Barrett, Daniel Clark Kellem, Paul Philip Maglio, Edwin J. Selker.
32. #05912659, 06/15/1999 Graphics display pointer with integrated selection. Joseph D. Rutledge, Edwin J. Selker. Used in all Trackpoint Devices 1998 and on.
33. #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.
34. #05945979, 08/31/1999 Combined digital and analog cursor control. Joseph D. Rutledge, Edwin Joseph Selker, John Daniel Upton.
35. #05953425, 09/14/1999 Personal area network security lock and recharger combination apparatus for equipment access and utilization. Edwin Joseph Selker.
36. #05973670, 10/26/1999 Tactile feedback controller for computer cursor control device. Ronald Jason Barber,

Edwin Joseph Selker.

37. #05982304, 11/09/1999
Piezoelectric switch with tactile response. Edwin Joseph Selker, Jonathan Nobel Betts.
38. #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.
39. #06076784, 06/06/2000
Continuous moving keyboard/wrist rest. Edwin J. Selker
40. #06182098, 01/30/2001
Next/current/last ticker graphical presentation method. Edwin J. Selker.
41. #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.
42. #06195082, 02/27/2001
Low-noise circuit board for TrackPoint pointing device. Kim Wesley May, Edwin J. Selker, Barton Allen Smith. Used to create most modern TrackPoint products.
43. #06229697, 05/08/2001
#06356440, 03/12/2002
Notebook computer having a resilient, portfolio-type case. Edwin J. Selker. Used in IBM Transnote product.
44. #06240521, 05/29/2001
Sleep mode transition between processors sharing an instruction set and an address space. Ronald Jason Barber, Edwin J. Selker.
45. #06271834, 08/07/2001
Integrated pointing device having tactile feedback. Kim Wesley May, Edwin Joseph Selker.
46. #06297807, 10/02/2001
Microphone sheath having pointing device and control buttons. Christopher Eisbach, Edwin Joseph Selker.
47. #06341061, 01/22/2002
Standup notebook computer. Christopher Eisbach, Eric Andrew Knopf, Derek Solomon Pai, Ramiro Ramirez, Edwin Joseph Selker, Todd C. Wyant.
48. #06384810, 05/07/2002
Keyboard with belt clip attachment and height adjustment. Edwin Joseph Selker.
49. #06522763, 02/18/2003
Impact-resistant electronic device.
50. #6549219, 04/15/2003
Pie menu graphical user interface. Edwin J. Selker.
51. #6614421, 09/02/2003
Keyboard having buttons positioned for operation by heel of hand. Edwin Joseph Selker Barton Allen Smith, Todd Clossen Wyant.
52. #20040036622 10/09/2002
pending
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.
53. #06549933, 04/15/2003
Managing, accessing, and retrieving networked information using physical objects associated with the networked Information. Robert Carl Barrett, Paul P. Maglio, Edwin J. Selker.
54. #06577329, 06/10/2003
Method and system for relevance feedback through gaze

tracking and ticker interfaces. Myron Dale Flickner, David Bruce Koons, Qi Lu, Paul Philip Maglio, Carlos Hitoshi Morimoto, Edwin J. Selker.

- 55. #6863220 B2, 03/08/2005 Manually-operated switch for enabling and disabling an RFID card.
Edwin Joseph Selker. Licensed by Panasonic.
- 56. #7383911, 3/24/2005 Wireless Seatbelt Buckle Switch Harvesting Energy and Method There for
Steven Yellin Schondorf, Kristin Marie Schondorf, Ted Selker, Scott Howard
Gaboury, Thomas Michael McQuade.
- 57. #7100835, 09/05/2006 Methods and apparatus for wireless RFID cardholder signature and data entry.
Edwin Joseph Selker.
- 58. #707439US1,11/07/;2007 Occupant Exit Alert System-Chrysler, Ted Selker, Steven Buckley.
Pending
- 59. #PO7642US, 11/05/2008 Flat Panel Display with Capacitance Sensing Touch Screen, Ted Selker.
Pending

Projects: Product Transfers and Public Installations

1. **From Hardware To Soft Form.** Created modular interactive smart floor controlling architectural imagery display. Winka Dubbledam, Jorge Martinez, Ernesto Arroyo, Ted Selker, Win Burleson. Fredreike Taylor Gallery, NYC, September - October 2002, Espaciotres Gallery, Mexico City, August 17, 2004
2. **ThinkPad Transnote.** Innovated and prototyped portfolio notebook that started project, October 2001.
3. **Canopy Climb.** Win Burleson, Ted Selker. Installed at Selby Gardens museum, Sarasota, FL, 2002.
4. **ThinkPad X30.** Innovated and prototyped large and cupped TrackPoint tops for improved control. IBM, October 2002.
5. **ThinkPad T20.** Innovated and made prototypes for IBM access key, keyboard illuminator, attachable port for camera, etc. at top of display. IBM, October 2001.
6. **Vert Taxi Display.** Prototyped first version with team and guided consulted on all aspects, Vert Corporation, Cambridge, MA, January 2001.
7. **ThinkPad 600.** Innovated and lead all work to create 3-D gesture recognizing TrackPoint and two pointing device features for scrolling and magnifying applications. IBM, October 1998.
8. **Smart Guides.** Innovated and drove all product development for Smart-Guides OS/2 adaptive help. IBM, September 1996.
9. **Help Center for Excellence.** Created prototypes and drove commitment to create. IBM, November 1992.
10. **ThinkPad 755CV, CDV.** Innovated and lead all work to create projection/outdoor display in notebook computer, removable strap. IBM, October 1995.
11. **OS2 Warp Special Needs Package.** Lead team to create special needs package. IBM, October 1994.
12. **IBM Agents Center.** Lead team and product innovation to start a \$3,000,000/year project. IBM, 1994, 1995.
13. **ThinkPad 755.** Innovated and lead 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, October 1995.
14. **IBM C++ class library search and browse features.** Managed team to achieve product transfer.
15. **Science Wand.** Museum installation showing use of joystick to explore mechanics. San Jose Museum. San Jose, CA.
16. **ThinkPad 750C.** Innovated and lead all work to modify pointing device to improve

traction; also refined BIOS GUI. IBM, October 1994.

17. **TrackPoint Keyboards.** Innovated and lead all work to contribute TrackPoint keyboards. IBM, October 1993.
18. **ThinkPad 700C.** Innovated and lead all work to contribute pointing device to make first profitable notebook product for IBM. IBM, October 1992.
19. **New Data Disc.** Created SAIL collaborative frame buffer to allow Computer Science Department to collaborate on 64-bitmapped terminals. Stanford University, Stanford, CA, June 1981-March 1990.
20. **Group Shows.** Photos represented in two prominent galleries. Newport, RI. June 1979-October 1979.
21. **Hampshire Laboratory for Cognitive Science.** Created teaching laboratory, designed backend network operating system productized and sold by my students. Hampshire College, Amherst, MA, September 1979-June 1980
22. **Lisa Memorial.** Created 1+ ton oak sculpture, displayed on Longview Community College campus. Longview, Washington, September 1975-1990

Symposia Organized

1. **Talks on Computing Systems TOCS** Carnegie Mellon Silicon Valley's weekly speaker series January 2009, Present
2. **Program on E-voting and E-Democracy.** Ted Selker, Pascal Marrimer, Washington DC, April 24, 2007.
3. **Voting Technologies Project, Vendor Workshop.** Ted Selker, Mike Alvarez, Ron Rivest, Pasadena, CA, March 13, 2007.
4. **Voter ID/ Registration.** Ted Selker, Ron Rivest, Michael Alvarez, Jonathan Katz, Cambridge, MA, October 5-6, 2006.
5. **Online Health Communities (Sessions SIGS), CHI '02 Extended Abstracts on Human Factors In Computing Systems ,** Montreal, Canada, pp. 444-447, April 2006.
6. **Intention Matters.** Workshop on Creativity, ITRI, Taipei, Taiwan. August 2005.
7. **Voting Technology.** Ted Selker, Michael Alvarez. Cambridge, MA, October 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, April 22, 2002.
9. Speaker and Panel Chair, **Standardizing Accuracy and User Interface. Voting Technology Project Principal Investigators.** Workshop on Elections Standards and Technology, Washington, DC, January 31, 2002.
10. **Symposia created at MIT Media Laboratory for Counter Intelligence Special Interest Group:**
 1. **Coming Home to Dinner.** April 30, 2001.
 2. **Nomadcity and Domesticity.** October 10 2001.
 3. **Finding Food.** October 16, 2002.
 4. **Marketplace and Commensality.** May 8, 2002.
 5. **Thought For Food.** April 14, 2003.
 6. **Oasis.** June 16, 2003.
 7. **Here There and Everything.** October 2003.
 8. **Design Intelligence.** October 2004.
 9. **Valuation Through Inspiration and Evaluation.** May 2, 2005.
 10. **The Future of Food Dinner and Discussion.** October 20, 2005.
11. **Media Lab Europe.** Context Aware Computing Workshop, Dublin, Ireland, June 6, 2001.
12. **Exploring the Framework of Context Awareness in Cooperative Systems.** Ted Selker and Win Burleson. ACM 2000 CSCW Conference, Philadelphia, PA. December 2000.

13. **Exploring the Framework of Context Awareness in Cooperative Systems.** Ted Selker and Win Burleson. ACM 2000 CSCW Conference, Philadelphia, PA. December 2000.
14. **New Paradigms for Using Computers.** Annual forum to bring together seminal contributors to the way computers are used, IBM Almaden Research Center, July 1993-1999 (continuing under new leadership).
15. **User Systems Ergonomics.** First forum on user interface at Stanford Computer Science department, weekly talk and discussion series, October 1980-April 1984.

Teaching Experience

Carnegie Mellon University

FT 09	96826A	Directed Research	Instructor	15
ST 10	96826A	Directed Research	Instructor	11

Massachusetts Institute of Technology

Term	Sub. No.	Title	Role	Enrollment
FT 98	MAS 966	Special Topics: Tangible Interface	Co-Taught	4
ST 99	MAS 968	Special Topics: \$10 Browser	Co-Taught	6
ST 99	MAS 966	Special Topics: Out of Context	Co-Taught	4
FT 00	MAS 965	Special Topics: Out of Context	Co-Taught	17
FT 00	MAS 962	Industrial Design Intelligence	Instructor	5
FT 01	MAS 966	Special Topics: Out of Context	Co-Taught	6
FT 01	MAS 963	Industrial Design Intelligence	Instructor	4
ST 02	MAS 944	Industrial Design Intelligence	Instructor	20
FT 02	MAS 742	Industrial Design Intelligence	Instructor	15
FT 03	MAS 741	Context Aware Computing	Instructor	5
FT 03	MAS 742	Industrial Design Intelligence	Instructor	12
FT 04	MAS 742	Industrial Design Intelligence	Instructor	12
FT 04	MAS 966	Voting Technology	Instructor	9
FT 05	MAS 741	Context Aware Computing	Instructor	8
FT 05	MAS 742	Industrial Design Intelligence	Instructor	12
FT 06	MAS 742	Industrial Design Intelligence	Instructor	8
FT 07	MAS 964	One Lap Top Per Child	Instructor	16

Stanford University

FT 84		AI Programming	Instructor	100
SP 93		Proactive and Reactive Agents in User Interface	Instructor	12
SP 94		Proactive and Reactive Agents in User Interface	Instructor	10
SP 95		Proactive and Reactive Agents in User Interface	Instructor	14
SP 96		Proactive and Reactive Agents in User Interface	Instructor	15
SP 97		Proactive and Reactive Agents in User Interface	Instructor	12

Hampshire College

FT 78	DIV 1, 2, 3	Hampshire Individual Project Courses	Instructor	5
ST 78	DIV 1, 2, 3	Hampshire Individual Project Courses	Instructor	3

University of Massachusetts at Amherst

ST 80	COINS 121	Pascal Programming	Teaching Assistant	90
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Brown University

FT 77	ENG 163	Digital Electronics	Teaching Assistant	30
ST 78	ENG 106	Computer Architectures	Teaching Assistant	40

Publications

1. Papers in Refereed Journals:

1. **The Cognitive Adaptive Computer Help Interface.** Ted Selker. *Expert Systems Newsletter ESN8803*, October 1988.
2. **COACH: A Teaching Agent That Learns.** Ted Selker. *Communications of the ACM*, Vol. 37 No. 7, pp. 92-99, July 1994. (similar to IBM RC 9844).
3. **The Uniform Memory Hierarchy Model of Computation.** Bowen Alpern, Larry Carter, Ephraim Feig, Ted Selker. *Algorithms*, Vol. 12 Nos. 2-3, pp. 72-109, August-September 1994.
4. **New Paradigms for Computing** (Editorial). Ted Selker. *Communications of the ACM*, Vol. 39, No. 8, pp. 28-30, August 1996.
5. **New Paradigms for Computing** (Guest Editor). Ted Selker. *Communications of the ACM*, Vol. 39, No. 8, pp. 60-69, August 1996.
6. **What Will Happen in the Next 50 Years?** Ted Selker. *Communications of the ACM*, Vol. 40, No.2, pp. 88-89, February 1997.
7. **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, February 1999.
8. **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, October 2000.
9. **Context-Aware Design and Interaction in Computer Systems.** Ted Selker, Winslow Burleson. *IBM Systems Journal*, Vol. 39, Nos. 3-4, pp. 880-891, October 2000.
10. **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.
11. **Affecting Humanity.** Ted Selker. *Communications of the ACM*, Vol. 44, No. 3, p. 45, March 2001.
12. **Sensing and Effecting Environment with Extremity-Computing Devices.** Vadim Gerasimov, Ted Selker, Walter Bender. *Motorola Offspring*, Vol. 1, No. 1, pp. 1-9, 2002.
13. **Creativity and Interface.** Winslow Burleson, Ted Selker, guest editors. *Communications of the ACM (Special Issue)*, Vol. 45, No. 10, pp. 88-90, October 2002.
14. **Attentive User Interfaces: Interacting with Groups of Computers.** Jeff Shell, Ted Selker, Raul Vertegaal. *Communications of the ACM*, Vol.46 No. 3, pp. 40-46, March 2003.
15. **The Living Center (TLC): A Web Page That Think With Its Users.** Ted Selker. *Journal of Digital Contents*. Special issue on Digital Learning-Teaching Environments and Contents, Vol. 2, No. 1, pp. 116-120, Formatex, Badajoz, Spain, 2004. (similar to paper in Refereed Conference Proceedings)
16. **Visual Attentive Interfaces.** Ted Selker. *BT Technology Journal*, Vol. 22, No. 4, pp. 146-150, October 2004.
17. **The SAVE System-Secure Architecture for Electronic Voting.** Ted Selker, Jon Goler. *BT Technology Journal*, Vol. 22, No. 4, pp. 89-19, October 2004.
18. **Fixing the Vote-What Electronic Ballots Can Do for Democracy.** Ted Selker. *Scientific American*, pp. 92-97, October 2004.
19. **A Day of Poll Watching, Reno and Sparks Nevada.** Ted Selker. *User Experience Magazine*, Vol. 4 No. 1, Spring 2005.
20. **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-August 2005.
21. **Voting Technology: Election Auditing Is an End-to-End Procedure.** Ted Selker. *Science*, Vol. 308, pp. 1873-1874, June 24, 2005.
22. **Fostering Motivation and Creativity for Computer Users, Special Creativity and Computation Support.** Ted Selker. *International Journal of Human-Computer Studies*, Vol. 63, No. 4-5, pp. 410-421, October 2005.
23. **iSphere: A Free-Hand 3D Modeling Interface.** Chia-Hsun J. Lee, Yuchang Hu, Ted Selker. *International Journal of Architectural Computing*, Vol. 4, No. 01, pp. 19-31, Jan.2006.

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

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1. **Image-Based Focusing.** Ted Selker. *SPIE Proceedings on Robotics Sensors*, pp. 360-418, August 1982.
2. **A Framework for Comparing Systems with Visual Interfaces.** Ted Selker, Cathy Wolf, Larry Koved. *Proceedings of INTERACT: IFIP International Conference on Human-Computer Interaction*, pp. 683-688, September 1987.
3. **The Cognitive Adaptive Computer Help Interface.** Ted Selker. *Expert Systems Newsletter ESN8803*, October 1988.
4. **Elements of Visual Language.** Ted Selker, Larry Koved. *Proceedings of IEEE Workshop on Visual Languages*, pp. 38-44, October 1988.
5. **Cognitive Adaptive Computer Help (COACH).** Ted Selker. *Fourth International Conference on AI and Education*, Amsterdam, The Netherlands, pp. 25-34, May 1989. (similar to IBM RC 12902)
6. **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, August 1990.
7. **Visualizing Computer Memory Architectures.** Bowen Alpern, Larry Carter, Ted Selker. *Proceedings of the 1st Conference on Visualization-90*, pp. 107-113, San Fransico CA, October 1990.
8. **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.
9. **Dual Stream Input for Pointing and Scrolling.** Ted Selker, Barton Smith, Shumin Zhai. *CHI '97 Extended Abstracts — Late-Breaking/Short Talk of Conference on Human factors in Computing Systems*, pp. 305-306, April 1996.
10. **Graphical Means of Directing Users' Attention in the Visual Interface.** Sabra-Ann Kelin, Ted Selker, Julie Wright, Shumin Zhai. *Proceedings of INTERACT: The Sixth IFIP Conference on Human Computer Interaction*, Sydney, Australia, pp. 59-66, July 1997.
11. **Improving Browsing Performance: A Study of Four Input Devices for Scrolling and Pointing Tasks.** Ted Selker, Barton Smith, Shumin Zhai. *Proceedings of INTERACT: The Sixth IFIP Conference on Human Computer Interaction*, Sydney, Australia, pp. 286-292, July 1997. (Similar to IBM RC 10058).
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13. **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*, H. Johnson, N. Lawrence, C. Roast (Eds.), pp. 209 –219, ACM Press, 1998.
14. **Landmarks to Aid Navigation in a Graphical User Interface.** Wendy Ark, D. Christopher Dryer, Ted Selker, Shumin Zhai. *Proceedings of Workshop on Personalized and Social Navigation in Information Space*, Stockholm, Sweden, March 1998.
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16. **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, January 2000.
17. **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, December 2000.
18. **Smart Boxes: A Design Study.** Ted Selker, Winslow Burleson. *OZCHI Conference Proceedings, Interface Reality in the New Millennium*, December 2000.
19. **Social Floor.** Ted Selker, Winslow Burleson. *OZCHI Conference. Proceedings, Interface Reality in the New Millennium*, December 2000.
20. **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.
21. **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, September 10-11, 2001.

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23. **E-Windshield: A Study of Using (Demonstration)**. Ted Selker, Winslow Burleson, Ernesto Arroyo. *CHI '02 Extended Abstract on Human Factors in Computing System*, Minneapolis, MI, pp. 508-509, April 2002.
24. **GOOSE: A Goal-Oriented Search Engine with Commonsense**. Hugo Liu, Henry Lieberman, Ted Selker. *Adaptive Hypermedia and Adaptive Web-Based Systems, 2nd International Conference AH 2002, Proceedings*, Malaga, Spain, pp. 253-263, May 2002.
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25. **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.
26. **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, January 2003.
27. **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, January 2003.
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28. **Self-Adaptive Multimodal-Interruption Interfaces**. Ernesto Arroyo, Ted Selker. *Proceedings of 8th International Conference on Intelligent User Interfaces*, Miami Beach, FL, pp. 6-11, January 2003.
29. **Visualizing the Affective Structure of a Text Document**. Hugo Liu, Ted Selker, Henry Lieberman, Selker. *CHI '03 Extended Abstracts on Human Factors in Computing Systems*, Ft. Lauderdale, FL, pp. 740-741, April 2003.
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31. **World Wide Web: Mr. Web: an Automated Interactive Webmaster**. Andrea Lockerd, Huy Pham, Taly Sharon, Ted Selker. *CHI '03 Extended Abstracts on Human Factors in Computing Systems*, Ft. Lauderdale, FL, pp. 812-813, April 2003.
32. **Drift Catcher: the Implicit Social Context of Email**. Andrea Lockerd, Ted Selker. *Proceedings of Human Computer Interaction INTERACT '03: IFIP TC13 International Conference on Human-Computer Interaction*, Zurich, Switzerland, pp. XX, September 2003.
33. **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, October 2004.
34. **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, October 2005.
35. **CarCoach: A Generalized Layered Architecture for Educational Car Systems**. Taly Sharon, Ted Selker, Lars Wagner, Ariel J. Frank. *IEEE International Conference on Software, Science, Technology & Engineering*, pp. 13-22, February 2005.
36. **Attention-Based Design of Augmented Reality Interfaces** (poster). Leonardo Bonanni, Chia-Hsun Lee, Ted Selker. *CHI '05 Extended Abstracts on Human Factors in Computing Systems*, Portland, OR, pp. 1228-1231, April 2005.
37. **Counter Intelligence: Augmented Reality Kitchen**. L. Bonanni, C.H. Lee, Ted Selker. *CHI '05 Proceedings on Human Factors in Computing Systems*, Portland, OR, pp. 2239-2245, April 2005.
38. **Dishmaker: Personal Fabrication Interface** (alt.chi). Leonardo Bonanni, Sam Sarcia, Sudodh Paudel, Ted Selker. *CHI '05 Extended Abstracts on Human Factors in Computing Systems*, Portland, OR, pp. 2231-2233, April 2005.
39. **Smart Sinks: Real World Opportunities for Context-Aware Interaction** (poster). Leonardo Bonanni, Ernesto Arroyo, Chia-Hsun Lee, Ted Selker. *CHI '05 Extended Abstraction Human Factors in Computing Systems*, Portland, OR, pp. 1232-1235, April 2005.
40. **Technology in the Home: Waterbot: Exploring Feedback and Persuasive Techniques at the Sink**. Ernesto Arroyo, Leonardo Bonanni, Ted Selker. *CHI '05 Proceedings on Human Factors in Computing Systems*, Portland, OR, pp. 631-639, April 2005.
41. **ISphere: a Proximity-Based 3D Input Interface**. C.H. Lee, Y. Hu, Ted Selker. *Proceedings of CAAD Futures 2005 Conference*, Vienna, Austria, pp. 281-290, June 2005.
42. **Abbrevicons: Efficient Feedback for Audio Interfaces**. Matthew Hockenberry, Sharon Cohen, Zachary Ozer, Tiffany Chen, Ted Selker. *Proceedings from Interact 2005*, Rome Italy, pp. 1079-1082, September 2005.

43. **Cooking with the Elements: Intuitive Immersive Interfaces for Augmented Reality Environment.** Leonardo Bonanni, Chia-Hsun Lee, Ted Selker. *Proceedings from Interact 2005*, Rome, Italy, pp. 1022-1025, September 2005.
44. **Smart Environments and Ubiquitous Computing: A Framework for Designing Intelligent Task-Oriented Augmented Reality User Interfaces.** Leonardo Bonanni, Chia-Hsun Lee, Ted Selker. *Proceedings of the 10th International Conference on Intelligent User Interfaces (IUI) 2005*, San Diego, CA, pp. 317-319, January 2005.
45. **PlaceMap: Building Community Through Active Context Mapping.** Matthew Hockenberry, Rob Gens, Ted Selker. *Proceedings of ACM SIGGRAPH 2005*, Los Angeles, CA, July, 2005.
46. **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.
47. **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, January 2006.
48. **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 Bow Shen, Ted Selker Ernesto Arroyo, Ted Selker, Willy Wei. *CHI '06 Extended Abstracts on Human Factors in Computing Systems*, Montreal, Canada, pp. 1007-1012, April 2006.
49. **CarCoach: a Polite and Effective Driving Coach** (alt.chi). Ernesto Arroyo, Shawn Sullivan, Ted Selker. *CHI '06 Extended abstracts on Human Factors in Computing Systems*, Montreal, Canada, pp. 357-362, April 2006.
50. **A Sense of Spatial Semantics.** Matthew Hockenberry, Ted Selker. *CHI '06 Extended Abstracts on Human Factors in Computing Systems*, Montreal, Canada, pp. 851-856, April 2006.
51. **Usability Tool for Analysis of Web Designs Using Mouse Tracks.** Ernesto Arroyo, Ted Selker, Willy Wei. *CHI '06 CHI '06 Extended Abstracts on Human Factors in Computing Systems*, Montreal, Canada, pp. 484-489, April 2006.
52. **Enhancing Interface Design Using Attentive Interaction Design Toolkit.** Chia-Hsun Jackie Lee, Jon Wetzel, Ted Selker. *Proceedings of Educational Program of ACM SIGGRAPH 2006*, Boston, MA, July 2006.
53. **Emotionally Reactive Television.** Chia-Hsun Jackie Lee, Ted Selker, Chaochi Chang, Hyemin Chung. *Proceedings of the 2007 International Conference on Intelligent User Interfaces*. Honolulu Hawaii, January 2007.
54. **What You Said about Where You Shook Your Head; A Hands-free Implementation of a Location-based Notification System,** CHI 2007, May 2, San Jose Ca, 2007..
55. **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.
56. **Meeting Essence II, Capturing the Important Moments of a Meeting** (poster), Shouou-Jong Yu, Ted Selker john.yu, *Proceedings of HotMobile2010*, Annapolis MD, February 2010.
57. **Who Said What When? Capturing the Important Moments of a Meeting,** Shouou-Jong Yu, Ted Selker. *Proceedings of CHI'10 Extended Abstracts on Human Factors in Computing System*, Atlanta GA, April 2010.
58. **Understanding Considerate Systems - UCS (pronounced: You See Us),** Ted Selker, *Proceedings The 2010 International Symposium on Collaborative Technologies and Systems*, Chicago Illinois, May 2010.
59. **TravelRole: a Carpooling/ Physical Social Network Creator ,** Ted Selker, Paula Helen Saphir, *Proceedings The 2010 International Symposium on Collaborative Technologies and Systems*, Chicago Illinois, May 2010.

Other Major Publications:

1. **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, September 1981.
2. **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, September 1981.
3. **Psychology and Neurophysiology.** Harlyn Baker, Ted Selker. **Chapter** in *Survey of Stereo Mapping Systems and Related and Supporting Techniques and Literature*, Stanford AI Report, pp. 196-219, 1982.
4. **A High Tech, High Security Employee Identification Badge.** David Smith, Ted Selker. *IBM RC 13135*, September 1987.
5. **Algebraic Types and Object Oriented Programming.** Eric Wagner, Ted Selker, Joe Rutledge. *6th Workshop on Specification of Abstract Data Types*, Berlin, Germany, August 29-September 2, 1988.
6. **Room with a View (RWAV): A Metaphor for Interactive Computing.** Larry Koved, Ted Selker. *IBM RC 10809*, January 1990.
7. **Visual Elements Workspace (VIEW) Scenario.** Ted Selker. *IBM RC 15513*, February 1990.

8. **Graphics as Visual Language.** Ted Selker, Art Appel. **Chapter** in *Handbook of Statistics*, Vol. 9, Elsevier Science Publishers BV, pp. 825-855, April 1991.
9. **Demonstrating Usability Improvements in Automatically Presented Adaptive Help.** Ted Selker, Kevin Goroway, *IBM RC 16910*, May 1991.
10. **Finger Force Precision for Computer Pointing.** Ted Selker, Joe Rutledge. *IBM RC 17342*, October 1991.
11. **A Framework for Proactive Interactive Adaptive Computer Help.** Ted Selker. *IBM RC 17597*, January 1992.
12. **Intelligent Tutor Systems: Limitations of Current Representations.** Ted Selker, F.N. Linton. *IBM RC 17584*, January 1992.
13. **TrackPoint II: The In-Keyboard Pointing Device.** Ted Selker, Joe Rutledge. IBM Personal Systems Technical Solutions, pp. 16-17, January 1993.
14. **A Long, Thin Flexible Transformer.** Ted Selker, Jason M. Jacobs. *IBM RC 83542*, October 1993.
15. **Making a Usable In-Keyboard Pointing Device: The TrackPoint II Story.** Ted Selker. *IBM RC 9700*, February 1994.
16. **Finding What I Am Looking For: An Information Retrieval Agent.** Robert C. Barret, Edwin J. Selker. *IBM RC 9816*, May 1994.
17. **NEGATIVE INERTIA: A Dynamic Pointing Function.** Robert C. Barret, Ted Selker. *IBM RC 9944*, March 1995.
18. **AIM: A New Approach for Meeting Information Needs.** Robert C Barret, Ted Selker. *IBM RC 9983*, October 1995.
19. **A Conversation with Ted Selker.** Kate Ehrlich. *Interactions*, Vol. 4, No.5, pp. 34-47, September-October 1997.
20. **Cognitive Adaptive Computer Help (COACH), A Case Study.** Ted Selker. **Chapter** in *Advances in Computers*, Volume 47, M Zelkowitz, Editor, Elsevier Press, pp. 69-137, 1998.
21. **Research Report: A Look at Human Interaction with Pervasive Computers.** Wendy Ark, Ted Selker. *IBM RC 10154*, August 1999.
22. **Style and Function of Graphic Tools.** Ted Selker. *Proceedings of 1999 Graphics Interface Conference*, Kingston Ontario Canada, pp. 123-131, June 2-4, 1999. (see Invited Lectures and Seminars below)
23. **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*, September 2000.
24. **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, <http://www.votingtechnologyproject.org/reports/2001report.htm>, July 2001.
25. **DriftCatcher: Enhancing Social Networks through Email.** Andrea Lockerd, Ted Selker. *International Sunbelt Social Networks Conference XXII: Understanding, Recognizing, and Enhancing Online Communication Networks*, February 2002.
26. **Canopy Climb: A Rope Interface (Physical Interfaces).** Win Burleson, Ted Selker. *Proceedings of The SIGGRAPH 2003 Conference on Sketches and Applications: In Conjunction with the 30th Annual Conference on Computer Graphics and Interactive Techniques*, San Diego, CA, p. 1, July 2003.
27. **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*, October 2003 (revised January 2004). <http://vote.caltech.edu/media/documents/wps/vtp_wp12.pdf>, January 2004.
28. **Certification and Voting Software: Position Statement.** Ted Selker. *Caltech/MIT Voting Technology Project Working Paper # 15*, <http://vote.caltech.edu/media/documents/wps/vtp_wp15.pdf>, April 2004.
29. **Security Vulnerabilities and Problems with Voter Verifiable Paper Trail.** Ted Selker, Jonathan Goler. *Caltech/MIT Voting Technology Project Working Paper #16*, <http://vote.caltech.edu/media/documents/wps/vtp_wp16.pdf>, April 2004.
30. **The Voter Verifiable Audio Audit Transcript Trail (VVAATT).** Ted Selker, *Caltech/MIT Voting Technology Project Working Paper #18*, <http://vote.caltech.edu/media/documents/wps/vtp_wp18.pdf>, September 2004.
31. **Old Voting Technologies: Problems and Improvements.** *Scientific American*, September 2004.
32. **Process Can Improve Electronic Voting: A Case Study of an Election.** Ted Selker. *Caltech/MIT Voting Technology Project Working Paper #19*, October 2004.
33. **Touch-Screen Voting Should Be a Help.** Ted Selker, *New York Newsday*, October 10, 2004.
34. **Orienting Graphical User Interfaces Reduces Errors: The Low Voting Interface.** Ted Selker, Matt Hockenberry, Jonathan Goler, Shawn Sullivan, *Caltech/MIT Voting Technology Project Working Paper #23*, <http://vote.caltech.edu/media/documents/wps/vtp_wp23.pdf>, February 2005.

35. **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*, <http://vote.caltech.edu/media/documents/wps/vtp_wp24.pdf>, February 2005.
36. **Augmented Reality Kitchen** (alt.chi). Leonardo Bonanni, Jackie Lee, Ted Selker. *CHI '05 Extended Abstracts on Human Factors in Computing Systems*, Portland, OR, April 2005.
37. **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.
38. **Letters:** Selker Replies *Scientific American*, p. 7, February 2005.
39. **Voter Removal from Registration List Based on Name Matching is Unreliable.** Ted Selker, Alexandre Buer, *Caltech/MIT Voting Technology Project Working Paper #32*, <http://vote.caltech.edu/media/documents/wps/vtp_wp12.pdf>, January 2006.
40. **Lover's Cups: Drinking Interfaces as New Communication Channels** (alt.chi). Hyemin Chung, Chia-Hsun Jackie Lee, Ted Selker. *CHI '06 Extended Abstracts on Human Factors in Computing Systems*, Montreal, Canada, pp. 375-380, April 2006.
41. **A Mindset for User-Centered Spatial Applications.** Ted Selker, Matthew Hockenberry, Jeff Hoff, Rob Gens. *Cognitive Processing*, Vol. 7, Supplement 5, pp. 49-51, September 2006.
42. **User Experience, Technology, and Fraud Prevention in Voting Systems**, Ted Selker. Based on VTP Election Fraud Workshop, University of Utah September 2006.
43. **The Technology of Access: Allowing People of Age to Vote for Themselves**, Ted Selker *Journal: McGeorge Law Review* No.: 4 Vol.: 38
44. **Fostering Motivation and Creativity for Computer Users**, Ted Selker. Proceedings of the NSF CreativeIT workshop at Arizona State University, <http://swiki.cs.colorado.edu:3232/CreativeIT/205>, January 2008.
45. **Meeting Essence II: Capturing the Important Moments of a Meeting.** Shouu-Jong Yu, and Ted Selker. *Proceedings of Eleventh Intl Workshop on Mobile Computing Systems and Applications HotMobile 2010*, Annapolis Md. February 2010.

Invited Lectures and Seminars:

1. **Kalide: A Demonstration That AI Can Reduce Communication Between a Person and Computer.** VA Rehabilitation Research and Development Laboratory, Palo Alto, CA, June 1981.
2. **Creating the Collaboration: New Data Disk in the Stanford AI Laboratory.** Xerox PARC, Palo Alto, CA, June 1984.
3. **Dreamwriter: A New Approach to Computing.** IBM PC Future Symposium, Boca Raton, FL, May 1987.
4. **Agent and Advisor Case Studies of How to Give Users Control.** MIT Media Lab Consortia Meeting, October 1992.
5. **Driving New Paradigms for Using Computers with Industrial Design.** Sony Research Laboratory, Tokyo, Japan, February 1992.
6. **Science Wand: A Unified Tool for Measuring Physical Phenomenon.** IBM, Boulder, CO, February 1993.
7. **User Interface Technology for People with Disabilities.** CSUN Conference, Los Angeles, CA, March 1995.
8. **The Making of a Pointing Device.** Comdex, Las Vegas, NV, October 1995.
9. **Keynote: Graphical Language in Future Multimedia.** CAT Lab Kickoff, New York University, NY, NY, August 1995.
10. **Keynote: The Making of a Pointing Device.** Mobile Insights Conference, Scottsdale, AZ, January 1996.
11. **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, October, 1996.
12. **Prototypes for the Next 50 Years.** ACM Conference on the Next 50 Years of Computing, San Jose, CA, March 1997.
13. **Test as You Build; an Approach for Creating New Interface.** Ease of Use Conference, Stanford CA, April 1997.
14. **Room With a View; A Room Sized Virtual Office.** Cyberhome 2000, Computer Life, San Francisco, CA, May 1997.
15. **Wearable Computers and Use of Technology in Mountaineering.** MIT Media Lab Consortia Meeting, October 1997.
16. **New Form Factors for Consumers.** IBM Personal Systems Institute Symposium, Raleigh, NC, March 1997.
17. **IUI and Agents for the New Millennium** (panel). Henry Lieberman, Jeffrey Bradshaw, Yolanda Gil, Ted Selker. *Proceedings of the 4th International Conference on Intelligent User Interfaces (IUI)*, pp. 93-94, Los Angeles, CA, January 1998.

18. **New Form Factors for Consumers.** IBM Personal Systems Institute Symposium, Yorktown, NY, March 1998.
19. **Natural User Interface.** Corporate Technical Committee IBM, Armonk, NY, March 1998.
20. Keynote: **Feeling of the Future.** BMG CIO Kickoff, Dominican Republic, June 1998.
21. **Living Room Computers.** David Coursey's Digital Living Conference, Dana Point, CA, June 1998.
22. **The Nature of the Future.** The Next 20 Years Series , Ziff Davis, NY, NY, June 1998.
23. Panel: **The Future of Publishing.** Seabold Publishing Conference, San Francisco, CA, September 3, 1998.
24. Keynote: **What Will Drive Future Performance Demands.** Microprocessor Forum, San Jose CA, September 14, 1998.
25. Keynote: **Nature of the Future.** Japan Fair, Makuhari, Japan, September 1998.
26. Keynote: International Invention Symposium CIIExpo'98 Hong Kong, November 1998
27. Plenary: **USER Systems Ergonomics Research.** IBM Germany Development Laboratory Kickoff, February 1999.
28. **USER System Ergonomics Research.** Brown University Industrial Affiliates Meeting, Providence, RI, April 1999.
29. **Future Feel of Tools and Brands.** Munchner Kries Congress on User-Friendly Communications Systems, European Patent Office, Munich, Germany. June 1999.
30. Keynote: **Style and Function of Graphic Tools.** Ted Selker. Graphics Interface, Kingston Ontario Canada, June 1999.
31. Keynote: **The Future of Tools.** CIO's E-Business Leadership Forum GE, Cincinnati, OH, September 15, 1999.
32. **Media-Bed.** Ted Selker, Win Burleson. Media Lab Europe Grand Opening, Dublin, Ireland, July 2000.
33. Keynote: **Performance Tuning Humans.** High Performance Computing Architecture Symposium, Monterey, Mexico, January 2001.
34. Keynote: American Association for Publishers/Professional Scholarly Publishing Conference, Washington, DC, February 2001.
35. **Beyond Keyboards and Mice: Research from the MIT Context-Aware Computing Group.** Oregon School of Science and Engineering. Portland, OR, April 6, 2001.
36. Democratic National Committee Voting Rights Institute, Eastern Regional Field Hearing, Newark, NJ, May 22, 2001.
37. Keynote: **The Technological Future and How it Will Change Our Lives.** IEEE Workshop, Vail, CO, June 24, 2001.
38. Voting Access for the Disabled Conference, National Commission on Federal Election Reform Joint Task Force Meeting, Washington, DC, June 8, 2001.
39. **Caltech-MIT Voting Technology Project: Findings and Recommendations.** Washington, DC, July 12, 2001.
40. **Voting Technology-What's The Future?** National Association of County Recorders, Election Officials and Clerks Annual Conference, Philadelphia, PA, July 13-17, 2001.
41. Keynote: **Intentional and Implicit Communication in Contextually Aware Computing,** Industrial Design Society of America Annual Conference: Designing Your Life, Boston, MA, August 16, 2001.
42. **User Systems Ergonomics Research.** IBM PC Club, San Jose, CA, September 10, 2001.
43. Moderator: Usability Panel. Workshop on Election Standards Technology (WEST), Washington, DC, January 31, 2002.
44. **Accuracy and User Interface.** Workshop on Election Standards Technology (WEST), Washington, DC, January 31, 2002.
45. Closing Plenary: **Humanizing Design: Context Aware Computing.** Usability Professionals Association Conference: Orlando, FL, July 8-12, 2002.
46. **The Gateway to Next Generation Commerce and City Life over the Internet.** Workshop on Information Cities and Collaborative Portals, IBM T.J. Watson's Research Center. Hawthorne, NY, October 11, 2002.
47. **Insuring Your Vote Will Count.** National Conference on Election Reform, Collins Center for Public Policy, Ft. Lauderdale, FL, November 22, 2002.
48. Keynote: **Technology and Entrepreneurship: Introduction of Ideas Into Products.** Sloan Entrepreneur Forum, MIT, January 24, 2003.
49. **Risks in Election Administration and User Experience.** Election Reform Summit, The Performance Institute, Arlington, VA, April 30, 2003.
50. **Contactless-Technology for Consumers.** CardTech/SecurTech (CTST), Orlando, FL, May 12, 2003.
51. **Usability and Voter Verification.** USACM Workshop on Voter-Verifiable Election Systems, Denver, CO, July 29, 2003.
52. **Should Touch-screen Voting Machines Require a Paper Trail?** Claim Democracy Conference, Democracy USA, Washington, DC, November 21-23, 2003.

53. Panel: **Enhancing Voting Rights through New Voting Equipment**. Claim Democracy Conference, Democracy USA, Washington, DC, November 21-23, 2003.
54. **Usability and Accessibility for Voting**. Building Trust and Confidence in Voting Systems Conference, NIST, Gaithersburg, MD, December 10-11, 2003.
55. Presenter. Consumer Electronics Show, Las Vegas, NV, January 7- 8, 2004.
56. **Context Aware Computing**. Rice Computer & Information Technology Institute Distinguished Lecturer, Houston, TX, February 5, 2004.
57. Panel: **Electronic Voting Technology**. American Association for the Advancement of Science National Meeting, Seattle WA, February, 2004.
58. **Automated Voting and Election Observation**, The Carter Center, Atlanta, GA, March 17-18, 2004
59. **Voting Technology Project**. Carnegie Board of Directors Presentation, New York, NY, April 8, 2004.
60. **Certification of Voting Software; Position Statement**. CSTB National Academy of Sciences Workshop on Certification, Washington, DC, April 19-20, 2004.
61. Symposium on Privacy and Security, Harvard University, Cambridge, MA, April 22, 2004.
62. **Creating Cultures of Innovation**, The Business of Marketing Strategy: Ensuring Profitable Growth Through Strategic Leadership, Brand Building, Customer Experience Management & Innovation Conference, Boston, MA, April 26 -27, 2004.
63. **Testimony to EAC on Voting Technology**. <<http://www.eac.gov/docs/Selker%20Voting%20Position.doc>>, Washington, DC, May 5, 2004.
64. **Car Coach: an Application to Remind a Driver to Drive Well**. International Workshop on Progress and Future Directions of Adaptive Driver Assistance Research, Washington, DC, <<http://www.volpe.dot.gov/opsad/saveit/docs/may04/selker.pdf>>, May 13-14, 2004.
65. World Congress on Information Technology, Athens, Greece, May 20-21, 2004.
66. **The Design Process Workshop**. Museum Institute for Teaching Science, Children's Museum, Boston MA, July 23, 2004.
67. **E-Voting Technologies Workshop**. American Association for the Advancement of Science, Washington, DC, September 17-18, 2004.
68. **Local Processes Can be Improved for 11/02/2004**. Voting Technology Conference. Cambridge MA, October 1, 2004.
69. **Ballot Design Opportunities**. Voting Technology Conference. Cambridge MA, October 2, 2004.
70. Keynote. Second European Symposium on Ambient Intelligence, Eindhoven, Netherlands, November 8-10, 2004.
71. Keynote, Technology Review magazine launch, NY, NY December 7, 2004.
72. Voting in 2004: A Report to the Nation on America's Election Process; sponsored by Common Cause, The Leadership Conference on Civil Rights and the Century Foundation, Washington, DC, December 7, 2004.
73. Keynote. Luxury Kitchen and Bath Convention, Los Angeles, CA, December 9, 2004.
74. Boston Pugwash event, Kennedy School of Government, Cambridge MA, February 24, 2005
75. **Understanding Design Workshop**. Family Adventures in Science and Technology, MIT Museum, March 27, 2005.
76. Testimony. Hearing for State of Connecticut Secretary of State Susan Bysiewicz, Hartford, CT, June 15, 2005.
77. Testimony. Voting Verification: U.S. Senate Rules Committee Hearing, <<http://rules.senate.gov/hearings/2005/Selker062105.pdf#search=%22rules%20committee%20selker%20senate%22>>, Washington, DC, June 21, 2005. (also Caltech/MIT Voting Technology Project *Working Paper* #31, Jun 2005)
78. Testimony. EAC hearing and testimony on the Voluntary Voting Systems Guidelines, <<http://www.eac.gov/docs/votingguidlinestestimony72805.pdf#search=%22eac%20testimony%20selker%22>>, Pasadena, CA, July 28, 2005.
79. **Research Management**. ITRI, Taipei, Taiwan, August 2005.
80. **Cultures of Innovation**. Cheng Kung University, Kaoh Sing, Taiwan, August 2005
81. **Accessible Voting**. American Disabilities Act Working Group Conference 2005, Orlando, FL, August 30, 2005.
82. Keynote. Institute of the Future Context-Aware Computing Conference, Redwood City CA, October 24, 2005.
83. Keynote. World Usability Day; Boston, MA, November 2, 2005.
84. Keynote. Nuevas Tecnologías para La Inteligencia Ambiental Simposium sobre Inteligencia Ambiental, Bilbao, Spain, November 7, 2005

85. **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, December 5, 2005.
86. Opening Master Lecture. International Workshop on Asian Reality 2005, Taichung, Taiwan, December 17, 2005.
87. **Industrial Design Intelligence and Brainstorming**, 4 day Workshop, Taichung, Taiwan, December 17- 21, 2005.
88. **Closing Session: New Paradigms in Social Computing**, 14th Annual NPUC 2006, IBM Almaden, CA, July 24, 2006.
89. **Facilitating Voting as People Age Implications of Cognitive Impairment: Technology of Access Allowing People of Age to Vote for Themselves**. 3 Day Conference, Sacramento, CA, alifornia March 21-24, 2007.
90. Testimony to the House Administration Subcommittee on Elections, Hearing on Accessibility and Usability, March 15, 2007.
91. Swiss Symposium on evoting and eDemocracy- Ted Selker Co-Chair, Washington DC, April 23, 2007
92. **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. April 26, 2007.
93. **Ballot Integrity and Prevention of Electoral Corruption**. Ash Institute at Harvard University, April 27, 2007.
94. **Services and Application Concepts**. ITRI Advanced R&D Advisory Committee (ARAC), Taipei Taiwan May 27, 28, 20 2007.
95. **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.
96. **Building a Safe, Secured and Sound (3s) Living Environment**. 2007 Symposium Digital Life Technologies: Workshop at NCKU (National University of Taiwan) June 2, 2007.
97. **Individual Design**. No Barriers Conference Festival Symposium, Squaw Valley CA, June 29 2007.
98. **Context Aware Mobile Interfaces**. Dagstuhl Seminar 07371 'Mobile Interfaces Meet Cognitive Technologies, Dagstul, Germany, September 9 – 14, 2007
99. **Context Aware Computing**. People computers and Design, Stanford University Stanford CA, November 30, 2007. <http://acoelhosantos.blogspot.com/>
100. **Faith Popcorn conference**. Future of local marketing , August, 2007.
101. **Creating Cultures of Innovation**. American Society of Interior Designers, Interors 08 New Orleans LA, March 14, 2007.
102. **Sensors and Virtual sensors for Healthful lifestyles**. Opening Keynote, PHealth2008 Workshop, Valencia Spain, <http://www.phealth2008.com>, <http://www.youtube.com/watch?v=lyrFY2nZmhw>, May 21 2008.
103. **Online Maps; a walk in space**. Google tech talk. <http://www.youtube.com/watch?v=3a6bcnHr3tA&eurl=http://kr.truveo.com/Online-Maps-A-Walk-in-Space/> id/4236985403 Mountainview CA, June 13, 2008.
104. .Guest speaker, Counter Intelligence: technology and Food.. Mars Global Food Workshop, Antwerp Belgium, July 8 2008.,
105. **Context Aware Computing** Award Acceptance talk, Telluride Tech Fest, Telluride CO August 1, 2008.
106. [Incentives and Improvements in Lifestyle with Ridesharing](#): RealTime Rides Workshop: A smart roadmap to energy and infrastructure efficiency MIT civil engineering workshop, April 2009
107. **Roundtable on Accessible Voting Technologies**, Election Assistance Commision, Washington DC, April 2009.
108. **Industrial Design Intelligence: Evaluation Supporting Aesthetic and Functional Design**, BayCHI, July 2009
- 109 . **Creating a Considerate World**, Special ECE Seminar, CMU, October 2009.
110. **Excubate, a new model for Technology Business development**. CMU HCI Seminar Series, October 2009.
110. **Creating a Considerate World**, Context, SRI AI Seminar, March 2010
111. **Context Aware Computing**, FXPAL Research Seminar, April 2010
112. **Considerate Systems**, People Computers and Design, Stanford University, May 2010
113. **Creating Considerate Systems**, Keynote, Collaboration Technologies and Systems, Chicago Ill., May 2010.

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Expert Testimony

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4. In the Matter of Certain Video Game Machines and Related Three-Dimensional Pointing Devices, ITC Inv. No. 337-TA-658. November 2008.
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Record of Research Funding for Ted Selker

Grant	Date Awarded		Total Amount (\$USD)
Carnegie Fund	07/01/03		573,200
Knight Fund	10/01/03		1,393,000
Carnegie Fund (Renewal)	07/01/05		300,000
Knight Fund (Renewal)	02/01/06		750,000
Unilever	01/01/99	12/31/00	75,000
Masco Corporation	10/01/99	04/11/01	75,000
Best Buy Co.	01/01/00	12/31/01	75,000
Kraft Foods	01/01/99	12/31/01	50,000
McDonald's Corporation	01/01/00	12/31/02	75,000
Schott Glass	06/01/00	05/31/03	75,000
Royal Ahold	01/01/00	06/30/04	75,000
CleanUp Corporation	04/01/03	03/31/06	75,000
Campbell Soup	08/01/05	07/31/08	50,000
NSF FODAVA CCF0937044	10/01/09	09/30/11	497,401
Total			3,088,601

Theses Supervised by Ted Selker

Summary

	Total	Completed	In Progress
S.B. Thesis	15	12	0
S.M.			
Supervisor	14	11	0
As Reader	9	9	0
Ph.D.			
Supervisor	2	0	0
As Reader	6	6	1

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