

Scott Draves Résumé

art awards and exhibitions

- 2008.02 Electric Sheep in MoMA exhibition website for Design and the Elastic Mind.
- 2007.11 Dreams in High Fidelity at Queens Museum of Art for Burning Man Decompression.
- 2007.07 The Firebird in DomeFest, LodeStar Planetarium, Albuquerque.
Received Harmony Channel Award and Director's Special Spirit Award.
- 2007.05 Dreams in High Fidelity in Love's Secret Domain at 3rd Ward, Brooklyn.
- 2007.04 Star Oasis in Visual Music Marathon, Northeastern University, CyberArts Festival, Boston.
- 2006.10 Dreams in High Fidelity in Píksel, Bergen Norway.
- 2006.08 HiFiDreams in Siggraph Art Gallery, Boston.
- 2006.06 HiFiDreams in NY Digital Salon's Visual Music show, SVA Chelsea, New York City.
- 2006.06 HiFiDreams exhibited at International Animated Film Festival, Annecy France.
- 2005.04 Electric Sheep nominated for Webby Award, New York City.
- 2004.08 Electric Sheep in Siggraph Art Gallery, Los Angeles.
- 2004.06 Electric Sheep in GenArt NewFangle exhibition, San Francisco.
- 2004.02 Electric Sheep Jury Recommendation from ACA Media Arts Festival, Tokyo.
- 2003.04 Lightrhythm Visuals publishes Electric Sheep VJ single, San Francisco.
- 2002.10 Electric Sheep exhibited at ArtFUTURA, Barcelona.
- 2001.11 Electric Sheep receives 1st place from the jury at Life/Vida 4.0, Madrid.
- 1999.02 Bomb wins Prix du Public and 3rd place by the jury at Life/Vida 2.0, Madrid.
- 1993.04 Flame #149 wins Honorable Mention at Prix Ars Electronica, Linz Austria.

invited lectures

- 2007.11 BoBo Gallery, The Media Arts Project, Asheville.
- 2006.11 Digital and New Media Department, UC Santa Cruz.
- 2006.09 Google Tech Talk, Mountain View.
- 2006.03 Parsons School of Design, New York.
- 2006.03 ITP, NYU, New York.

2005.11 San Francisco Art Institute.

2005.10 National Institute of Advanced Industrial Science and Technology, Tokyo.

2005.05 Berkeley Center for New Media.

2005.02 Planetnetworks Forum, New York City.

2004.02 O'Reilly Emerging Technology Conference, San Diego.

2001.11 MIT Media Lab, Cambridge.

1997.04 Santa Fe Institute.

1995.05 Microsoft Research Labs, Seattle.

media exposure

2008.01 Electric Sheep on cover of Leonardo 41:1.

2007.08 Siggraph announces 2008 conference-wide graphic identity based on Electric Sheep.

2006.12 HiFiDreams installation into the Googleplex covered by Wired Online and ValleyWag.

2006.07 HiFiDreams on front page of CNet's News.Com.

2005.09 Electric Sheep in back-story of new prime-time CBS show Threshold.

2004.08 Discover Magazine runs one page story on Electric Sheep.

2004.07 The New Yorker Magazine covers Dorkbot presentation in The Talk of the Town.

2002.05 BPM Magazine reviews Bomb.

2001.05 Wired Magazine runs two-page spread of Flame #148 and Electric Sheep.

VJ performances

2007.02 Danger Party, Brooklyn.

2006.10 SFLNC Benefit, Supperclub, San Francisco.

2005.12 The Studio at the Palms, Los Vegas.

2005.02 Paul Graham's Focus Celebration, Boston.

2004.10 Synapse at Monroe's, Los Angeles.

2004.08 Camps Disorient, Sol System, Green Gorilla, and Planet Wow at Burning Man.

2004.05 Children of Sound at Volume, with Alladin Productions, Brooklyn.

2004.05 Ascension at 1015, San Francisco.

2003.11 Private Party at Warehouse 23, Boston.

2002.06 Sonar main stage, with Carl Cox as a guest of Bluespoon, Barcelona.

2000.04 Mozilla Party 3.0 at The Sound Factory, San Francisco.

1997.03 Shelter, with Derrick Carter, Chicago.

refereed publications (artistic)

2004.08 The Electric Sheep Distributed Screen-Saver; SIGGRAPH Sketch.

2003.05 The Interpretation of Dreams; YLEM, Volume 23 #6.

2000.05 Metaprogramming Emergent Graphics; YLEM, Volume 20 #6.

1999.11 First Iteration, Conference on Generative Systems and Electronic Art at Monash University; Inside the Bomb (video documentary).

1997.02 6th Annual Biennial Symposium on Arts and Technology at Connecticut College; In Transit (live performance with graphics); Roger Dannenberg and Scott Draves.

refereed publications (scientific)

2008.04 International Journal of Bifurcation and Chaos; The Aesthetics and Fractal Dimension of the Electric Sheep. Scott Draves, Ralph Abraham, Pablo Viotti, Fred Abraham, Clint Sprott.

2007.12 Art of Artificial Evolution, Springer; Juan Romero and Penousal Machado (Editors); Evolution and Collective Intelligence of the Electric Sheep (Chapter by Scott Draves).

2006.06 ACM Non-Photorealistic Animation and Rendering; The Electric Sheep and their Dreams in High Fidelity; Scott Draves (invited keynote).

2005.03 Applications of Evolutionary Computing, Springer LNCS 3449; The Electric Sheep Screen Saver: A Case Study in Aesthetic Evolution; Scott Draves.

1998.09 ACM Surveys; Partial Evaluation for Media Processing; Scott Draves.

1997.06 International Conference on Functional Programming; Implementing Bit-addressing with Specialization; Scott Draves.

1990.09 Eurographics Workshop on Animation and Simulation Lausanne; Integration of High Level Animation Controls, Simulation Methods, and Gestural Specification; Zeleznik et al.

education

1990.09—1997.07 Carnegie Mellon University, PhD in Computer Science.

Thesis title: Automatic Program Specialization for Interactive Media.
Thesis advised by Peter Lee. Originally advised by Dana Scott and Andy Witkin.

1986.09—1990.05 Brown University, ScB in Mathematics.

Graduated Magna cum Laude and with Honors.
Worked in Andy van Dam's graphics lab.
Thesis advised by Thomas Banchoff.

feature film credits

2004.05 Shrek 2 (under Research & Development)

employment

2007.09—2007.12 Parsons School of Design, Adjunct Faculty.

Taught programming in the Communication Design and Technology Dept.

2003.03—2004.03 PDI/DreamWorks, Generalist in the R&D Department.

Developed proprietary 3D animation software for feature films.

1999.12—2000.10 FastForward Networks, Senior Software Engineer,
2000.10—2001.09 Inktomi Corporation (by acquisition).

Internet startup doing broadcast streaming media distribution.
Server and protocol development, integration, demos and ideas.
Conceived and implemented graphical network management user interface.
Lead support for mp3 format.

1997.07—1999.08 Transmeta Corporation, Member of Technical Staff, Santa Clara.

Software engineer at fabless VLSI design company.
Virtual Pentium-compatible hardware hosted on VLIW chip.
Simulation and debugging systems, performance optimization.
Brought up the first chip back from the fab.