

PAMELA L. JENNINGS, Ph.D., M.F.A.

**Assistant Professor of Digital Media and Human Computer Interaction
Carnegie Mellon University**

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EDUCATION

Doctor of Philosophy, Computer Science and Creative Digital Media, 2006

Center for Advanced Inquiry in Integrative Arts

School of Computer Science, University of Plymouth, United Kingdom

Dissertation: Creative Interactive Technologies and the Public Sphere: toward a theory of critical creative technology

External Examiners:

- Dr. Peter Wright Professor, Human-Centered Design, Cultural Communication and Computing Research Institute Sheffield Hallam University, United Kingdom
- Dr. Peter Jagodzinski, Reader, Human-Centered Systems Design, School of Computer Science, University of Plymouth, United Kingdom

Master of Fine Arts, Computer Arts, 1996

School of Visual Arts, New York, New York.

Thesis Topic Area: physical computing, electronics and mechanical sculpture

Master of Art, Studio Art, 1990

New York University and the International Center of Photography Program

New York, New York

Thesis Topic Area: Video production, electronic music composition and photography

Bachelor of Arts, Psychology, 1986

Oberlin College, Oberlin, Ohio.

Additional studies in art history, performance and vocal studies at the Oberlin Conservatory of Music

EMPLOYMENT, APPOINTMENTS AND COMMUNITY ENGAGEMENT

Academic & Research

Carnegie Mellon University, Pittsburgh, Pennsylvania, 2001 - 2007.

Assistant Professor of Art and Human Computer Interaction

School of Art, College of Fine Arts and the Human Computer Interaction Institute, School of Computer Science.

Curriculum: Multimedia programming, physical computing (electronics), interaction design, history and critical theory of digital media and human centered computing.

SRI International, Menlo Park, California, 1998–2001.

Interaction Design Researcher, Center for Technology in Learning.

Interaction Design Researcher, Speech Technology and Recognition Lab.

Research projects included: software applications for middle school math and high school chemistry, on-line assessment tools for large scale international education technology assessments; assessment of best practices in community-based technology centers; design consultancy for LEGO Mindstorms; and client application development for the SRI speech recognition toolkit.

IBM Almaden Research Lab, San Jose, California, 1997–1998.

Interaction Design Researcher, User System Ergonomics Research Lab.

Research projects included: User interface design for software help agent; client application design for an embedded help agent for physical fitness equipment using the IBM Personal Area Network technology; web site design.

School of Visual Arts, N.Y., New York, 1996.

Adjunct Faculty, Multimedia Programming, Undergraduate Computer Art program.

Information Technology

IBM Advanced Internet Technology/Software Solutions, 1996–1997.

Lead Producer and project manager for alphaWorks.ibm.com initiative and web property, San Jose, California,

Responsibilities: supervised project development team including an external design consultancy, web developers and content providers.

National Broadcasting Company (NBC), New York, New York, 1996.

Web Producer and Graphic Designer: NBC Interactive.

Projects: 1996 Official Olympics Web Site; Homicide: Life on the Streets Web Site

Time Warner Interactive, New York, New York, 1994–1995.

Computer Programmer, Time Warner Interactive Group.

Projects: Client application programming for early interactive TV set top box applications for Chrysler, U.S. Post Office and children's toy distributor.

Non-Profit Administration and Consultancy

Rockefeller Foundation, New York, New York, 2000.

Commissioned author of the "New Media Arts | New Funding Models about the state of funding and resources for research and practice in the New Media Arts.

In The Life, New York, New York, 1993 – 1994.

Senior Producer of pilot season programs of this Public Broadcasting Service community-based national news format television program.

Creative Time, Inc., N.Y., New York, 1990–1993.

Development Officer responsible for writing grants to foundation, city, state and national funding agencies in support of the organizations public art program in New York City.

Non-Profit Board of Directors and Community Engagement

Board of Directors: GLENDA, Pittsburgh, Pennsylvania, 2004 - 2005.

Community Volunteer Organization promoting tolerance and community renewal,

Volunteer Mentor: R.I.S.E. (Realizing Intellect through Self-Empowerment)

Atherton, California, 2000.

Tutoring and mentoring program for African American high school students at Atherton Menlo High School.

Board of Directors: New York Media Alliance, New York, New York, 1992 – 1996.

Advocacy organization for independent film, video and new media producers in New York State.

Volunteer Mentor: Stay in School Partnership Program New York University

N.Y., N.Y., 1987-1990. Tutoring and mentoring program for "at-risk" youth in New York City Public High Schools.

PROFESSIONAL LEADERSHIP ACTIVITIES and POLICY ADVISORY

2008 **Women as Global Leaders Conference**, Panel "Out of the Tower, Into the World: Women of Color Inside/Outside the Academy", Zayed University, Dubai, United Arab Emirates.

2008 **NSF Workshop "Success factors in fostering creativity in IT research and education,"** hosted by the Arts, Media and Engineering program at Arizona State University.

2007 **Curator, "Speculative Data and the Creative Imaginary: shared visions between Art and Technology"**. Exhibition at the National Academy of Sciences Rotunda Gallery as part of the ACM Creativity and Cognition Conference, Washington D.C. June 4 – August 24, 2007,
http://www7.nationalacademies.org/arts/Speculative_Data_and_the_Creative_Imaginary.html .

2006 **NSF Workshop "Creativity in Information Technology for Science, Engineering and Design"**, Mary Lou Maher Chair,
Presentation: "Resources and Models for Creative Digital Media Research", Washington D.C..

2006 **Co-chair, About Face: Interface – Creative Engagement in New Media Arts and Human Computer Interaction**, ACM CHI 2006 Workshop Montreal, Canada,
http://studio416.cfa.cmu/CHI06workshop_AboutFace.

- 2004 **Advisory Board National Science Foundation Grant (#0307927)** “Attention, Emotion and Judgment: how to do minds figure out what to do?” Exploratorium: Museum of Science, Art and Human Perception, San Francisco, California, <http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=0307927> .
- 2007
- 2005 **NSF Workshop on Creativity Support Tools**, Ben Shneiderman and Gerhard Fischer chairs, Washington D.C., <http://www.cs.umd.edu/hcil/CST> .
- 2004 **Helsinki Agenda, Experts Meeting on International New Media Arts Policy** Co-author of the “Helsinki Agenda: Strategy document on international development of new media culture policy,” Helsinki, Finland, http://www.ifacca.org/files/040916Helsinki_agenda_final.pdf .
- 2004 **Co-chair, Interactive Art Program in the Association for Computing Machinery Multimedia Conference**, Columbia University, New York, New York.
- 2001 **Workshop Leader, RIXC Center for New Media Arts, Network Interface for Cultural Exchange**, Riga, Latvia.

GRANTS and AWARDS

- 2007 Leonardo Electronic Almanac top six dissertations listed in the LAB, Leonardo Abstracts Services Database.
- 2007 National Science Foundation Creative IIT program, SGER: Designing Critical Creative Technologies to Support Collaboration on in Public Spaces (Award # 0715304)
- 2007 National Science Foundation Creative IT program, SGER: Exhibition: Speculative Data and thee Creative Imaginary at the National Academy of Sciences (Award # 0717081)
- 2006 Carnegie Mellon University Wimmer Teaching Fellowship.
- 2004 Artists Fellowship, Pennsylvania Council on the Arts.
- 2004 Berkman Faculty Development Fund, Carnegie Mellon University.
- 2002 Berkman Faculty Development Fund, Carnegie Mellon University.
- 2001 Rockefeller Foundation Creativity and Culture Division.
- 2000 Rockefeller Foundation Creativity and Culture Division.
- 1996 New York State Council on the Arts, Media Arts Grants.
- 1994 New York State Council on the Arts, Media Arts Grants.
- 1992 New York State Council on the Arts, Media Arts Grants.

PEER REVIEW PANELS and GUEST CRITIC

- 2007 (x2) Review panel, NSF Computer Information Science and Engineering Human Centered Computing. Programming Committee, ACM Tangible and Embedded Interaction conference.
- 2007
- 2006 Guest Critic, Rhode Island School of Design graduate Digital Media program.
- 2005 Guest Critic, Rhode Island School of Design graduate Digital Media program.
- 2006 Short Papers Review Committee ACM Computer Human Interface Conference (CHI) conference.
- 2004 Course Proposal Review, ACM SIGGRAPH conference.
- 2000 Award Review Panel. Rockefeller Foundation, Film/Video/Multimedia Fellowship.
- 1999 Paper Review, Computer Supported Collaborative Learning Conference (CSCL), Stanford University.
- 1999 Paper Review, ACM Computer Human Interface Conference (CHI) conference.
- 1998 Paper Review, ACM Computer Human Interface Conference (CHI) conference.
- 1999 Nominating Committee, Rockefeller Foundation Media Fellowship.
- 1998 Nominating Committee, Rockefeller Foundation Media Fellowship.

EXHIBITION AND FILM FESTIVAL JURY PANELS

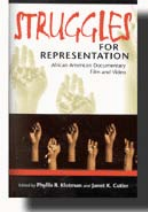
- 2004 Co-chair and jury panel, ACM Multimedia *Digital Boundaries*, Columbia University, New York, New York.
- 1996 Jury Panel, New York SIGGRAAPH Digital Salon Exhibition, New York, New York.
- 1995 Jury Panel, International New Festival for Film and Video at the Joseph Papp Theater, N.Y., New York.
- 1994 Jury Panel, International New Festival for Film and Video at the Joseph Papp Theater, N.Y., New York.
- 1993 Jury Panel, International New Festival for Film and Video at the Joseph Papp Theater, N.Y., New York.
- 1993 Panel Member, College Arts Association Women’s Caucus.
- 1992 Jury Panel, Experimental Television Center Finishing Funds, Owego, New York.

FELLOWSHIPS and RESIDENCIES

- 2001 Research Fellow at the STUDIO for Creative Inquiry, Carnegie Mellon University, Pittsburgh, Pennsylvania to
- 2004

- 1993 Fellow, MacDowell Artist Colony, Peterborough, New Hampshire,
 1992 Dance and the Camera Residency, Banff Centre for the Arts, Banff, Canada.
 1992 Experimental Television Center, Owego, New York.
 1990 Banff Centre for the Arts Media Arts Residency, Visual Arts and Media Program, Banff, Canada.
 1990 Women Make Movies, Artist-In-Residence Program, New York, New York.

BOOK COVERS AND LIMITED EDITION CD-ROMS



Jennings (1999). Book Cover Art, “Struggles for Representation: African American Documentary Film and Video,” Edited by Phyllis R. Klotman and Janet K. Cutler, *interview in Black High Tech Documents*, Indiana University Press.

Inter-Society for Electronic Arts (ISEA98) *Evolution 2.0 Generative Arts* CD ROM, Liverpool, United Kingdom.

PEER REVIEWED JOURNAL ARTICLES and COMMISSIONED REPORTS

Jennings, P. (2007).” Speculative Data and the Creative Imaginary: Shared Visions between Art and Technology” *in Issues in Science and Technology*, Vol. 23(3), National Academy of Sciences Press & Univ. of Texas at Dallas Press.

Shneiderman, B. Fischer, G., Czerwinski, M. Resnick, M. and Myers, B. (with contributions from Jennings, P. et. al) (2006) “Creativity Support Tools: Report from a National Science Foundation Sponsored Workshop,” *in International Journal of Human-Computer Interaction*, 20(2), 61-777, Lawrence Erlbaum Associates, Inc.

Jennings, P. and Giaccardi, E.(2005) “Creativity Support Tools for and by the New Media Arts Community”, *white paper for the NSF Creativity Support Tools Workshop* chaired by Ben Shneiderman and Gerhard Fischer, National Science Foundation, Washington D.C..

Alejandro J., Jennings, P., Ortega H., Tribe, M. Yang, C. (2004). “Digital Boundaries: ACM Multimedia Interactive Art Program Exhibition”, *in Multimedia IEEE*, Vol. 11(44), October – December 2004, pp. 8 - 9.

Jennings, P. (2001). "Poetics of Engagement," *in Convergence: The Journal of Research into New Media Technologies: Intelligent Environments*, Vol.7(2), pp. 102 – 111.

Jennings, P. (2000). "New Media Arts | New Funding Models" *commissioned report for the Rockefeller Foundation Creativity and Culture Program*.

Penuel, Michalchik, Daniels, Jennings, Stites, Yarnall, Kim (2001). "Community Technology Centers Case Study Report: Learning with Technology in Six Communities" *prepared for the United States Department of Education*.

Penuel, Kim, Barron, Coleman, Gray, Jennings, Michalchik, Shear (2000). “Promising Practices and Organizational Challenges in Community Technology Centers”, *white paper*, SRI International, Menlo Park, California.

Jennings, P. (1996). “Narrative Structures for New Media”, *Leonardo Journal for Art and Science*, Vol. 29(5), pp. 345-350.

Jennings, P. (1995). “Interpretation on the Electronic Landscape: a conversation with Toni Dove”, *in Felix: a Journal of Media Arts and Communication*, Vol. 2(1), pp.266-278.

Jennings, P. (1995). “Frontier Wanderings: Writings and Computer Generated Images,” *in Felix: a Journal of Media Arts and Communication*, Vol. 2(1), pp. 291-293.

Jennings, P. (1995). Image reproduction from “Solitaire: dream journal” CD ROM, *in Leonardo Journal for Art and Science*, Vol. 28(5), p. 457.

PEER REVIEWED CONFERENCE and WORKSHOP PAPERS

Jennings, P. (2008). Constructed Narratives demo in ACM CHI Interactivity program, Florence, Italy.

Jennings, P. (2007). "Speculative Data and the Creative Imaginary: shared innovative visions between art and technology" *in the proceedings of the 2007 ACM Creativity and Cognition Conference*, Washington D.C..

Jennings, P. (2007). "Engagement in the Public Sphere using Tangible Social Interfaces" *position paper for Shared Encounters Workshop at the 2007 ACM CHI conference*, San Jose, California.

Jennings, P. (2007). "Interdisciplinary Methods for the Design of Tangible Social Interfaces" *position paper for Tangible User Interface in Context and Theory workshop at the 2007 ACM CHI conference*, San Jose, California.

Jennings, P. (2007). "Interactive Technologies for the Public Sphere: towards a theory of critical creative technology" *paper in the Planetary Collegium "Review of the Future" symposium*, Montreal, Canada.

Jennings, P. (2005). "Tangible Social Interfaces: Critical Theory, Boundary Objects and Interdisciplinary Design Methods" *in the proceedings of the 2005 ACM Creativity and Cognition Conference*, University of London Goldsmith, pp. 176 - 186.

Jennings, P. (2005). "Constructed Narratives, a Tangible Social Interface" *in the proceedings of the 2005 ACM Creativity and Cognition Conference*, University of London Goldsmith, 2005, pp. 263 - 266.

Jennings, P. (2005). "Distributed Minds | Negotiated Spaces: Framework for Designing Tangible Social Interfaces for Mediating Public Dialogue" *full paper presentation at Human Computer Interaction Design and Emotion Consortium*, Terry Winograd & Donald Norman (chairs), Winterpark, Colorado.

Jennings, P. (2004). "The Constructed Narrative Project in the Narratives, Subjectivity and Interaction panel" *at the ISEA2004 (Intersociety for Electronic Arts)*, Helsinki, Finland.

Jennings, P., Jaime A., (2004) "ACM multimedia interactive art program: an introduction to the digital boundaries exhibition", *in the proceedings of ACM International Multimedia Conference*, Columbia University New York City, ACM Press, pp. 979 – 980.

Jennings, P. (2004). "Crossing Boundaries: Fostering Interdisciplinary Arts Practice and Human Computer Interaction Research Teams" *in the workshop Cross-Dressing and Border Crossing: Exploring Experience Methods Across Disciplines Workshop at the ACM CHI 2004 conference*, Vienna, Austria.

Jennings, P. (2004). "Teaching Design to Technologist; Teaching Technology to Designers and Artists," *in the Design and HCI Workshop, at the ACM CHI 2004 conference*, Vienna, Austria.

Jennings, P. (2004). "Distributed Minds | Negotiated Spaces: Social Interfaces for Public Spaces" *in the Reflective HCI: Towards a Critical Technical Practice Workshop, organized by Paul Dourish, Janet Fenlay, Phoebe Sengers and Peter Wright at the ACM CHI 2004 conference*, Vienna, Austria.

Jennings P., Scupelli P., (2003). "Constructed Narratives: Using Play to Breakdown Social Barriers" *in the Interactive Experience Forum and the proceedings of Interact 2003 conference*, Zurich, Switzerland.

Jennings (2002). "Social Networks and Social Interfacing" *in the proceedings of Consciousness Reframed: Fourth International CAiiA-STAR Research Conference*, Curtin University of Technology, Perth, Australia.

Anders P., Jennings P., Little G., Lichty P., (2000). "Interrogation of Space in Three Acts: a Panel on Space, Architecture, and Electronic Arts" *at ISEA2000 (International Society for Electronic Arts conference)*, Paris, France.

Jennings P. (2000). "Distributed Minds/Negotiated Spaces" *in the proceedings of Consciousness Reframed*, University of Wales College Newport.

Jennings P. (2000). "Distributed Minds/Negotiated Spaces: a Framework for Mapping Discursive Interaction Patterns in an Augmented Environment" *poster session at the Towards a Science of Consciousness Conference*, Univ. of Arizona.

Penuel, W. R., Coleman, E. B., Means, B., Fenton, J., Jennings, P., Murray, F. G., & Chung, M. (2000). "Measuring students' environmental awareness and skill in data analysis and interpretation: Designing Web-based assessment for the GLOBE program", *presented at the AERA Conference*, New Orleans, LA.

Jennings P. (1999). "ART-I-TRONICS™: Designing Technologies for the Post-Structural Age *in the proceedings of International Workshop on Physicality and Tangibility in Interaction: Towards New Paradigms for Interaction Beyond the Desktop*" *at the I3net Annual Conference: Community of the Future New Visions of Information Technology Products in Everyday Life*, Universita degli Studi di Siena, Italy; proceedings published by (Eds.) David M. Roy and Marilyn Panayi, of the Southern Danish Univeristy.

Jennings (1999). "Building Blocks for Constructing Social Narratives: a Framework for Augmenting Physical Space with Distributed Intelligence" *in the proceedings of I3net Annual Conference: Community of the Future*, (Eds.) Mimo Caenepeel, David Benyon, Duncan Smith, published by Human Communication Research Centre, Edinburgh.

Jennings P. (1999). "Smart Art: The Fusion of Art and Advanced Computer Science" *in the proceedings of Invencao: Thinking the Next Millennium*, Sao Paulo, Brazil.

Jennings P. (1999). "ART-I-TRONICS™: Designing Technologies for the Post-Structural Age" *presented at CADE99: Computers in Art and Design Education conference*, University of Teesdale, Middlesbrough, England.

Jennings P. (1998). "the book of ruins and desire," Interactive Sculpture *presented at the panel Evolution 2.0 Generative Arts at the ISEA98 (Inter-Society for Electronic Arts) conference* Liverpool, UK.

Jennings (1997). "Narrative Structures for New Media" *for the panel Hypermedia and Interactive Technology in the proceedings of ISEA97 (Inter-Society for Electronic Arts)*, Chicago, USA.

EXTERNAL PUBLICATIONS, CATALOGS AND INTERVIEWS

Dawson, Jessica (2007). "Art Meets Tech", special article printed in the Washington Post, August 4, 2007; Page C02.

Goodman, Janis (2007). "Best Bet Art: Speculative Data and the Creative Imaginary: shared visions between art and technology," WETA Television Broadcasting for Greater Washington D.C., http://origin.eastbaymedia.com/~wetadm/asx/aroundtown/070907_speculative.aspx .

Farrington, L. (2005). Creating Their Own Image: The History of African-American Women Artists *critical discussion of digital media art work in chapter "Post Black' Art and the New Millennium"* Oxford Univ. Press, pp. 283 - 284.

Mohammad, E. (2001). Race in Digital Space: Conceptualizing the Media Project *in the College Arts Association Art Journal*, Volume 60(3).

Mohammad, E. (1999). Struggles for Representation: African American Documentary Film and Video, Phyllis R. Klotman and Janet K. Cutler (eds.), *critical discussion of digital media art work in chapter Black High Tech Documents*, Indiana University Press.

Mohammad, E. (1998). 1997 Flaherty Seminar *in the AfterImage Journal*, Winter Volume 1998.

Mirapaul (1997). An Electronic Artist and *His* Body of Work *interview with the New York Times: Cybertimes Feature*.

(1996). *Catalog for the Art as Signal: Inside the Loop exhibition at the Krannert Art Museum*, Univ. of Illinois.

(1991) The Townsend Report *television interview* Cinema Verite and the Sisterhood: Black Women Filmmakers, New York City Cable Television.

Jennings P. (1991). photographs in "Voices," Newsletter of the Harlem School of the Arts, Vol. 2, No. 1.

(1990) This Week from the Banff Center *radio interview* for Public Radio, Alberta Canada.

Jennings (1983). "Power and the World Trade Center Tower," photograph published in the American Photographer Magazine, "Assignments." essay page.

Jennings (1982). photographs published in Photographer's Forum, "Best Photography of the Year Annual."

TECHNICAL PAPERS

Jennings P. (1999). Field Survey Research in Augmented Reality: the state of the art? *unpublished*.

Hoffman F., Jennings P., Vogt F. (1998). Digital Coach: A Computerized Exercise System, Technical Paper for the IBM Almaden Research Center.

INVITED LECTURES, PANELS and EXPERTS MEETINGS

- 2007 Arizona State University Arts, Media and Engineering program, Phoenix Arizona,
Guest Lecture.
- 2007 Georgia Institute of Technology, Digital Media Program, Atlanta, Georgia,
Guest Lecture.
- 2007 Southern Graphics Council, Kansas City, Missouri,
Panel Lecture: Points, Plots and Ploys *in the panel* "Social Agency of Printmaking in Public Spaces".
- 2006 Simon Fraser University, School of Interactive Art and Technology, Vancouver, Canada,
Guest Lecture.
- 2006 National Science Foundation, Washington D.C.
Presentation: Creativity in Information Technology for Science, Engineering and Design Workshop.
- 2006 National Science Foundation, Washington D.C.
Experts Meeting: Creativity Support Tools Workshop.
- 2006 School of Art, Carnegie Mellon University
Artists' Lecture.
- 2006 Spelman College Reel Women Artist Lecture, Atlanta, Georgia,
Visiting Artists' Lecture.
- 2005 Computational Design Laboratory Lecture Series at the School of Architecture, Carnegie Mellon University,
Lecture: "Shape Grammars and Folded Spaces".
- 2004 MCult and IFFACA, Helsinki, Finland
Experts Meeting: International New Media Arts Policy.
- 2003 New York Digital Salon's International Digital Art and Culture Symposium *at the* Museum of Modern Art's
Gramercy Theater, Panel Lecture: The Artist as Programmer.
- 2003 Hochschule für Gestaltung und Kunst, Zurich Switzerland,
Symposium Lecture: Nomadic Transitions: Dialogue on Art and Technology.
- 2002 Syracuse University, Syracuse, New York,
Lecture: Media Art Program Visiting Artist Lecture.
- 2002 Curtin University of Technology, Perth, Australia,
Symposium Lecture: Center for Advance Inquiry in Integrative Arts / Science Technology Arts Research.
- 2002 National Association for Media Arts and Culture (NAMAC), Seattle, Washington,
Panel: Pull Focus: Pushing Forward conference "Agents of Change Artists and Technology".
- 2002 Aspen Institute, Aspen, Colorado.
Experts Meeting: Interpreting Culture and Communication Technologies: Potentials for New Approaches
- 2002 Sony Wonder Technology Lab, New York, New York.
Panel Lecture: Race in Digital Space
- 2002 University of Arizona, Tuscon, Arizona,
Symposium Lecture: NeuroNetworks Digital Art
- 2001 Galleria Civica di Arte Moderna e Contemporanea, Turin, Italy.
Symposium Lecture: E-NAISSANCE: New Configurations of Mind, Body and Space.
- 2001 University of Southern California with the Banff Centre for the Arts, Los Angeles California
Experts Meeting: Bridges: Collaboration, Communication, Convergence.
- 2001 Arts Alliance Laboratory San Francisco, California, Artists' Lecture: CriT 1.4.
- 2000 Ecole National Supérieure des Beaux-Arts, Paris France.
Symposium Lecture: Art in the Post-Biological Era Symposium
- 2000 SRI International, Menlo Park, California, Art frontiers: Partnerships in Art and Industry Conference, sponsored by
The Kitchen (NYC) and Groundzero(Palo Alto, CA),
Panel Moderator: Redefining Reach: Community Models for Art and Technology, Menlo Park, California.
- 2000 Banff New Media Institute, Banff Centre for the Arts, Banff, Canada,
Symposium Lecture at the Living Architectures Summit.
- 2000 University of Arizona Digital Arts Symposium, Tuscon, Arizona
Symposium Lecture: Distributed Minds/Negotiated Spaces: a Framework for Mapping Discursive Interaction
Patterns in an Augmented Environment.

- 1999 University of Wales College Newport , Carleon, Wales
Symposium Lecture: Center for Advanced Inquiry in the Integrative Arts “Distributed Minds/Negotiated Spaces: a Framework for Mapping Discursive Interaction Patterns in an Augmented Environment”
- 1999 Banff New Media Institute, Banff Centre for the Arts, Banff, Canada,
Symposium Lecture at the Navigating Intelligence Colloquium, “ART-I-TRONICS™: Designing Technologies for the Post-Structural Age”
- 1999 Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil.
Symposium Lecture: “Smart Art: The Fusion of Art and Advanced Computer Science”.
- 1999 C.Y.P.R.E.S. (Centre Interculturel de Pratiques Recherches et Echanges Transdisciplinaires), Marseilles, France,
Symposium Lecture: ART-I-TRONICS™: Designing Technologies for the Post-Structural Age.
- 1999 Le Grenier du Sol, Avignon, France,
Symposium Lecture: “ART-I-TRONICS™: Designing Technologies for the Post-Structural Age”
- 1998 New York State Governor's Conference on Art and Technology, IBM Palisades Conference Center, Palisades,N.Y.,
Conference Panel: “Creative Caveat”.
- 1997 National Museum of Women in the Arts, Washington D.C.
Panel Lecture: User Interface Design *at the* Women and the Art of Multimedia conference
- 1996 Swarthmore College, Swarthmore, Pennsylvania,
Symposium Lecture: 8th Annual Sager Symposium.
- 1995 Renseselaer Polytechnic Institute iEAR Studio, Troy, New York,
Guest Lecture
- 1992 Women Make Movies Emerging Producers & Directors Workshop, New York, New York.
Panel Member
- 1992 Rutgers University, New Brunswick, New Jersey,
Guest Lecturer

ART EXHIBITIONS

- 2008 Cinema Remixed and Reloaded: Black Women Artists and the Moving Image Since 1970, Spelman college Museum of Fine Arts, Atlanta Georgia.
- 2007 Power, August Wilson African American Cultural Center and Future Tenant Gallery, Pittsburgh, Pennsylvania.
- 2007 Speculative Data and the Creative Imaginary: shared visions between art and technology, National Academy of Sciences Rotunda Gallery, Washington D.C..
- 2006 Crossing Lines: Art in an Age of All, group show with Pamela Jennings, Diane Samuels, Tony Oursler, and Chan Schatz, (June 30 – July 24, 2006). 707 Contemporary Gallery, Santa Fe, New Mexico.
- 2006 Extant Entities, (June 10 – August 4, 2006). Fe Gallery Summer Solo Show, Pittsburgh, Pennsylvania.
- 2005 Creating Their Own Image: A History of African American Women Artists, (2005). Parson’s School of Design, New York, New York, reviewed in The New York Times, Daily News, Voice, Amsterdam News, N.Y. Magazine.
- 2004 Koodattu Kokemus (Wireless Experience), Kiasma Museum of Contemporary Art as part of the Inter- Society for Electronic Arts (ISEA) conference, Helsinki, Finland.
- 2002 Authenticating Digital Art: Expression and Cultural Hybridity. Studio Museum of Harlem, New York, New York.
- 2001 Authenticating Digital Art: Expression and Cultural Hybridity. as part of the Race and Digital Space Conference, List Center for the Visual Arts, Massachusetts Institute of Technology, Cambridge, Massachusetts.
- 1999 Art ex Machina Computer Art from the 1970’s to 1999. Carleton Univ. Art Gallery, Ottawa, Canada.
- 1998 New York State Governor's Conference on Art and Technology. IBM Palisades Conference Center, Exhibit: "the book of ruins and desire," Palisades, New York.
- 1997 Flaherty Workshop on Independent Film. Cornell University, Ithaca, New York.
- 1997 Women and the Art of Multimedia. Goethe-Institut, Washington D.C..
- 1996 Luminous Bodies. Rotunda Gallery, Brooklyn, New York.
- 1996 SIGGRAPH New York Digital Salon. School of Visual Arts, New York, New York.
- 1995 SIGGRAPH New York Digital Salon. School of Visual Arts, New York, New York.
- 1996 International New Festival for Film and Video at the Joseph Papp Theater , New York, New York.
- 1995 International New Festival for Film and Video at the Joseph Papp Theater , New York, New York.
- 1996 3rd Mostra de Video Independent. Ctr de Cultura Contemporania de Barcelona, Spain.
- 1996 Magic*Data. School of Visual Arts SOHO Gallery, New York., New York.
- 1995 Art as Signal: Inside the Loop. Krannert Art Museum, University of Illinois at Urbana-Champaign.
- 1995 Multiple Mediations. Colgate University, Hamilton, New York.
- 1995 New York Film and Video Festival. Lincoln Center, New York., New York.
- 1994 Mix Experimental Film Festival. Anthology Film Archives, New York., New York.
- 1994 Break Throughs: Stonewalls. 494 Gallery, New York., New York.

- 1993 Whitney Biennial, New York, New York.
 “those fluttering objects of desire” video installation collaboration produced by Shu Lea Cheang,
 1993 Video Art: The First 25 Years.
 Curated by the Museum of Modern Art and the American Federation of Arts, New York, New York.
 1993 Video Viewpoints. Museum of Modern Art, New York., New York.
 1993 Video Etc... . Montage 93 International Festival of the Image, Rochester, New York.
 1993 Video Review. Artspace, Wellington, New Zealand.
 1993 Imaginaries. Herstory Archives, New York., New York.
 1993 International New Festival for Film and Video at the Joseph Papp Theater, New York, New York.
 1992 Outfest Film Festival. Los Angeles, California.
 1992 Those Fluttering Objects of Desire. Exit Art Gallery New York, New York.
 1992 Frameline International Film Festival. San Francisco, California.
 1992 In the Outdoor. Randolph Street Gallery, Chicago, Illinois.
 1992 Black Filmworks Festival. Oakland, California.
 1992 Look Out Festival. Downtown Community Television, New York, New York.
 1991 International New Festival for Film and Video at the Joseph Papp Theater, New York, New York.
 1991 Silence Elles Tournant: Montreal International Festival of Women’s Films and Videos. Montreal, Canada.
 1991 7th Berliner Lesbenfilmwoche. Berlin, Germany.
 1991 7th Annual International Women’s Day Video Festival . Boston, Massachusetts.
 1991 St. Lawrence Festival of the Arts - Out Art. St. Lawrence University, Canton, New York.
 1990 Residency Show, Banff Centre for the Arts, Banff, Canada.
 1990 Media Alliance Conference. New York University, New York, New York.
 1989 FIX -IT: The current state of women in photography education. Society of Photographic Education Exhibit,
 Rochester, New York, University. of Minnesota, Univ. of California, Santa Cruz, Rutgers University.
 1987 Soho Photography Gallery. New York, New York.
 1986 Allen Art Museum Inter Museum Conservation Association Hall. Oberlin College, Oberlin, Ohio.

CARNEGIE MELLON UNIVERSITY CURRICULUM

SOA – School of Art HCII – Human Computer Interaction Institute

Year	Dept	Course
2007	SOA	Physical Computing: the Art of Noises
	HCII	Interface and Interaction Design
2006	SOA	Creative Digital Media Theory and Practice
	SOA	Physical Computing: Wearable Experience and
2005	HCII	Interface and Interaction Design
	SOA	Interactive Programming: Multimedia
	HCII	Critical Interaction Design
2004	SOA	Physical Computing: Wearable Experience
	SOA	Electronic Media Studio I (EMSI)
	SOA	Physical Computing: Augmented Spaces
2003	HCII	Interface and Interaction Design (IID)
	SOA	Physical Computing: Augmented Spaces
	HCII	Interface and Interaction Design (IID)
2002	SOA	Interactive Programming: Multimedia
	SOA	Physical Computing: Interactive Narratives
2001	SOA	Interactive Programming: Multimedia

GRADUATE ADVISING and INDEPENDENT STUDIES

Samina Mansuri	2009 MFA candidate
Allison Reeves	2008 MFA candidate
Jennifer Gooch	2009 MFA candidate
Ben Kingsley	2008 MFA candidate
David Halsell	2007 MFA graduate
Ian Ingram	2007 MFA graduate
David Tinapple	2007 MFA graduate

Tiffany Sum	2006 MFA graduate, Thesis Advisor
Takehito Etani	2006 MFA graduate, Thesis Advisor
Blithe Riley	2005 MFA graduate
Carolyn Lambert	2005 MFA graduate
Takahiro Noguchi	2003 MFA graduate, Thesis Advisor
Pen-Hui Wan	2009 Ph.D candidate, Computational Design, Architecture
Yu-Chang Hu	2009 Ph.D candidate, Computational Design, Architecture

INDEPENDENT STUDY

Doug Fritz	2007 Bachelor of Science and the Arts graduate Independent Major in Cybernetics, Digital Media and HCI
Lauren Feldman	2003 Bachelor of Humanities and the Arts graduate

STUDENT RESEARCH ASSISTANTS

College of Fine Arts	School of Art	Takehito Etani M. Fine Arts, 2006 Tiffany Sum M. Fine Arts, 2006 Yuchang Hu Ph.D. candidate 2009
	School of Architecture	Jean (Pouchon) Venerin B.F.A. Drama, 2002
	School of Drama	Michael Trentacosta Bachelor of Science, 2003
School of Computer Science	Computer Science	Peter Scupelli Ph.D., candidate
	Human Computer Interaction Institute	Bilge Mutlu Ph.D. candidate Ashley McKnight Masters, 2004
	Entertainment Technology Center	Ted Hung Masters, 2003
College of Engineering	Electrical and Computer Engineering	Jack Yu Masters, 2004 Anthony Kolb B. Ph.D.,2003
College of Humanities and Social Sciences	Cognitive Psychology and Statistics	Vicente Malave Bachelor of Science, 2005
Heinz School of Public Policy and Management	Information Systems	Teymour Haider Masters, 2003
University of Pittsburgh	Information Sciences	Gabriele McLaren Masters,2006

CARNEGIE MELLON UNIVERSITY COMMITTEES

2006 -2007	University Education Council, Chair Vice Provost Indira Nair.
2005 - 2007	Diversity Advisory Council, Chair President Jared L. Cohen.
2005 - 2006	University Lecture Committee, Chair Vice Provost for Education, Vice Provost Indira Nair.
2005 -2007	Carnegie Mellon University Faculty Senate

COLLEGE OF FINE ARTS COMMITTEES AND ACTIVITIES

2001 - 2002	College of Fine Arts Governing Council.
2002	College of Fine Arts Development Office Foundation meetings.

DEPARTMENT COMMITTEES

2004 -2005	Chair, Digital Media Art Faculty Committee.
2003 - 2005	Visiting Artists Lecture Committee.
2001 - 2004	Miller Gallery Committee.
2003 -2004	Chair, Web Site Design Advisory Committee.
Annual	Minority Admissions Recruiting Activities.
Annual	Admissions portfolio reviews, undergraduate and graduate.
Annual	Annual undergraduate and graduate portfolio reviews.
Annual	Sophomore, Senior and Graduate Portfolio Review.
Annual	HCI Voting Faculty Masters in HCI Admissions Committee