

CASEY REAS

b. 1972

Lives and works in Los Angeles, California

BIOGRAPHY

The ongoing *Process* series by Casey Reas explores the relationship between naturally evolved systems and those that are synthetic. The imagery evokes transformation, and visualizes systems in motion and at rest. Equally embracing the qualitative human perception and the quantitative rules that define digital culture, organic form emerges from precise mechanical structures. Reas' software, prints, and installations have been featured in numerous solo and group exhibitions at museums and galleries in the United States, Europe, and Asia.

In January 2011 Casey Reas and collaborator Tal Rosner completed a permanent commission for the New World Center in Miami. A site-specific digital mural, *Chronograph*, is shown daily on the New World Symphony's façade in Miami Beach from dusk to midnight. The *Chronograph* wall features 365 compositions, which originated from thousands of photographs taken during the construction of the building, as well as images of local architecture.

Casey Reas is the recipient of a 2008 Tribeca Film Institute Media Arts Fellowship (supported by the Rockefeller Foundation). Commissioned to create work for the Whitney Museum's ArtPort collection online in 2004, Reas is also the recipient of the 2005 Golden Nica from the Prix Ars Electronica. Cited in the 2008 *ArtReview* Power 100, his images have also been featured in various publications including *The New York Times*, *The International Herald Tribune*, *Print*, *Eye*, *Technology Review*, and *Wired*.

Based in Los Angeles, C. E. B. Reas has exhibited, screened, and performed his work internationally in galleries and museums including Institute for Contemporary Art, London; New Museum for Contemporary Art, New York; P.S.1 Contemporary Art Center, New York; Museum of Contemporary Art, North Miami; Museum of Modern Art, Shanghai; Victoria and Albert Museum, London; Institute for Contemporary Art, Boston; Laboral, Gijon, Spain; Cooper-Hewitt National Design Museum, New York; The Dallas Contemporary; Fabric Workshop and Museum, Philadelphia; National Museum for Art, Architecture and Design, Oslo; Contemporary Arts Museum, Houston; Mary and Leigh Block Museum of Art at Northwestern University; Seoul Museum of Art; Royal Academy of Arts, Stockholm; Eyebeam, New York; CCCB, Barcelona; STUK, Leuven; iMAL Center, Brussels; Daelim Museum, Seoul; NTT ICC, Tokyo; ZKM, Karlsruhe; bitforms gallery, New York and Seoul; Telic, Los Angeles; <>TAG, The Hague; the Danish Film Institute, Copenhagen; and Künstlerhaus, Vienna, among other venues.

Reas is a professor at the University of California, Los Angeles. He holds a masters degree from the Massachusetts Institute of Technology in Media Arts and Sciences as well as a bachelors degree from the School of Design, Architecture, Art, and Planning at the University of Cincinnati. With Ben Fry, Reas initiated Processing in 2001. Processing is an open source programming language and environment for creating images, animation, and interaction.

With Chandler McWilliams and Lust, Reas *published Form+Code in Design, Art, and Architecture* (Princeton Architectural Press, 2010), a non-technical introduction to the history, theory, and practice of software in the arts. In 2007 Casey Reas and Ben Fry published *Processing: A Programming Handbook for Visual Designers and Artists*, a comprehensive introduction to programming within the context of visual media (MIT Press).

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EDUCATION

- 2001 Master of Science in Media Arts and Sciences. Massachusetts Institute of Technology (MIT), Media Laboratory, Aesthetics & Computation Group
- 1996 Bachelor of Science in Design, University of Cincinnati, College of Design, Architecture, Art, and Planning (DAAP)

AWARDS, COMMISSIONS & RESIDENCIES

- 2012 Anderson Ranch Arts Center, Aspen Cp. *Expanded Cinema Workshop*
- 2011 *Chronograph*, New World Center, Miami, FL (with Tal Rosner), exterior mural
Signals, MIT Building 76, Cambridge, MA (with Ben Fry)
Osher Fellowship, Exploratorium, San Francisco, CA
- 2008 Tribeca Film Institute Media Arts Fellowship, supported by the Rockefeller Foundation
- 2005 Prix Ars Electronica, Golden Nica for *Processing.org*
- 2004 *{Software Structures}*, Whitney ArtPort

SOLO AND TWO-PERSON EXHIBITIONS

- 2013 BCA Center, Burlington, VT
- 2010 *Compendium 2004-2010*, DAM, Berlin, Germany
- 2009 *Code and Form: C. E. B. Reas and Marius Watz*, Pittsburgh Center for the Arts, Pittsburgh, PA
Transfers and Actions, Mejan Labs, Royal Academy of Fine Arts, Stockholm, Sweden
- 2008 *Process / Form*, bitforms gallery, New York
- 2007 *The Protean Image*, <>TAG, The Hague, The Netherlands
Austin Heitzman and Casey Reas: Microstates, James Edward Carlos Gallery, University of The South, Sewanee, TN
Tissue Collection, collaboration with 1 of 1 Studio, Concrete Image, Amsterdam, The Netherlands
- 2006 *C. E. B. Reas & Suzung Kim*, bitforms gallery, Seoul, Korea
- 2005 *Natural*, Bank, Los Angeles
Process / Drawing 2, DAM, Berlin
Process/Drawing, bitforms gallery, New York
- 2004 *TI*, Telic Arts Exchange, Los Angeles, CA
- 2002 *Casey Reas/Golan Levin*, bitforms gallery, New York

GROUP EXHIBITIONS

- 2012 *Random Access: Data as Art*, Montserrat Gallery, Montserrat College of Art, Beverly MA
- 2011 *Decode*, Design Museum Holon, Israel. Organized by the Victoria & Albert Museum, London, UK
Decode, The Garage Center for Contemporary Culture, Moscow, Russia
Deep Surface, Contemporary Art Museum, Raleigh, NC
Seeing/Knowing, Graham Gund Gallery, Kenyon College, Gambier, OH
Ornamental Structures, Stadtgalerie Saarbrücken, Germany
Eyo Festival, Minneapolis MN
File Type, Gallery 400, Chicago, IL
- 2010 *Code:Craft*, Millennium Gallery Sheffield, UK
Process as Paradigm, LABoral, Gijon, Spain
E-volve, Gallery [DAM]Cologne, Germany
Quotidian Architectures, Collaboration with davidclovers, 12th International Architecture Exhibition, La Biennale di Venezia, Hong Kong Institute of Architect, Hong Kong, China
Decode, Museum of CAFA, Beijing. Organized by the Victoria & Albert Museum, London, UK
Immuring, SCI-Arc Gallery, Collaboration with davidclovers, Los Angeles, CA

- 2009 *Abstract Cinema*, Museum of Contemporary Art, North Miami, FL
Decode: Digital Design Sensations, Victoria and Albert Museum, Porter Gallery, London, UK
OPEN, Gray Area Foundation for the Arts San Francisco, CA
Art and Electronic Media, bitforms gallery, New York
Scalable Relations, BEALL Center for Art + Technology at UC Irvine, Irvine, CA
Collider: Interactivity and New Media, Emily Davis Gallery, Myers School of Art, Akron, OH
Incognito, Santa Monica Museum of Art, Santa Monica, CA
Loops, MIT Museum, Cambridge, MA
Vida_Origen, Museu del Montsià. Amposta, Spain
I'll be your mirror, BANK gallery, Los Angeles, CA
HelloWorld.show, CreateHere, Chattanooga, TN
- 2008 *Matters of Sensation*, Artists Space, New York
5th Seoul International Media Art Biennale, Seoul, Korea
eLandscapes, Zendai Museum of Modern Art, Shanghai, China
Space, Color, Motion, Block Museum, Northwestern University, Evanston, IL
Imaging by Numbers, Block Museum, Northwestern University, Evanston, IL
Design Life Now: National Design Triennial, Contemporary Arts Museum, Houston, TX
Holy Fire, iMAL Center, Brussels, Belgium
Impermanent Markings, Pratt Manhattan Gallery, New York
Live Arts Fringe festival, Philadelphia, PA
- 2007 *Scriptedbypurpose*, FUEL Collection, Philadelphia, PA
Design Life Now: National Design Triennial, Institute of Contemporary Art, Boston, PA
Ephemeral: Explorations in Light, Claremont Museum of Art, Claremont, CA
bitforms gallery, New York
- 2006 *Design Life Now: National Design Triennial*, Cooper-Hewitt National Design Museum, New York
Cybernetic Sensibility, Daelim Museum, Seoul, Korea
Further Processing, Kunstverein MEDIENTURM, Graz, Austria
Interferenze, New Arts Festival, San Martino Valle Caudina, Italy
Drawing / Painting / Sketching, CCCB, Barcelona, Spain
Drawing Conclusions on the Wall, Chapman University, Orange, CA
ARTEFACT, STUK, Leuven, Belgium
Software Art Space, Decordova Museum, Lincoln, MA
Faculty Exhibition, UCLA, Los Angeles, CA
- 2005 *Bioart*. Gallery António Prates, Lisbon, Portugal
SWARM, Fabric Workshop and Museum, Philadelphia, PA
Generator.x. National Museum for Art, Architecture and Design, Oslo, Norway
Thick Works. Betty Rymer Gallery, School of the Art Institute of Chicago, Chicago, IL
Abstraction Now in White Noise, Australian Centre for the Moving Image, Melbourne, Australia
Moving Pictures, Dallas Center for Contemporary Art, Dallas, TX
Inaugural Exhibition, bitforms gallery, Seoul, Korea
SónarClub. Sónar, Barcelona, Spain
8 Abstractions, Now, À La Carte Digital Art, Sónar, Barcelona, Spain
Lines and Curves, LIMN Gallery, San Francisco, CA
Generative X @ onedotzero, Institute of Contemporary Arts, London, UK
Visions for Education, Benesse Square, Okayama, Japan
Rhizome ArtBase 101, New Museum of Contemporary Art, New York
Beecher Center, Youngstown, OH
05 TDC Exhibition, Ginza Graphics Gallery, Tokyo
Exit Festival, Créteil, France
Exposition Inventeurs! Via Festival International, Maubeuge, France
Artware3, Instituto Cultural Peruano Norteamericano, Lima, Peru
- 2004 *Art Life*, Seeing Gallery, San Francisco Exploratorium, San Francisco, CA
Touch and Temperature, Deborah Colton Gallery, Houston, TX
Sonic Acts X, Paradiso, Amsterdam, The Netherlands
L'Espace temporal, Ars Electronica Festival 2005, Linz, Austria
Digital Selections, Kendall College of Art and Design Gallery, Grand Rapids, MI
Interact1, London College of Communication, London, UK
NewSchool 9 Reactive/Creative, NTT ICC, Tokyo, Japan
Algorithmic Revolution, ZKM, Karlsruhe, Germany
Microwave International Media Art Festival, Hong Kong, China
Siggraph 2004 Art Gallery, Los Angeles, CA
Runtime Art, Multimedia Institute, Zagreb, Croatia
Touch and Temperature, bitforms gallery, New York
Artport, Whitney Museum of American Art, New York
À La Carte Digital Art, Sónar, Barcelona, Spain

- 2003 *This is Today*, Triennale, Palazzo dell'Arte, Milan, Italy
Softwarekunst, DAM & Transmediale'04, Berlin, Germany
Seven Wonders, Chromosome Gallery, Berlin, Germany
- 2002 Uijeongbu International Digital Art Festival, Seoul, Korea
Cluster, Mole Antonelliana, Turin, Italy
CODE, Ars Electronica, Linz, Austria
Abstraction Now, Künstlerhaus Wien, Vienna, Austria
l'esperienza del domain, Interaction Design Institute Ivrea, Ivrea, Italy
Danish Film Institute, Copenhagen, Denmark
X/AniMate at REMOTE, New York
Private Tundra, Los Angeles, CA
Amoda, Austin, TX
Translations/Transgressions, University of Rhode Island, Kingston, RI
Work in Progress, Interaction Design Institute Ivrea, Ivrea, Italy
Collision, MIT, Cambridge, MA
- 2001 *Inaugural Exhibition*, bitforms gallery, New York
Interaction '01, IAMAS, Ogaki, Japan
Animations, P.S.1, QNew York
Workspheres, Museum of Modern Art, New York
- 2000 *New York Digital Salon*, New York
Projects from the ACG, Cooper Union, New York
Print on Screen, Ars Electronica Center, Linz, Austria
Expanded Entertainment, American Museum of the Moving Image, New York
Siggraph 2000 Art Gallery, New Orleans, LA
FuturExpress, Sega Joypolis, Tokyo, Japan

PUBLICATIONS

- 2010 Reas, Casey and McWilliams, Chandler, Form + Code in Design, Architecture, and Art, Princeton Architectural Press
- 2008 Reas, Casey, and Fry, Ben, Getting Started with Processing, O'Reilly Media
- 2007 Reas, Casey, and Fry, Ben, Processing: A Programming Handbook for Visual Designers and Artists, MIT Press, Boston
- Reas, C. E. B., "Beyond Code," in Burke, Anthony and Tierney, Therese (ed.), Network Practices: New Strategies in Architecture and Design, Princeton Architectural Press, New York
- 2006 Reas, C. E. B., "Process/Drawing," in Silver, Mike (ed.), *Programming Cultures: Architecture, Art and Science in the Age of Software Development Architectural Design*, Wiley-VCH
- Reas, C. E. B., "Who are the Progenitors of the Contemporary Synthesis of Software and Art?" in Altena, Arie and van der Velden, Lucas (eds.), The Anthology of Computer Art, Sonic Acts Press, Amsterdam
- Reas, Casey, "Processing: Programming for the Media Arts," *AI & Society Journal*, Springer, London
- Reas, Casey, "Processing Code," in Fishwick, Paul (ed.), Aesthetic Computing, MIT Press, Boston
- 2005 Reas, C. E. B., "MicroImage," A Minima 9, Espacio Publicaciones, Spain
- 2004 Reas, Casey, "The Language of Computers," in Maeda, John (ed.), Creative Code, Thames & Hudson, London
- Reas, Casey, "{Software} Structures," in Goriunova, Olga and Shulgin, Alexei (eds.), Read Me, Software Art & Cultures, University of Aarhus Press, Aarhus, Denmark
- Reas, Casey, "Programming Media," *InterCommunication*, no. 47, Winter, ICC
- Pfaffenbichler, Norbert and Droschl Sandro (eds.), *Abstraction Now*, Künstlerhaus Wien, Vienna
- 2003 Reas, Casey, "Programming Media," in Ars Electronica 2003: CODE: The Language of Our Time, Hatje Cantz Verlag
- Beeke, Anthon et al., AREA, Phaidon
- Klanten, R., et al Übersee 2: From Surface Into Space, Die Gestalten Verlag
- 2002 Reas, Casey, "Behavioral Kinetic Sculpture" in *The Art of Programming*, Sonic Acts Press, Amsterdam

BIBLIOGRAPHY

- 2011 Swed, Mark, "Dispatch from Miami: New World Symphony Center preview", *LA Times*, Jan 26
Tommasini, Anthony, "Airy Home for Music and Its Fans" *The New York Times*, Jan 26
"Photo Essay: The New World Center", *PBS News Hour*, Jan 25
The Creators Project Interview, <http://www.thecreatorsproject.com/creators/casey-reas>
- 2010 Waelder, Pau, "Media art and the art market (II)", *Art.Es*, No 39-40, pp. 115-117
Rawsthorn, Alice, "The Invincible Book Keeps Reinventing Itself," *The New York Times*, Oct 24
Laforet, Anne, "Art Numérique et Conservation," *MCD*, pp. 20-21, Mar-Apr
O'Brien, Danny, "A programming language aimed at real people," *Irish Times*, Jan 22
Soutar, Ian, "The art of the possible for digital curators," *Sheffield Telegraph*, Jan 21
"Process as Paradigm," LABoral Catalog
Rawsthorn, Alice, "A Master of Image and Information", *The New York Times*, Oct 10
- 2009 Vogel, Traci, "Grey Area's new gallery hopes to cast light on an underserved neighborhood," *SF Weekly*, Oct 19
Shiffman, Daniel. "Interview with Casey Reas and Ben Fry", *Rhizome*, Sep 23
Mary and Leigh Block Museum of Art, *Annual Report 2007-08*
Shinn, Dorothy, "Visitors can interact with art at UA exhibit," *Akron Beacon Journal*, Sep 20
Levy, Steven, "Steven Levy on the Answer Engine, a Radical New Formula for Web Search," *Wired*, May
Thomas, Mary, "Retrospective focuses on complex, emotional videos by Tapia-Urzua," *Pittsburgh Post-Gazette*, Apr 9
Shaw, Kurt, "Animal Imagery Speaks Out," *Pittsburgh Tribune-Review*, Feb 18
Jablonka, Eva, "Extending Darwinism," *SEED*, Jan
- 2008 Mark, Roseann (ed.), Around the Block: Activities of the Mary and Leigh Block Museum of Art, Northwestern University, Winter
Goodall, Hurley, "The Computerized Artist," *Chronicle of Higher Education*, Feb
Artner, Alan G., "Feast for the eyes and mind," *Chicago Tribune*, Jan 31
Weinberg, Lauren, "Bit by bit, putting it together," *Time Out Chicago*, Jan 24
- 2007 "Casey Reas," *Neural*, pp. 40-43, Winter
Binshtock, Avital, "Inland Art Empire," *art ltd.*, p. 66, Nov
Friedman, Thomas L., "The Power of Green," *The New York Times Magazine*, p. 49, Apr 15
Esquire North: A New View, pp. 32, 55
- 2006 Hwang, You-mee, "Cutting-edge Art Experiments with New Media," *The Korea Herald*, Oct 17
Jana, Reena. "Getting Connected," *Art + Auction*, pp. 138-143, Jun
Morgan, Robert, bitforms gallery catalog
Second Natures, ed. Christiane Paul et al., The Regents of the University of California, Los Angeles, 2006. essay excerpt, pp. 9-10
Bloemink, Barbara, Hodge, Brooke, Lupton, Ellen and McQuaid, Matilda, *Design Life Now: National Design Triennial 2006*, Cooper-Hewitt
- 2005 Quaranta, Domenico, "LeWitt's Ideal Children," *Arte e Critica*, Issue 44, Dec
"Design Talk: Casey Reas. Processing," *Computer Arts*, May
Baker, R. C., "Show World," *Village Voice*, Mar 22
Petersen, Andrea, "Art for When There's Nothing on TV," *The Wall Street Journal*, Feb 16
Franzreb, Danny, "Programming for Designers Who Think They Can't Do It," *IdN*, vol. 12, no. 2
Kerlow, Isaac, Foundation Art, John Wiley & Sons
Rucker, Rudy, Lifebox, the Seashell, and the Soul, Thunder's Mouth Press
Schmidt, Petra and Driller, Mirko, Patterns in Design, Art and Architecture, Birkhäuser Verlag
- 2004 Tan, Tori, "Casey Reas," *XFuns Magazine*, no. 13, Aug
Birch, Thomas and Makussen, Thomas, "Read_Me 2," *Harddisken*, Jun
Tan, Tori, "Processing: Interview with Casey Reas," *XFuns Magazine*, no. 11, May
"Exploring Digital Possibilities," *Sheffield Telegraph*, Apr 2
Altena, Arie, Unsorted, Thoughts on the Information Arts, *Sonic Acts / De Balie eproject vol. 2*, Pao&Paws, Taipei
Cameron, Andy (ed.), *IdN Special 04: The Art of Experimental Interaction Design*, IdN, Hong Kong
Tissage, Association Metis, Paris
- 2003 Pfaffenbichler, Norbert and Sandro Droschl, Abstraction Now, Edition Camera Austria
Campion, Sebastian, "Code. In Conversation with Casey Reas," *kopenhagen.dk*. Oct
Hoxley, Rich, "Code Dependency," *Print Magazine*, Sep/Oct
Broegger, Andreas, "Software Art, An Introduction," *kopenhagen.dk*. Sep
Sparks, Heather, "Web Design for Dummies," *Wired Magazine*, Sep
Vanderbeeken, Mark, "Processing: Programming as Art," *Cluster Magazine*, Fall
Ha, Young-June, "Interview with Casey Reas," *Korea Tatler*, vol. 3, no. 22, Aug
Brown, Liz, "Eye Candy," *Grafik*, Jul

- Osterfildern-Ruit*, Hatje Cantz Verlag
 Christov-Bagarkiev, Carolyn, *Animations*, Kunst-Werke, Berlin
 Paul, Christiane, "Public Cultural Production Art (Software) }," in *Ars Electronica 2003: In CODE*
 : *The Language of Our Time*, Hatje Cantz Publishers
 Vago-Laurer, Valerie (ed.), *AREA*, Phaidon Press Limited, London
Interaction Design Almanacco 2003, Interaction Design Institute Ivrea, Italy
Bang! Bande Dessinée, Images, Actualité. no. 3. Casterman & Beaux Arts, Paris
ROJO.nu, Sintonison S.L., Barcelona
Salon version 3.0 DVD, Furukawa, Tokyo
Imbecil CD-ROM, Alku, Barcelona
Ubersee #2, Die Gestaltung Verlag, Berlin
- 2002 "Interview: Casey Reas," *Design Net*, vol. 61, Seoul, Oct
 Melcer, Anne, "Numer, Design Interactif et Humaines Conditions," *Etapas: 85*, Jun
New York Reviews: "Bitforms Inaugural Show," *ArtNews*. Apr
 Lehrer, Jeremy, "New Visual Artists Review: 20 Under 30," *Print*, Mar/Apr
ROJO.cold, Sintonison S.L., Barcelona
 "Casey Reas," *The Graphics Book*, D&AD, London
- 2001 Jesdanun, Anick, "Digital Art Gaining Acceptance," *Associated Press*, Dec 10
 Martini, Federica, "Sculpture Immateriali, Intervista a Casey Reas," *Exibart*, Dec
 Processing, Mein elektronisches Sketchbook," *DE:BUG 64*, Oct
 Sakane, Itsuo, *The Interaction '01, Dialogue with Expanded Images*, IAMAS, Ogaki
 Wolff, Laetitia and Xu, Wang (ed.), *Design Focus Media: ACG*, China Youth Press, Hong Kong
- 2000 Coleman, B. "Aesthetics + Computation Group." *ArtByte*. Summer
 "Eighth Annual New York Digital Salon," *Leonardo*, vol. 33, no. 5
 Stocker, Gerfried and Christine Schopf (ed.), *Ars Electronica 2000 – Next Sex*, Springer, Vienna
IBM Systems Journal, vol. 39, nos. 3 & 4

PEDAGOGY

- 2003- present UCLA Design Media Arts, Professor
 200103 Interaction Design Institute Ivrea, Associate Professor

JURIES

- 2004 Prix Ars Electronica, Net Vision Category
 2003 Berlin Transmediale, Software Category
 VIPER Basel, Transposition Category
 Prix Ars Electronica, Net Vision / Net Excellence Category
 2002 Nordic Institute for Contemporary Arts, New Media Artist in Residence

LECTURES AND PRESENTATIONS

- 2009 MOCA North Miami, FL
 Carnegie Mellon University, Pittsburgh, PA
- 2008 *Artist Talk*, Pratt Manhattan Gallery, New York
Patterns, Pixel and Process: Discussing the History of the Computer Print, Artist Talk, Block
 Museum of Art, Northwestern University, Chicago, IL
- 2007 *Artist Talk*, Integrated Media Program, Cal Arts, Santa Clarita, CA
Artist Talk, Claremont Museum of Art, Claremont, CA
Information Aesthetics, Today's Art, Symposium, The Hague, The Netherlands
Artist Talk, Mediamatic, Amsterdam, The Netherlands
Artist Talk, Louisiana State University, College of Art and Design, Baton Rouge, LA
 "Form + Code," workshop with Chandler McWilliams, Telic Arts Exchange, Los Angeles, CA
Persee: Orchestrated Perception, Live visual performance, Regent Theater, Los Angeles, CA
The Future of Media Art, Symposium, NTT ICC, Tokyo, Japan
Artist Talk, Sci-Arc, Los Angeles, CA
- 2006 *TexElectronica*, Symposium, Fort Worth Museum of Art, Dallas, TX
- 2005 *3rd Iteration, Generative Systems in the Electronic Arts*, Keynote Presentation, Melbourne,
 Australia
Artmedia IX, Artist's Talk, Salerno University, Salerno, Italy
Generator.x, Artist Talk, Atelier Nord, Oslo, Norway

- Siggraph 2005, Processing.org: A Networked Context for Learning Computer Programming*, Los Angeles, CA
- Processing*, Sonarama, Sónar, Barcelona, Spain
- Real Time Workshop*, Programming Media, Centre d'Art Santa Monica, Barcelona, Spain
- Visiting artist, School of the Art Institute of Chicago, Chicago, IL
- Visiting artist, Maryland Institute College of Art, Baltimore, MD
- Current Issues in Digital Art*, Artist Talk, UC San Diego, San Diego, CA
- Artist's Talk*, Rochester Institute of Technology, Rochester, NY
- Processing.org*, Tokyo TDC Day '05, Tokyo, Japan
- Computational Information Design*, Flash In The Can, Toronto, Canada
- An Introduction to Processing*, Machine Project, Los Angeles, CA
- Programming Media*, 049 Maryland Institute College of Art, Baltimore, MD
- Programming Media*, THICK Design Series, School of the Art Institute Chicago, Chicago, IL
- 2004 *Artist Talk*, Minneapolis College of Art & Design, Minneapolis
- Programming Media / Microlmage*, USC School of Cinema-Television, Los Angeles, CA
- Sonic Acts X, Paradiso. *Programming Media*, Amsterdam, The Netherlands
- Artist Talk*, 044 Microwave International Media Art Festival, Hong Kong, China
- Program/Process*, Distributed Form: Network Practice, UC Berkeley, Berkeley, CA
- {Software} Structures*, Read_Me, Aarhus University Aarhus, Denmark
- Processing*, Dorkbot City Camp, Aarhus, Denmark
- Web Graphics: International Processing*, Siggraph 2004, Los Angeles, CA
- Self-Organizing Systems: rEvolutionary Art, Science, and Literature*, UCLA, Los Angeles, CA
- Artist Talk*, Media Art and Technology Program, UC Santa Barbara, Santa Barbara, CA
- Artist Talk*, Design Dialogues, Art Center College of Design, Pasedena, CA
- Programming Media*, San Francisco Art Institute, San Francisco, CA
- Craft & Code*, Pixel Raiders 2, Sheffield Hallam University, Sheffield, UK
- 2003 *Processing*, Bootlab, Berlin, Germany
- Artist Talk*, ART+COM, Berlin, Germany
- Programming Media*, *Processing*, University of Southern California, Los Angeles, CA
- Artist Talk*, DAMPF Research Labs, Linz, Austria
- Sketches and Applications: Processing*, Siggraph 2003, San Diego, CA
- Web Graphics: Processing*, Siggraph 2003, San Diego, CA
- Artist Talk*, Seoul National University, Seoul, Korea
- Programming Media*, Art Center Nabi, Seoul, Korea
- Processing*, *Interaction Design*, Royal College of Art, London, UK
- Programming Media*, *Processing*, Architectural Association Design Research Lab, London, UK
- Emergent Form*, Interactive Media Art Laboratory, Brussels, Belgium
- Artist Talk*, Oslo School of Architecture, Oslo, Norway
- Programming Media*, *Processing*, UCLA, Los Angeles, CA
- On Software*, AIGA Experience Design, London, UK
- Processing*, IDEO London, London, UK
- Artist Talk*, Central Saint Martins, London, UK
- On Software*, Goldsmiths College, London, UK
- On Software*, Automaten, Berlin, Germany
- Artist Talk*, University of the Arts, Berlin, Germany
- Artist Talk*, HGKK, Bern, Switzerland
- 2002 *Processing– Electronic Sketchbook*, Bartlett School of Architecture, London, UK
- Artist Talk*, Amfibio, Helsinki, Finland
- Living Surfaces*, Open Doors, Doors of Perception 7, Amsterdam, The Netherlands
- Artist Talk*, University of Leiden, Leiden, The Netherlands
- Artist Talk*, Parsons School of Design, New York
- Formalism and Creativity session*, Numer02, Paris, France
- Basel HGK. *Reactive Image*, Basel, Switzerland
- 2001 *Artist Talk*, Sonic Acts, Paradiso, Amsterdam, The Netherlands
- Interazione – Alcune Nozioni*, Scienze della Comunicazione, Ivrea, Italy
- Artist Talk*, IAMAS, Interaction'01, Ogaki, Japan
- Concepts in Interaction*, Experimentadesign 2001, Lisbon, Portugal
- Dynamic Systems*, Baton Rouge Video Project, Louisiana State University, Baton Rouge, LA
- 2000 *Dynamics and Metadesign sessions*, Numer00, Paris, France
- The Aesthetics & Computation Group*, International Media Research Foundation, Tokyo, Japan

SYMPOSIA

- 2005 *The Social Web: Platforms, Communities, and Creativity*, Siggraph 2005, Los Angeles, CA

- Digital Creatures Panel*, Flash In The Can, Toronto, Canada
- 2004 *Who Owns Our (Software) Culture*, ISEA 2004, Helsinki, Finland
- 2003 *Programming Media*, Chair, Ars Electronica Symposium, Linz, Austria
- Interdiscipline Media Arts*, Transmediale '03, Berlin, Germany
- 2000 *The State of Interactive Design*, ISEA 2000, Paris, France

WORKSHOPS

- 2012 *Expanded Cinema Workshop*, Anderson Ranch Arts Center, Aspen, CO
- 2006 *Processing Workshop*, Shakerag Workshops 2006, Sewanee, TN
- 2005 *Screen Paper Pattern*, Fabbrica, Treviso, Italy
- Processing Workshop*, Flash In The Can, Toronto, Canada
- 2004 *Processing Workshop*, City University of Hong Kong, Hong Kong, China
- Processing Workshop*, Minneapolis College of Art and Design, Minneapolis, MN
- Processing Workshop*, University of Huddersfield, Huddersfield, UK
- Processing Workshop*, Sheffield Hallam University, Sheffield, UK
- Advanced Processing Workshop*, University of Southern California, Los Angeles, CA
- 2003 *Programming Mobile Media*, Interaction Ivrea, Ivrea, Italy
- Processing Workshop*, University of Southern California, Los Angeles, CA
- Processing Workshop*, Hongik University, xD_5, Seoul, Korea
- Processing Workshop*, Interactive Media Art Laboratory, Brussels, Belgium
- Visual Concepts for Responsive Media*, Oslo School of Architecture, Oslo, Norway
- Processing*, Transmediale '03, Berlin, Germany
- Piemonte Programming Workshop* Interaction Ivrea, Ivrea, Italy
- Living Surfaces*, Hyperwerk, Basel, Switzerland
- 2002 *Processing Workshop*, Image & Sound Program, Royal Conservatory, The Hague, The Netherlands
- Workshop Algorithmique*, Les Ateliers/ENSCI, Paris, France
- Interactive Image Workshop*, Hyperwerk, Basel, Switzerland
- 2001 *Masters Class in Interaction Design*, University of Art and Design Helsinki (UIAH), Helsinki, Finland
- Computational Design Workshop*, University of Cincinnati, DAAP, Cincinnati, OH
- 2000 *Computational Design Workshop*, Rhode Island School of Design, Providence, RI