

## Carol LaFayette, MFA

Harold L. Adams '61 Interdisciplinary Professor

Department of Visualization

Director, Institute for Applied Creativity

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### Education

1991 MFA, State University of New York at Buffalo / Visual Studies Workshop

1981 BFA, Design, University of Washington, Seattle, *magna cum laude*

### Awards and honors

2015 - present Harold L. Adams '61 Interdisciplinary Professor in Visualization

2018 Global Independent Film Awards, Silver Award in Environmental film category

College Level Award for Distinguished Teaching

2016 *Honoris Causa* Honorary Doctorate of Fine Arts, Moore College of Art and Design, Philadelphia

Microsoft HoloLens Faculty Developer

2010 J. Thomas Regan Interdisciplinary Faculty Prize, College of Architecture, Texas A&M

2004 Gold Remi Award, Historical Shorts, WorldFest, Houston

Silver Shoestring Award, Rochester International Film and Video Festival

Artists' Showcase Award, Manhattan Arts International

Honorable Mention, Best Experimental Short, International Festival of Cinema and Technology

2003 College Level Award for Distinguished Teaching, Texas A&M University

### Membership in professional societies

International network for Sciences, Engineering, Arts and Design ([SEAD](#))

### Academic experience

2015 - present Harold L. Adams Interdisciplinary Professor in Visualization

2014 - present Professor, Department of Visualization

2012 - present Director, Institute for Applied Creativity

2005 - 2014 Associate Professor, Department of Visualization

2005 - 2012 Chair, College of Architecture Artist in Residence Program

2009 - 2010 Associate Department Head, Department of Visualization

1999 - 2005 Assistant Professor, Department of Visualization

1997 - 1999 Dean, School of Media Arts, Art Institute of Atlanta

1995 - 1997 Director of Technology, Art Institute of Atlanta

1993 - 1995 Faculty, School of Design, Art Institute of Atlanta

1993 - 1995 Creative Director, Square One Honor Studio, Art Institute of Atlanta

1990 - 1992 Adjunct Professor, Rochester Institute of Technology; New York State College at Alfred University; State University of New York; and The Visual Studies Workshop, Rochester

### Other experience

2007 Visiting Artist, Parsons New School, New York

2001 Artist in Residence, Hungarian Multicultural Center, Balatonfüred, Hungary

1989 - 1991 Staff, *Afterimage*, Journal of Film, Video and Photography, Rochester, NY,

1988 Manager, Community Access Media Center, Rochester, NY

1985 – 1988 Co-Founder and Co-Director, Motodada Gallery, Gainesville, FL

### **Artwork in permanent collections**

Museum of Modern Art, New Museum of Contemporary Art, The Getty Center, Printed Matter, Art Metropole, Monash Library, Grahame Galleries, Visual Studies Workshop

### **Selected exhibitions, screenings, and installations**

- 2018 Silver Award in Environmental Film, Global Independent Film Awards
- 2017 Balance-Unbalance, Plymouth, UK
- 2012 Science Art 2012, Moscow
- 2011 Luleå Art Biennial, Sweden  
New Century Artists' Gallery, New York
- 2010 Duna Gallery, Budapest
- 2009 SIGGRAPH, New Orleans
- 2008 SIGGRAPH Los Angeles
- 2007 Sound Art Space, Laredo  
Victory Media Arts Network, Dallas
- 2006 State of the Image New Media Festival, Netherlands  
Optica Festival, Spain  
Hunter Museum of American Art  
Kellogg University Art Gallery
- 2005 Ernst Museum, Budapest  
Sheffield Independent Film Festival, UK  
L.A. Freewaves Celebration of Experimental Media Arts
- 2004 International Festival of Cinema and Technology World Tour  
Zebra Poetry on Film, Berlin  
Filmstock, UK.  
Moondance International Festival  
Oxford Film Festival  
Manhattan Arts International
- 2003 Gallery 825, Los Angeles  
Icebox Gallery, Minneapolis  
Aurora Picture Show, Houston  
Lancaster Film and New Media Festival, UK  
Solomon Projects, Atlanta  
Soho20 Gallery
- 2002 SIGGRAPH, San Antonio  
Independent Exposure, Microcinema International  
New York International Independent Film and Video Festival  
Gallery Lombardi, Austin  
Space Gallery, New Orleans
- 2001 Visual Arts Alliance, Houston
- 2000 Lowell Street Gallery, Cambridge  
Texas National 2000, Nacagdoches
- 1999 Nexus Contemporary Art Center, Atlanta

### External funding

- 2016 "Pecha Kucha Bryan," at the Grand Stafford Theater; private donations, \$2,000. annually
- 2015 Microsoft HoloLens Research Award, PI, \$12,000.
- 2014 Linda Cabot Foundation, "Oceans Awareness STEAM Competition." \$5000.
- 2013 National Endowment for the Arts and The Smithsonian Institution, "SEAD Conference," \$3000.
- 2011 National Science Foundation. EAGER: Network for Sciences, Engineering, Arts and Design (NSEAD). Grant No. 1142510, IIS, Human Centered Computing. PI. 190,000 of 280,000 collaborative award. CoPIs Carol Strohecker, University of North Carolina system; Gunalan Nadarajan, Research Provost, Maryland Institute College of Art. Peer reviewed.
- 2010 Texas Film Commission, "Vizlab Educators' Workshops and VizKidsCamp," PI, \$13,750.
- 2009 Texas Film Commission, "K-12 Educators' workshops," PI, \$7000., additional \$7800. in enrollment.

### Publications

- 2018 Carol LaFayette, André Thomas, Schaefer Mitchell, and Fermi Perumalil, National Academies Keck Futures Initiative. *Collaborations of Consequence: NAKFI's 15 Years Igniting Innovation at the Intersections of Disciplines*. National Academies Press, 2018, 407. [Website](#)
  
- Roger Malina, Carol Strohecker, Robert Thill, Nicola Triscott, Robert Root-Bernstein, Carol LaFayette, and Alex Garcia Topete, "Gallery of Illuminating and Inspirational Integrative Practices in Higher Education," in National Academies of Sciences, Engineering, and Medicine. *The Integration of the Humanities and Arts with Sciences, Engineering, and Medicine in Higher Education: Branches from the Same Tree*. National Academies Press, 2018. ISBN 978-0-309-47061-2 | DOI 10.17226/24988 [One of five "Most Downloaded Reports, 2018, NAP] [Website](#)
  
- 2015 Roger Malina, Carol Strohecker, and Carol LaFayette, eds., *Steps to an Ecology of Networked Knowledge and Innovation: Enabling New Forms of Collaboration among Sciences, Engineering, Arts, and Design*, (Cambridge: MIT Press: 2015). E-ISBN: 978-0-262-75863-5. ISAST. Creative Commons Attribution-NonCommercial 4.0 International license (CC BY-NC 4.0), Accessed March 15, 2017. [Website](#)
  
- 2010 Carol LaFayette, Frederic Parke, and Philip Galanter, "Immersive Experiences for Museums," In J. Trant & D. Bearman (Eds.), *Museums and the Web 2010: Selected Papers from an international conference*, (pp. 127-134). [Website](#)
  
- 2009 Carol LaFayette, "atta, palindrome," *Creative Data: Visualization, Augmentation, Telepresence and Immersion*, Leonardo Electronic Almanac, 2009, 16, 6 – 7. [Website](#)
  
- 2008 Carol LaFayette, Frederic Parke, Carl Pierce, Tatsuya Nakamura, and Lauren Simpson, "Atta Texana Leafcutting Ant Colony: a View Underground," *Science in 3D, Proc. ACM SIGGRAPH 2008 Talks*. Article No. 53., with supplemental materials. [Website](#)

### Presentations, lectures, and workshops

- 2017 Carol LaFayette, "Wilderness," Art, Music, and Technology conference, San Diego Art Institute, February.
  
- 2016 Carol Strohecker, Roger Malina, Robert Thill, and Carol LaFayette, "Cultivating an Ecology of Networked Knowledge and Innovation through Collaborations among the Sciences, Engineering, Arts, and Design," College Art Association Annual Conference, February.

- 2015 "Integrating Education in the Arts and Humanities with Education in Science, Engineering, Technology, and Medicine," Hosted by the Board on Higher Education and Workforce of the National Academies of Sciences, Engineering, and Medicine, Washington, DC, December.
- "Conference on Art and Science, Engineering, and Medicine Frontier Collaborations: Ideation, Translation & Realization," Keck Futures Conference, National Academies, Irvine, November.
- 2014 Curator, "STEAM Pavilion," USA Science & Engineering Festival, Washington D.C. April.
- "Engineering Phase I Ideas Labs on Undergraduate STEM Education," National Science Foundation. March.
- 2013 Carol LaFayette and 12 SEAD network members, "Networking Sciences, Engineering, Arts and Design to Confront the Hard Problems of our Time," Washington, DC. Co-sponsored by the National Science Foundation, The Smithsonian Institution and The National Endowment for the Arts. Washington DC. April.
- 2012 Carol LaFayette and Roger Malina, "SEAD Network." Scientists/Artists Research Collaborations (SARC), Santa Fe Institute, New Mexico, featured event, Inter Society for the Electronic Arts (ISEA) Festival, Los Alamos. September.
- 2011 Carol LaFayette, Gunalan Nadarajan, and Carol Strohecker. "Formation of Network for Sciences, Engineering, Arts, and Design (SEAD)," Maryland Institute College of the Arts, Baltimore, November.
- Carol LaFayette, Carol Strohecker, and Gunalan Nadarajan, "Formation of Network for Sciences, Engineering, Arts, and Design (SEAD)," Center for Design Innovation, Winston Salem, September.
- "Establishing a Network of Excellence for Art+Science+Technology Research: Infrastructural and Intellectual Foundations," NSF sponsored workshop. Rensselaer Polytechnic Institute, March.

### Reviews, interviews, and media coverage

- 2017 LaFayette, Parke, about the *atta* project, in MacNeal, David. *Bugged: The Insects Who Rule the World and the People Obsessed with Them*. St. Martin's Press, 2017, 33-34. [Website](#)
- 2013 Mention and image of *atta* project, in Peddie, Jon. *The history of visual magic in computers: How beautiful images are made in CAD, 3D, VR and AR*. Springer Science & Business Media, 2013, 385.
- 2011 Stefan Spjut, "Formica, quo vadis?" *Norrbottens-Kuriren*. June 30, 18, feature article on Atta tunnel project, Luleå Art Biennial (LAB '11), Luleå Sweden
- 2009 Jason Palmer, "Tech gives humans animal senses," *BBC Technology News*, Fri. Aug. 7. [Website](#)
- 2008 Laura Marshall, "A Bridge Between Worlds," *Biophotonics International*, Oct. 56-57. [Website](#)
- Jason Palmer, "Exploring the Virtual Ant Colony," *BBC Technology News*, Aug. 18. [Website](#)
- 2007 Matt Hames, Director, "State of Tomorrow," A television series on higher education and research aired on PBS stations throughout Texas, 2007. Alpheus Media and the UT Foundation. (time code 3:16 - 4:30). Episode "Visualizing the Future" interview on *atta* project, 1 min. 23 sec. (from 3:20). [Website](#)
- 2005 Susan W. Knowles, "Atta," *Number, an Independent Journal of the Arts*, 52, Summer, 15. [PDF](#)
- 1991 Nancy Princethal, "Artists' Book Beat," *The Print Collectors' Newsletter*, XXII, Nov.-Dec., 178.