Curriculum Vitae

SHAWN BRIXEY
Dean │ School of the Arts, Media, Performance and Design │ York University

Education
1988   **Master of Science in Advanced Visual Studies** │ Environmental Design, Architecture, Media Arts and Sciences, Engineering
Media Laboratory, Massachusetts Institute of Technology, Cambridge, Massachusetts (Terminal Interdisciplinary Degree)
Committee Members, Otto Piene (MIT), Harold "Doc" Edgerton (MIT), Lowry Burgess (CMU), Steven Benton (MIT), Joe Davis (MIT)

1985   **Bachelor of Fine Arts** │ Interactive Sculpture and Experimental Media, Kansas City Art Institute, Kansas City, Missouri
Committee Members, Dale Eldred (KCAI), Jim Leedy (KCAI), Thana Lauhakaikul (UTAustin)

Academic and Leadership Position Highlights
2013 – pres.
- Dean │ School of the Arts, Media, Performance and Design (AMPD), York University, Toronto, Ontario, Canada
- Manage annual activity-based budget of $50M for faculty, graduate students, staff salaries, research, and operations
- School of the Arts, Media, Performance and Design includes; 300 full-time tenure-stream faculty and lecturers, 100 full-time staff, 3500 undergraduate, and 450 graduate students, 500,000 ft^2 of assigned state-of-the-art research and classroom space, a 700-bed residential College, two federally-funded national-laboratories for " digital innovation", multiple laboratories, exhibition venues, theatres, studios, black-boxes, sound-stages, cinemas, concert halls, collections and study centers, historic farm, and a multi-Faculty interdisciplinary (arts, humanities, social science, science, and engineering) Organized Research Unit (ORU)
- Integrated the Faculty of Fine Arts, into the larger, more robust School of the Arts, Media, Performance, and Design
- Launched new $25M naming campaign, including support for research innovation and student success
- Fundraised $9.9M+ in new gifts, and payment of $1.7M from committed but long unpaid pledges
- Increased faculty research productivity and external sponsored research funding by 600% to $6.6M, for 2013-2015
- Increased faculty sponsored research success rates to 54%, 25% higher than the national average
- One of 4 participating Faculty (Science, Health, AMPD, Engineering) awarded a $35 million Canada First Research Excellence Fund (CFREF) to support a $120M national vision research project.
- Corrected $4.2M in structural debt in two years using new in-house developed budget-forecasting system, to harmonize union contracts and support better resource management.
- Created new Assistant Dean, Strategic Marketing, Communication and Enrolment Management position
- Completed Faculty's first-ever branding, strategic marketing and communication plan using evidence-based consultant research data blended with strategic enrolment analysis
- Developed and implemented first campus strategic enrolment management (SEM) practice
- Reversed previous five-year enrolment trend loss with 5.2% year-over-year conversion and enrolment increases
- Arrested previous five-year market share loss, including an 12.8% single year increase for 2016
- Created new Assistant Dean, Advising and Student Services position
- Created new centralized, multi-threaded office of integrated advising, student success, and peer mentoring (OAISS)
- Increased student engagement 350% based on NSSE survey of studies and other educationally purposeful activities
- Moved to 2nd place from 11th place (out of 12 campus Faculty's), for incoming student GPA (in under two years)
- Moved to 2nd place from 9th place (out of 12 campus Faculty's), for student retention (in under two years)
- Ranked 2nd highest quality academic administration as measured by recent five-year campus review
- Launched new multi-Faculty (arts, humanities, social science, and engineering) Organized Research Unit (ORU)
- Created multiple new interdisciplinary faculty lines
- Created the first named Endowed Chair in Canada for, Community Engaged Research in the Arts
- Awarded, multiple competitive government funded Canada Research Chairs in: Data Visualization and Information Design; Digital Performance; Games, Gaming and Gamification, etc.
- Established new Department of Computational Arts, accelerating our growing joint arts and engineering degrees
- Signed new research partnerships with industry leaders including; Toronto International Film Festival, Derivative (pioneering visual effects company), D-Box (motion simulation for film and digital media), Organic Motion (industry leader in marker-less motion capture for film, dance and digital media), and more
- Partnered with CineSpace (2nd largest soundstage and film production facility in North America), to donate and build a 10,000 sq.ft. integrated motion media laboratory (marker-less motion/performance capture, interactive stage, ambisonic sound, etc.) for next-generation arts research
- Established $1M in new "needs-based" project and travel awards for students pursing interdisciplinary arts research
- Developed new AMPD website including user generated content, responsive design, database and CRM integration

Academic and Leadership Position Highlights (continued)
- Executed new regional and national multi-format marketing campaign in partnership with central communications
- Created new Experiential Education Coordinator position to support rapidly growing service learning activities
- Increased international student exchange articulations and study abroad options to more than 20 institutions
- Created new low-income student outreach programs including summer residency and project-based research intensives
- Created new school board approved university credit program for high-achieving, high-school juniors and seniors
- Established new media-rich, social-media integrated, student portfolio application portal
- Launched pan-faculty strategic technology fund to support greater collaboration and innovative resource sharing
- Received $500K, in highly competitive governmental grants to develop next-generation blended learning strategies
- Conducted capacity-building retreats and professional development for staff to encourage greater entrepreneurial culture
- Creative Director of 2014 Cinematic Innovation Summit for the Dubai International Film Festival (DIFF), academic and industry think-tank exploring disruptive and convergent technologies across cinema, media, simulation, games, computing and entertainment sectors

2009 – 2012   **Floyd and Delores Jones Endowed Chair in the Arts** | College of Arts and Sciences, University of Washington, Seattle, Washington
- Floyd and Delores Jones Endowed Chair in the Arts, University of Washington's distinguished endowed arts award
- National Science Foundation award to develop national innovation network for media arts, design, science, & engineering
- Chair of New and Virtual Media Directorate, Canadian Foundation for Innovation, National Research Council Canada
- International Scientific Advisory Board, GRAND | Graphics, Animation and New Media, National Research Council Canada

2006 - 2009   **Director** | Center for Digital Arts and Experimental Media (DXARTS) and Center for Advanced Research Technology in the Arts and Humanities (CARTAH), University of Washington, Seattle, Washington
- Managed annual budget of $2.7M+ for faculty, doctoral student, and staff salaries
- Doubled DXARTS community size including faculty, affiliates, doctoral students, and professional staff
- Quadrupled undergraduate enrollment to 900+ by increasing recruitment, first year enhancement and research focus
- Attracted more than $1.5M in gifts, industrial and campus matching funds for faculty and student research
- Completed first mandatory 5-year accreditation review ahead of schedule and with universal committee praise
- Creation of 12,000 sq. ft., off-campus industrial research facility for digital fabrication and digital cinema sound stage
- Developed novel new self-sustaining, high-demand Study Abroad and Summer School Programs
- Recruited Affiliate Faculty to DXARTS from Art, Architecture, Music, Dance, Drama, Computer Science, Electrical and Mechanical Engineering, Communications, Comparative History of Ideas, Comparative Literature, Biology and Law
- Supported more than 300 funded interdisciplinary media, humanities, social science research projects in CARTAH
- Created CODEXA, Digital Libraries Initiative, permanent digitally native research archive, funded by Mellon Foundation.
- Transitioned all classified staff and new staff hires to professional staff with expanded research support roles
- Restructured advising, created permanent multi-thread graduate and undergraduate advising office
- First three graduating classes of DXARTS BFA and Ph.D. students receive multiple Dean's Medalist Awards
- DXARTS graduates receive three Creative Capital Award's, earns top honors at SXSW, ARS, and SIGGRAPH
- Created joint interdisciplinary BFA/BA thesis seminar with Comparative History of Ideas Program
- Partnered with local community, galleries and museums to host annual DXARTS BFA thesis exhibition
- Instituted online applications, portfolio's and course management for all DXARTS courses
- Increased recruitment of under-represented communities, and achieved 50/50 gender parity across program
- Distinguished Visiting Lecturer Program including, Guy Maddin, Char Davies, Lynn Hershman, Golan Levin, Gary Hill, Edward Shanken, Ben Fry, Stelarc, Annick Bureaud, Paul Kaiser, Gail Wight, Douglas Kahn, Ed Osborn, and Ken Goldberg
- Annual Experimental Cinema Festival jointly sponsored and curated with the Pacific Film Archives UC Berkeley
- Established biennial commissioned dance technology concert, *D3,* jointly created with DXARTS and Dance Department
- Provost appointed committees, Budget Advisory, Academic Standards, Educational Technology, Information Systems
- Keynote Speaker, National Association of Schools of Arts and Design
- Chronicle of Higher Education article highlights DXARTS as one of most innovative arts programs in the nation

2002 - 2006   **Associate Director** | Co-Founder, Center for Digital Arts and Experimental Media, University of Washington, Seattle, Washington
- Recruited to UW to found DXARTS, design its strategic vision, creative identity, research and educational mission
- Board of Regents and HEC Board approve creation of new autonomous Ph.D. and BFA Programs in 10 months
- Chaired DXARTS permanent, adjunct faculty and staff hires committee, coordinated graduate program and admissions
- Jointly managed multimillion-dollar capital construction projects for the creation of DXARTS
- Creation of new BFA and Ph.D. curriculum, including 55 new interdisciplinary arts and sciences courses in 12 months

- Keynote Speaker, College Art Association, National Alliance for Media Arts and Culture
- Major research funding, Intel Corporation, Apple Computer, AVID Technology Incorporated

2002 – 2009   **Associate Professor** | Digital Arts and Experimental Media, University of Washington, Seattle, Washington
- *Versonne*, Arctic Circle Organization, High Arctic Research Expedition and Exhibition, Svalbard, Norway, 2012
- *Voltar*, European Union Capital of Culture Exhibition, Commissioned Installation, Guimaraes, Portugal, 2012
- *Arp's Peculiar Universe*, International Astronomical Union, Hubble Telescope Exhibition, Schneider Museum of Art, Southern Oregon University, 2009
- World Design Challenge, Winner Editors Choice, Popular Science Magazine, 2004
- Founding Member, IEEE Society of Robotics and Automation, Technical Committee on Networked Robots, 2004
- *Eon*, Rockefeller Foundation, New Media Fellowship, 2003
- *Gene(sis): Contemporary Art Explores Human Genomics*, Commissioned Installation Berkeley Art Museum, 2001-2003

1999 - 2002   **Director** | Founder, Center for Digital Art and New Media Research, University of California Berkeley, Berkeley, California
- Recruited to Berkeley to found CDANM, design its strategic vision, educational mission, and creative identity
- Incorporated with Berkeley Center for New Media, includes 130 participating faculty across Ph.D. Program
- Managed multiple central-campus capital construction projects for the creation of BCNM
- Primary Investigator of UC System, Multi-Campus Digital Media Research Network, ORU budget $500K+
- Executive Council Member, President's Strategic Planning Commission for Digital Media
- Executive Council Member, Center for Information Technology Research in the Interest of Society (CITRIS) ($300M joint university, government, industry IT incubator)
- Executive Council Member, Consortium for the Arts
- Executive Council Member, College of Environmental Design, Center for Design Visualization
- Advisory Board Member, Berkeley Art Museum and Pacific Film Archives
- Executive Council Member, Digital Media Innovations Agency (UC system-wide centralized research funding agency)

1998 - 2002   **Assistant Professor and Chair** | Founder, Digital Media Program, Department of Art Practice, University of California Berkeley, Berkeley, California
- Recruited to Berkeley to found DMP, design educational mission, interdisciplinary curriculum and research programs
- Annual budget of $475K+ for faculty, lecturers, staff salaries and operating expenses
- Chaired faculty, lecturer and staff hires, coordinated graduate program and undergraduate admissions
- *Alchymeia,* Winter Olympics Commission, Nagano, Japan, 1998
- First American Architecture and Design Triennial Commission, National Design Museum, New York, New York, 2000

1997 - 1998   **Presidential Distinguished Visiting Scholar** | New Media Institute, San Francisco State University, San Francisco, California
- Recruited to SFSU to redesign the educational mission and research focus of the Multimedia Studies Program
- Keynote Address, San Francisco Mayor's International Technology Summit, Yerba Buena Center for the Arts

1996 - 1997   **Acting Director** | Center for Advanced Research Technology in the Arts and Humanities, University of Washington, Seattle, Washington
- Major research funding, Intel Corporation, Alias | Wavefront, Silicon Graphics Industries

1994 - 1997   **Assistant Professor and Chair** | Cross-Disciplinary Arts Program, School of Art, University of Washington, Seattle, Washington
- Recruited to found UW School of Art's, Interdisciplinary Visual Arts Major (IVA)
- Interdisciplinary Visual Arts major grows to largest single major in the SOA, 300+ students
- Co-Founder | Co-Director, Laboratory for Animation Arts
- MIT Museum commissioned exhibition, *Light, Space and Time*, Cambridge, Massachusetts

1990 - 1994   **Assistant Professor and Chair** | Founder, Media Arts Program, College of Fine Arts, University of Kentucky, Lexington, Kentucky
- Recruited to found UK College of Fine Art's, New Media Program, faculty hires include Eduardo Kac
- Managed multiple capital construction projects for the creation of MAP
- World Premiere *MECHANIKA* commissioned exhibition, Contemporary Art Center, Cincinnati, Ohio 1991
- National Endowment for the Arts, Washington, D.C., New Forms Fellowship

Academic and Leadership Position Highlights (continued)

1989 - 1990   **Inaugural Leonardo Fellow** | School of Art, University of Michigan, Ann Arbor, Michigan
- Cranbrook Academy of Art Museum, Commissioned exhibition with Yoko Ono, Bloomfield Hills Michigan 1990
- Leonardo Fellowship focus on merging educational mission, curriculum and strategic research planning for art and design

1988 - 1989   **Fellow** | Center for Advanced Visual Studies, Department of Architecture, Massachusetts Institute of Technology, Cambridge, Massachusetts
- MIT President's Commission on Art, Science and Technology, creation of new Media Laboratory degree programs
- Lights | Orot, Yeshiva University Museum, commissioned exhibition, New York, New York, 1988

Selected Leadership, Councils, Initiatives, and Community Engagement

2016   **Executive Board Member** | VISTA | $120M federally funded vision science CFREF program| York University, Toronto, Canada

2016   **Executive Member** | Long Range Planning (LRP) | York University, Toronto, Canada

2016   **Executive Member** | Joint Committee on Administration of Agreement (JCOAA) | York University, Toronto, Canada

2016   **Convocation Speaker** | York University, Toronto, Canada

2015   **Convocation Speaker** | York University, Toronto, Canada

2015   **Executive Member** | President's Strategic Marketing and Communication Council | York University, Toronto, Canada

2014   **Executive Member** | Provost's Authoring Group | Government Strategic Mandate Agreement | York University, Toronto, Canada

2014   **Executive Member** | President's Community Outreach, Diversity and Engagement Council | York University, Toronto, Canada

2014   **Executive Member** | President's Advisory Council | York Region New Campus Development | York University, Toronto, Canada

2012   **Founding Partner and Creative Director** | Cinematic Innovation Summit, Dubai International Film Festival (Dubai), Center for New Cinema (Seattle), Media City (Dubai), Naseba (Dubai), Dubai, UAE

2011   **International Scientific Advisory Board Member** | GRAND, National Research Council of Canada, Toronto, Canada, Board Chair, Joe Marks, VP Disney Research

2011   **National Science Foundation** | National Endowment for the Arts | Interagency Initiative, Arlington, Virginia

2010   **External Accreditation Review Committee Member** | Media Arts and Technology Program, University of California Santa Barbara, Santa Barbara, California

2010   **National Science Foundation** | Creative IT | Review Committee Member, Arlington, Virginia

2010   **Arts Innovator Award Senior Panelist** | Dale Chihuly Inaugural Arts Innovation Award, Artists Trust, Seattle, Washington (http://www.seattlechannel.org/videos/video.asp?ID=5211070)

2009   **Convocation Speaker** | Fashion Institute of Technology, State University of New York, New York

2009   **Chair** | New and Virtual Media Directorate, Canadian National Foundation for Innovation, Montreal, Canada

2008   **Keynote Speaker** | National Association of Schools of Arts and Design | Annual Conference | *DXARTS and Inventing the Art of the Future*, Seattle, Washington

2008   **Juror** | Rockefeller Foundation, New Media Awards, New York, New York

2008   **Board of Advisors** | Berkeley Center for New Media, University of California Berkeley, members include Bill Mitchell/MIT, Lev Manovich/UCSD, Red Burns/NYU

2008   **College Budget Advisory Council** | Dean Appointed Budget Oversight Committee, College of Arts and Sciences, University of Washington, Seattle, Washington

2008   **Board of Directors** | Center for New Cinema, Non-Profit, Seattle, Washington

2007   **Academic Technology Advisory Council (ATAC)** | Provost Appointed Standing Committee, Oversight of Campus Technology, University of Washington, Seattle, Washington

2006   **Information Systems Taskforce (IT2)** | Provost Appointed Taskforce, 10 Year Comprehensive Technology Plan, University of Washington, Seattle, Washington

2006   **Faculty Search Committee** | Industrial Design, University of Washington, Seattle, Washington

2006   **Graduate Program Coordinator** | Center for Digital Arts and Experimental Media, University of Washington, Seattle, Washington

2006   **Faculty Alliance on Human Computer Interaction** | University of Washington, Seattle, Washington

2005   **Keynote Speaker** | *Artmedia XI International,* Universita Degli Studi di Salerno, sponsored by the Associazione di Matematica e Informatica Italiana, Associazione di Informatica Musicale Italiana, and the Association Francaise d'Informatique Musicale, Salerno, Italy

2005   **Keynote Speaker** | College Art Association | Annual Conference | Leonardo Education Forum | *From Simulation to Emulation,* Boston, Massachusetts

2005   **Faculty Committee on Academic Standards (FCAS)** | Provost Appointed Standing Committee, University of Washington, Seattle, Washington

2005   **Executive Planning Committee** | Digital Arts Center | Dean of Art and Architecture, Montana State University, Bozeman, Montana

2005   **Wireless Advisory Group** | Provost Appointed Committee, Oversight of Campus Wireless Policy and Deployment, University of Washington, Seattle, Washington

2005   **Faculty Committee on Educational Technology (FCET)** | Provost Appointed Standing Committee, University of Washington, Seattle, Washington

Selected Leadership, Councils, University Initiatives, and Community Engagement (continued)

2005   **School of Art** | Dale Chihuly Gift Planning Committee, A&S Dean Appointed Working Committee, University of Washington, Seattle, Washington

2005   **Graduate Program Coordinator** | Center for Digital Arts and Experimental Media, University of Washington, Seattle, Washington

2004   **Founding Committee Member** | IEEE Society of Robotics and Automation, Technical Committee Networked Robots, Lausanne, Switzerland, with Ken Goldberg, et.al.

2002   **Walker Ames Lecture Leader** | Ken Goldberg, College of Arts and Sciences, University of Washington, January 13-18th

2001   **Executive Council and Research Council Member** | Berkeley Institute for Design, CITRIS Initiative, College of Engineering, University of California Berkeley

2001   **Executive Council and Founding Member** | College of Environmental Design's, Center for Design Visualization, Organized Research Unit, University of California Berkeley

2000   **Executive Council, Member** | The Consortium for the Arts, Organized Research Unit, University of California Berkeley

2000   **Board of Advisors** | Berkeley Art Museum, New Media Committee, University of California Berkeley

1999   **Executive Committee and Research Council Member** | System-wide Digital Media Innovations Agency, University of California

1998   **Executive Council, Member** | President's System-wide Planning Group on Digital Arts, Office of the President, University of California

1998   **Primary Investigator and Co-Founder** | Multi-Campus Research Program, UC Media Arts Research Network, Office of the President, University of California

1998   **Founder** | Director of the Center for Digital Art and New Media Research, University of California Berkeley

1996   **Co-Founder** | Co-Director, Laboratory for Animation Arts, University of Washington, Seattle, Washington

Selected Research Exhibitions and Events

2017   **Ars Bioarctica** | Finnish Society of Bioart | Kilpisjärvi Biological Station | University of Helsinki, Glacier-Cloning Project (upcoming)

2012   **Fabrica ASA** | Guimaraes, Portugal, *Emergencias,* European Union Capital of Culture Exhibition, *Voltar,* Commissioned Glacier Cloning Project

2008   **Schneider Museum of Art** | Ashland, Oregon, United Nations and the International Astronomical Union, Hubble Telescope Exhibition, *Arp's Peculiar Universe*, Commissioned Anti-Gravity Project

2004   **National Products Building** | Philadelphia, Pennsylvania, *Impossible Projects in Contemporary Art*, *Altamira*, Commissioned Telepresence Prosthetic System, artists included, Natalie Jeremijenko, Mark Napier, etc.

2003   **Berkeley Art Museum** | University of California Berkeley, Berkeley, California, *Gene(sis): Contemporary Art Explores Human Genomics*, *Chimera Obscura*, Commissioned Telerobotic Installation

2001   **Henry Art Gallery** | University of Washington, Seattle, Washington, *Gene(sis): Contemporary Art Explores Human Genomics*, *Chimera Obscura*, Commissioned Telerobotic Installation

2000   **Cooper Hewitt Museum** | New York, New York, *First American Architecture and Design Triennial, Liquiescence*, with LOOM Studio Architects, Commissioned Interactive Environmental Installation, Exhibition artists included, Stefan Sagmeister, Karim Rashid, Steven Holl, Julie Taymor, John Maeda, Billie Tsien, Tod Williams, IDEO, etc.

1998   **Winter Olympics** | Nagano, Japan, *Alchymeia*, Commissioned Interactive Environmental and Telepresence Project

1997   **Art Institute of Chicago** | Chicago, Illinois, *International Symposium for Electronic Art,* Commissioned Internet Telepresence Project

1995   **M.I.T. Museum** | Cambridge, Massachusetts, *Light-Space-Time, Instruments of Material Poetry*, Anti-Gravity Project, Exhibition artists included, Gyorgy Kepes, Minor, White, Harriet Casdin-Silver, Dieter Jung, etc.

1991   **Contemporary Art Center** | Cincinnati, Ohio, *MECHANIKA*, World Premiere, *Celestial Vaulting*, Interferometric Holography Installation, Exhibition artists included, Chris Burden, Bruce Nauman, Survival Research Lab

1990   **Cranbrook Academy of Art Museum** | Bloomfield Hills, Michigan, Two Person Show with Yoko Ono, *Celestial Vaulting*, Commissioned Interferometric Holography Installation

1987   **Documenta 8** | Karlsruhe, Germany, *Sky Chasm*, in collaboration with the Laura Knott Dance Company, Commissioned Interferometric Holography Installation

1986   **Smithsonian World Television** | National Endowment for the Arts, *Desert Sun/Desert Moon*, Lone Pine, California, *Photon Voice*, in collaboration with the Laura Knott Dance Company, Commissioned Interactive Optical Telepresence Installation

Selected Grants, Awards and Distinctions

2011   **National Science Foundation** | EAGER, Washington D.C. No. IIS-1141503, (XSEAD) Research Exchange Supporting Networks of Creativity and Innovation Across Arts, Design, Science, and Engineering $325K, Co-PI and Author with Thanassis Rikasis ASU, Donna Cox UIUC, et. al.

2011   **Radiant Arc Expedition** | Northern Arctic Research Expedition Fellowship, Arcticcircle.org, New York, New York

2010   **Social Strata Incorporated** | Seattle, Washington, Social Enterprise, Major Research Partnership Grant, $285K, PI and Author, Corporate In-kind

2009   **Floyd and Delores Jones Endowed Chair** | College of Arts and Sciences, University of Washington, Seattle, Washington, $180K

2009   **Bensussen Distinguished Visiting Lecturer** | Chapman University, Orange, California, April 13-16

Selected Grants, Awards and Distinctions (continued)

2008 **STF Award** | DXARTS, University of Washington, Seattle, Washington, $208K, PI and Author, Competitive Institutional Technology Matching Award

2007 **Apple Computer Corporation** | Cupertino, California, Cluster Culture, Next Generation Grid Computing, Major Project Grant, $50K, PI and Author, Corporate In-kind

2007 **STF Award** | DXARTS, University of Washington, Seattle, Washington, $295K, PI and Author, Competitive Institutional Technology Matching Award

2006 **Lifetime Fellow Award** | CNN/TIME Magazine World Technology Awards, San Francisco, California, November 2-5

2006 **Outstanding Contribution Award** | IEEE Society New England Chapter, Tufts University, Somerville, Massachusetts, February 23

2006 **Distinguished Visiting Lecturer** | Department of Art, Southern Oregon University, Ashland, Oregon

2006 **AVID Corporation** | Tewksbury, Massachusetts, Major Research Partnership Grant, $50K, PI and Author, Corporate In-kind

2006 **STF Award** |DXARTS, University of Washington, Seattle, Washington, $175K, PI and Author, Competitive Institutional Technology Matching Award

2005 **Apple Computer Corporation** | Cupertino, California, Culture of Innovation II, Major Project Grant $50K, PI and Author, Corporate In-kind

2005 **Distinguished Visiting Lecturer** | Department of Architecture, Texas A&M University, College Station, Texas

2005 **STF Award** | DXARTS, University of Washington, Seattle, Washington, $330K, Co-PI, Co-Author, with DXARTS students and staff, Competitive Institutional Technology Award

2004 **World Design Challenge** | Popular Science Magazine, New York, New York, Winner: Editors Choice Award, with graduate students Bret Battey, Ian Ingram, Competitive International Design Award

2004 **Apple Computer Corporation** | Cupertino, California, *Culture of Innovation*, Major Research Project Grant, with Richard Karpen, $250K, Co-PI, Author, Corporate In-kind

2004 **STF Award** | DXARTS, University of Washington, Seattle, Washington, $350K, Co-PI, Co-Author with DXARTS students and staff, Competitive Institutional Technology Matching Award

2003 **Rockefeller Foundation** | New York, New York, New Media Fellowship, $40K, Competitive National Fellowship

2002 **Intel Corporation** | Mountain View, California, Art, Science and Technology, Major Project Grant, $50K, Co-PI, Co-Author with Greg Niemeyer, Corporate In-kind

2001 **Henry Art Gallery** | University of Washington, Seattle, Washington, *Chimera Obscura*, $25K, PI, Competitive Individual Commission

2000 **Hellman Award for Distinction in Research** | Office of the President, University of California, Berkeley, California, The Eon Project, $25K, PI and Author, Competitive Campus Research Award

2000 **Boxlight Corporation** | Poulsboro, Washington, *Liquiesence*, Major Project Grant, $15K, PI, Corporate In-kind

2000 **National Design Museum** | New York, New York, *Liquiesence*, $10K, Co-PI with LOOM Studio, Competitive National Commission

2000 **UC Digital Arts Research Network** | Multi-Campus Research Group, Office of the President, University of California, Major Project Grant, $500K annual, Co-PI, Co-Author with Sharon Daniels, Sheldon Brown, Competitive UC System-wide Research and Educational Program Award

1999 **Digital Secrets Exhibition** | *Secret Agents Networked Opera*, Institute for Studies in the Arts, Arizona State University, Tempe, Arizona, $25K, PI and Author, National Competitive Commission

1999 **Educational Technology Grant** | Center for New Media Research, Office of the Executive Vice Chancellor, University of California, Berkeley, $30K, C0-PI, Co-Author with Alice Agogino Dean of Engineering, Competitive Institutional Grant

1998 **Finalist** | EXPO 2000 Design Competition, *Epicycle*, Hannover, Germany, PI and Designer, Award and Honorarium, International Competitive Commission

1998 **Capitol Projects Award** | Center for New Media Research, Office of the Dean, Arts and Letters, University of California Berkeley, $40K, PI and Author, Competitive Construction Grant

1998 **Faculty Research Award** | Computer Holography, Committee on Research, University of California Berkeley, Competitive Faculty Award

1997 **Intel Corporation** | Mountain View, California, Major Research Project Grant, $250K, Co-PI, Co-Author with David Salesin, Richard Karpen, and Tony Derose, Corporate In-kind

1997 **San Francisco State University** | Institute for New Media, San Francisco, California, Honorarium, First Presidential, Distinguished Mentorship in New Media, $60K, PI, Competitive National Award

1996 **Yakima Industries** | Arcata, California, *Alchymeia*, Winter Olympics Project, Research Project Grant, PI and Author, Corporate In-kind

1996 **Scientific Kelvinator** |Walnut Creek, California, *Alchymeia*, Winter Olympics Project, Research Project Grant, PI and Author, Corporate In-kind

1996 **U.S. Filter** | Renton, Washington, *Alchymeia*, Winter Olympics Project, Research Project Grant, PI and Author, Corporate In-kind

1996 **Curriculum Innovation Award** | University of Washington, College of Arts and Sciences, Seattle, Washington, Co-PI, Co-Author with Richard Karpen, Competitive Campus Research Award

1996 **Capitol Projects Award** | Laboratory for Animation Arts Renovation, Office of the Provost, University of Washington, Seattle, Washington, $60K, Co-PI, Co-Author with Richard Karpen, Competitive Campus Research Award

1996 **Alias/Wavefront** | Mountain View, California, Laboratory for Animation Arts, Major Project Grant, $250K, Co-PI, Co-Author with David Salesin, Richard Karpen, and Tony Derose, Corporate In-kind

Selected Grants, Awards and Distinctions (continued)

1995   **Newport/Klinger** | Irvine, California, Grant, Computer Holography for the Laboratory for Animation Arts, Major Project Grant, $50K, PI and Author

1995   **Silicon Graphics Industries** | Mountain View, California, Grant, Laboratory for Animation Arts Launch, $650K, Co-PI, Co-Author with David Salesin, Richard Karpen and Tony Derose, Corporate In-kind

1995   **Microsoft Incorporated** | Bellevue, Washington, SoftImage, Laboratory for Animation Arts Launch, $350K, Co-PI, Co-Author with Richard Karpen and David Salesin, Corporate In-kind

1995   **Apple Computer Incorporated** | Cupertino, California, Luna Memoria, $17K, Major Research Project Grant, PI and Author

1995   **Apple Computer Matching Grant** |Graduate School, University of Washington, Seattle, Washington, $17K, PI and Author

1995   **Educational Technology Grant** |College of Arts and Sciences, University of Washington, Seattle, Washington, Co-PI, Co-Author, with Richard Karpen, Competitive Campus Technology Award

1993   **ITA Corporation** | Cincinnati, Ohio, *Eat the Box*, The Kentucky Theater, Light Valve Projector Donation, PI and Author, Corporate In-kind

1993   **Kentucky Arts Council** | Owensboro, Kentucky, New Media Fellowship, PI and Author, Competitive State Research Award

1992   **South Carolina Arts Commission** | Columbia, South Carolina, Celestial Vaulting, Competitive Commission

1992   **South Carolina State Museum** | Columbia, South Carolina, Celestial Vaulting, Competitive Individual Commission

1992   **Kentucky Arts Council** | Frankfort, Kentucky, *Celestial Vaulting*, Travel Grant, Competitive Award

1992   **Delaware Council for the Arts** | New Forms Review Panelist, Newark, Delaware, honorarium

1992   **Kentucky Arts Council** | Inaugural New Media Fellowship, Frankfort, Kentucky Fellowship, Competitive Individual Fellowship

1992   **National Association of State Art Agencies** | Metropolitan Museum of Art, New York, New York, Honorarium

1991   **National Endowment for the Arts** | Washington, D.C. New Forms Fellowship, PI and Author, Competitive National Fellowship

1991   **Javelin Electronics** | Pasadena | California, *Instruments of Materials Poetry*, Major Project Grant, PI and Author, Corporate In-kind

1991   **Leica Optical** | Chicago, Illinois, *Instruments of Materials Poetry*, Major Microscopy Equipment Grant, PI and Author, Corporate In-kind

1991   **Perkin Elmer Corporation** | Oak Brook, Illinois, *Instruments of Material Poetry,* Optics Equipment Grant

1991   **Contemporary Arts Center** | *MECHANIKA*, Cincinnati, Ohio, Celestial Vaulting, Competitive Individual Commission

1990   **Finalist** | Media Park Koln Design Competition, Koln, Germany, Co-Designer with Otto Piene, International Competitive Commission

1990   **3M Corporation** | Medical Division, Saint Paul, Minnesota, *Vista Genesis*, Research Project Grant, PI and Author, Corporate In-kind

1990   **Michigan Council for the Arts** | Lansing, Michigan, *Celestial Vaulting*, Research Project Grant, PI and Author, Corporate In-kind

1990   **Cranbrook Educational Community** |Bloomfield Hills, Michigan, *Celestial Vaulting*, Competitive Individual Commission

1990   **Prodelin Satellite Communications Corporation** | Newton, North Carolina, *Celestial Vaulting*, Research Project Grant, PI and Author, Corporate In-kind

1989   **3M Corporation** | Coatings Division, Saint Paul, Minnesota, *Celestial Vaulting*, Optics Equipment Grant, PI and Author, Corporate In-kind

1988   **IBM GmBH** | Stuttgart, Germany, 85th Anniversary of the German Art Union, Research Project Grant, PI and Author, Corporate In-kind

1987   **Massachusetts Council for the Arts and Humanities** | Boston, Massachusetts, Artist Fellowship, *Sky Chasm*, Co-PI, Co-Author with Laura Dance Company, Competitive State Fellowship

1987   **Massachusetts Institute of Technology** | Provost Award, Documenta 8, *Sky Chasm*, Major Project Grant, Co-PI, Co-Author with Laura Dance Company, Competitive Institutional Award

1987   **Council for the Arts at M.I.T.** | Cambridge, Massachusetts, Documenta 8, *Sky Chasm*, Major Project Grant, Co-PI, Co-Author with Laura Dance Company, Competitive Institutional Award

1987   **Hughes Aircraft Corporation** | Carlsbad, California, Documenta 8, *Sky Chasm*, Research Optics Grant, PI and Author, Corporate In-kind

1987   **Documenta 8** | GmBH, Kassel, Germany, *Sky Chasm*, Major Project Commission, Co-PI, Co-Author with Laura Dance Company, Competitive International Commission

1986   **PTR Optical Corporation** | Watertown, Massachusetts, *Sky Chasm*, Research Optics Grant, PI and Author, Corporate In-kind

1986   **Council for the Arts at M.I.T.** | Cambridge, Massachusetts, *Aqua Echo*, Major Project Grant, Co-PI, Co-Author with Laura Dance Company, Competitive Institutional Award

1986   **Cambridge Reichert–Jung Optical Corporation** | Buffalo, New York, *Aqua Echo*, Research Optics Grant, PI and Author, Corporate In-kind

1986   **National Endowment for the Arts** | Washington, D.C., M.I.T. Inter-arts Project, *Desert Sun/ Desert Moon*, Major Project Commission, $85K, Co-PI with Otto Piene, Elizabeth Goldring, et. al, Competitive International Commission

1996   **American Optical Corporation** | Rochester, New York, *Photon Voice*, Research Optics Grant, PI and Author, Corporate In-kind

1986   **WETA** | Corporation for Public Broadcasting, Smithsonian World Television, Washington, D.C., *Photon Voice*, Competitive Individual Commission

Selected Reviews, Books, Media, and Reference

2016   *The Achievers,* Asian Television Network, Interview format television series featuring, including Prime Minister Justin Trudeau,
        Stephen Harper, Deepak Chopra, etc. September, 2015 – June, 2016, Toronto, Canada

2015   *The New Geography: Earth Music and Land Art, Version 2.0; Comparison #2*, Mike Maizels, Art Journal, College Art Association,
        January 26, 2015 New York, New York, http://artjournal.collegeart.org/?p=5857

2014   *Re-collection: Art, New Media, and Social Memory*, Richard Rinehart and Jon Ippolito, MIT Press, Cambridge, Massachusetts
        ISBN:978-0262027007

2012   *Hybrid: Artist + Scientist*, Dr. Mariam Shindauletova, Scientific Russia, November 15, 2012, Moscow, Russia

2012   Ontologia Dei Media, Dr. Mario Costa, Post Media Books, January 1, 2012, Milan, Italy, ISBN-10: 8874900864

2011   *Material Poet*, Wayt Gibbs, Scientific American, June 1, 2011, New York, New York

2010   *Art + Science Now*, Stephen Wilson, Thames and Hudson, London, England, ISBN: 9780500238684

2008   *Art and Electronic Media*, Dr. Edward Shanken, Phaidon Press, London, England, ISBN-13: 978-0714847825

2007   *Where High Tech Meets High Concept | DXARTS The Aesthetics of New Technology*, The Chronicle of Higher Education, February 23,
        Washington, D.C.

2006   *Artists in Labs*, Jill Scott, Springer Architecture, Vienna, Austria, ISBN: 3211279571

2006   *From Technological to Virtual Art*, Dr. Frank Popper, MIT Press, Cambridge, Massachusetts, ISBN: 026216230X

2005   *Media Corpi Saperi: Per un'estetica della formazione*, Universita' degli Studi di Napoli, M. D'Ambrosio, Napoli, Italy ISBN:
        9788846480026

2006   *Sound Argument*, The Stranger, Vol III No. 49, May 4, Seattle, Washington,

2005   *Phenomenology of New Technology Arts*, ARTMEDIA Press, Universita di Salerno, Mario Costa, Salerno, Italy

2005   *Art of the Stars*, The Stranger, Vol 11 No. 29, December 7, Seattle, Washington,

2005   *Museums and Civic Dialogue*, Case Studies from Animating Democracy, Americans for the Arts, Pam Korza, Washington, D.C. ISBN:
        13:978-1-879903-37-1

2004   *Machines: Conversations on Art and Technology*, POSTMEDIA Books, Bolognini, Maurizio, Milano, Italy

2004   *Sonic Saviors*, Popular Science Magazine, World Design Challenge Winner, Editors Choice Award, New York, New York

2003   *Clone Home*, The San Francisco Weekly, September 3, San Francisco, California

2003   *Chimera Obscura*, The Guardian, Thursday, September 18, San Francisco, California

2002   *Secrets of the Sequence*, PBS Television Program 108, Chimera Obscura, Walter Cronkite Television, June, Washington, D.C.

2002   *Wonders of Genetics Breed New Art*, New York Times, Sunday, May 26, New York, New York

2002   *Art Ponders Genome Implications*, Boston Globe, Sunday, April 7, Boston, Massachusetts

2002   *Seattle Show Brings DNA to Life*, Seattle Times, Saturday, April 6, Seattle, Washington

2001   *Information Arts, the Intersection of Art, Science and Technology*, Stephen Wilson, MIT Press, Cambridge, Massachusetts, ISBN:
        026223209X

2001   *Design Culture Now, The National Design Triennial*, Donald Albrecht and Ellen Lupton, Princeton Architectural Press, Princeton, New
        Jersey, ISBN: 1568982151

2000   *Next Generation of Digital Media Makers*, Film/Tape World Magazine, January, San Francisco, California

2000   *New Medium, New Message*, San Francisco Chronicle, February 21, San Francisco, California

1999   *Digital Dreams*, San Francisco Chronicle, December 8, San Francisco, California

1999   *New Prodigies, The American Avante Garde*, Surface Magazine, October/December, No. 20, San Francisco, California

1998   *Going for the Gold*, Wired Magazine, Feb 17, San Francisco, California,

1993   *Eat the Box*, ACE Magazine, Vol.5, No. 6, May 1, Lexington, Kentucky

1992   *Art of the Electronic Age*, Frank Popper, Thames and Hudson, London, England ISBN: 0-8109-1928-1

1992   *Primal Light*, The State, Vol. 101, No. 316 , November 22, Columbia, South Carolina

1992   *Visceral Muse*, Susan Parsons, WQTV, Television 36, Live Interview, April 15, Lexington, Kentucky

1991   *Elektronisches Gestalten in Kunst und Design*, Jurgen Claus, Rowohlt Press, Hamburg, Germany, ISBN: 3499181940

1991   *Building His Imagination*, Lexington Herald-Leader, (arts cover story), Vol.10, No. 80, March 22, Lexington, Kentucky

1991   *Poets with Power Tools*, Cincinnati Inquirer, Vol. 151, No. 44, May 23, Cincinnati, Ohio

1991   *Southern Wandering*, The State, Vol. 101, No. 266, October 3, Columbia, South Carolina

1991   *21st Century Art/Shawn Brixey at the Cutting Edge*, ACE Magazine, Vol., No. 4, July 1, Lexington, Kentucky

1991   *MECHANIKA*, Alternatives Magazine, Vol.1, No. 2, March | June, Cincinnati, Ohio

1991   *Cerebral Art*, Cincinnati Enquirer, Vol. 151, No. 89, July 7, Cincinnati, Ohio

1991   *Baffling Art*, Cincinnati Enquirer, Vol. 141, No. 52, May 31, Cincinnati, Ohio

1991   *Machine is the Medium and the Message*, Lexington Herald-Leader, Vol. 9, No. 68, June 16, Lexington, Kentucky

1990   *The New Immaterialists*, Frank Popper, Kunst Forum, Vol. 50, No.4, October, Koln, Germany

1990   *Art and Technology Works*, Attila Czaji, Mucsarnok Publishers, ISBN: 963-7402-49-7 Budapest, Hungary

1990   *ARTTRANSITON 90 MIT*, TV-2 West German Television Interview, November 3, Boston, Massachusetts

1990   *Cosmic Digital Code*, Jurgen Claus, Leonardo Magazine, Vol. 24 No. 2, London, England

1989   *Celestial Vaulting*, Detroit Free Press, Vol. 8, No. 3, November, Detroit, Michigan

1989   *Art Tech 89*, Chunichi Shimbun, November 10, Nagoya, Japan

Selected Reviews, Books, Media, and Reference (continued

1988   *Lights/Orot*, Yeshiva University Exhibition, Art News, September, Page 168-70, New York, New York)
1987   *Natur und Technologie*, Shawn Brixey und Laura Knott, WolkenKratzer, Art Journal, Vol. 4, Juni, Juli, August, Hamburg, Germany
1987   *Optische/Akustische Klang Performance*, Shawn Brixey, Wiener Magazine, Deutschlands Zeitschrift fur Zeitgeist, Juni, Koln, Germany
1987   *Deutscher Kunstlerlexicon und Archiv*, Weber und Wiedemeyer, GmbH Co. KG, Kassel, Germany, ISBN: 3-925272-14-3

Selected Public Lectures

2016   *Creativity and the Art of the Disciplined Imagination*, TEDx Vaughan, Dare to Innovate, City Hall, Vaughan, Ontario, September 23
2016   *Inspiring an Industry of Daring: How the Accelerating Convergence of Art, Science, & Technology is Changing Everything*,
       Lot Innovation Centre for Art, Technology and Manufacturing, Salon Speaker Series, Kitchner, Ontario, September 21
2016   *Creativity and the Art of the Disciplined Imagination*, York District School Board, City Hall, Markham, Ontario, May 6
2016   *Incubating Across Borders*, Lake Effects Summit + City of Chicago Mayors Office, Chicago, Illinois, May 13-15
2015   *The Art of Emulation: Pioneering Telematic Frontiers* , York Circle Lecture Series, York University, Toronto, Canada, September 26-28
2014   *Creativity and the Art of the Disciplined Imagination*, Kansas City Art Institute, Kansas City, Missouri, October 23
2014   *Creative Industries: Building Sustainable Cultures of Innovation and Entrepreneurship in the Arts*, International Conference of Fine
       Art Deans, Kansas City, Missouri, October 22-25
2012   *Pioneering New Frontiers of Creative Practice*, Carleton College, Northfield, Minnesota, December 5-9
2012   *Radiant Arc, Versonne, and Voltar*, American Institute of Architects, Lawrence Institute of Technology,
       Detroit, Michigan, November 12-16
2011   *Radiant Arc*, Museum of the North, University of Alaska, Fairbanks, Alaska, October 10-18
2010   *The Art of Emulation*, GVU Lecture Series, Georgia Institute of Technology, Atlanta, Georgia, October 26-28
2009   *Telematic Art in the 21st Century,* University of Alaska, Fairbanks, Alaska, November 8-15
2009   *Art of the Future, New Frontiers in Telematic Arts,* University of Tennessee, Knoxville, Tennessee, October 2-6
2009   *DXARTS and Inventing the Art of the Future,* Duke University, Durham, North Carolina, April 26-30
2008   *DXARTS and Inventing the Art of the Future*, National Association of Schools of Arts and Design | Annual Conference - Keynote,
       Seattle, Washington, October 10-12
2008   *Altamira and Telematic Art in the 21st Century,* Kansas City Art Institute, Kansas City, Missouri
       Distinguished Alumni Lecture, National Sculpture Conference, April 3-7
2007   *Simulation to Emulation: New Frontiers in Telematic Arts*, Society for Literature, Science and the Arts Conference, New York, New
       York, with James Coupe, November 9-12
2007   *DXARTS Pioneering the Art of the Future,* Simon Fraser University, Vancouver, BC, Canada, November 28-29
2006   *From Simulation to Emulation: New Frontiers of Telematic Art in the 21st Century*, Southern Oregon University, Ashland, Oregon,
       March 8
2006   *From Simulation to Emulation: New Frontiers of Telematic Art in the 21st Century*, IEEE Society Lecture Series, Tufts University,
       Somerville, Massachusetts, February 23
2005   *DXARTS and Inventing the Art of the Future*, HASTAC Conference, University of Washington, Seattle, Washington, September 21
2004   *DXARTS and Inventing the Art of the Future*, National Science Foundation/IGERT Lecturer, University of California, Santa Barbara,
       California, November 3-6
2004   *Dramatic Arc*, University of Washington, Freshman Orientation, Keynote Address, Seattle, Washington, August 26
2004   *DXARTS and Art of the Future*, Microsoft Research Laboratories, Redmond, Washington, May 13
2003   *Chimera Obscura and the Ghost of the Minotaur*, ATC Lectures Series, University of California, Berkeley, California, September 15
2003   *Turning Points*, University of Washington, Freshman Orientation, Seattle, Washington, August 15
2003   *Eon and the Art of Emulation*, Intel Research Laboratories, Seattle, Washington, March 15
2003   Eon and the Art of Emulation, College of Architecture and Urban Planning, Seattle, Washington, April 11
2002   020202, Conference on Social Technologies, Intel Research Laboratories, Berkeley, California, November 3
2002   *Chimera Obscura*, Media Art and Technology, University of California, Santa Barbara, January 14-15,
2001   *Eon*, San Francisco Museum of Modern Art, 010101, March 23
2000   *CRASH*, Berkeley Symposium on Critical Issues in Net Art", Speaker and Symposium, Co-Chair with Ken Goldberg, Consortium for
       the Arts, University of California Berkeley, February 16-20
2000   *Art and Biotechnology*, Keynote Speaker, International Planetworkers Conference, San Francisco, May 5-11
1998   *Art and Emerging Technology*, Keynote Address, International Technology Summit, Yerba Buena Center for the Arts, San Francisco,
       California, February 24-28
1997   *The New Media Institute*, San Francisco State University, San Francisco, California, December 4-8
1996   *Alchymeia*, San Francisco State University, San Francisco, California, December 4-8
       Virtual Culture, Bellevue Art Museum, Bellevue, Washington, December 18
1995   Computer Holography, College of Engineering, Computer Science Colloquia, University of Washington, Seattle, Washington,
       November 29
1995   Curious Miracles, College of Engineering, Computer Science Colloquia, University of Washington, Seattle, Washington, May 3
1994   *Experimental Art Forms*, Western Washington University, Bellingham, Washington, May 10

Selected Public Lectures (continued)

1993   Moderator, "*Expanding Boundaries Program*", Southeastern Colleges of Art Conference, University of North Carolina, Chapel Hill, North Carolina

1993   Technology Arts, Ohio State University, Columbus, Ohio, April 6-9

1993   Instruments of Material Poetry, California State University, Long Beach, California, March 26

1992   *Vista Genesis Projects*, South Carolina State Museum, Columbia, South Carolina, December 6

1992   *Curious Miracles*, Clemson University, Greenville, South Carolina, September 22

1991   National Association of State Art Agencies, New Art Forms, The Space Program, New York, New York, November 7-10

1990   *ARTTRANSITION 90'*, Electrophosphenes & Radical Concepts, Massachusetts Institute of Technology, Cambridge, Massachusetts, October 28

1989   *Celestial Vaulting*, Cranbrook Academy of Art Museum, Bloomfield Hills, Michigan November 17-19

1988   *Leonardo Fellowship Inauguration Lecture*, School of Art, University of Michigan, Ann Arbor, February 4

Recent Collaborators

Dr. Wolfgang Stuerzlinger (Simon Fraser University), Dr. Janine Marchessault (York University) Associate Dean Micheal Longford (York University), Dr. Carol Diebel (University of Alaska Fairbanks), Dr. Erin Petit (University of Alaska, Fairbanks), Richard Rinehart (UC Berkeley), Dr. Maurine Montagnat (LGGE), Laboratoire des Sciences du Climat et de l'Environnement (LSCE), Dr. Marta DeMenezes (Imperial College of Science, Technology and Medicine in London)

PhD Students at UW (past 48 months)

(Committees Chaired) J. Coupe, A. Kudla, M. Petric, (Committee Member) E, Trezbac, H, Raikes, T. Rice, H. Lee, R. Twoney