

# RAFAEL LOZANO-HEMMER

b. 1967, Mexico City, Mexico

Lives and works in Montréal

Rafael Lozano-Hemmer is known for creating large-scale interactive installations in public spaces throughout Europe, Asia, and North America. Using robotics, custom software, projections, internet links, cell phones, sensors, LEDs, cameras, tracking systems, and often employing vanguard technologies, his “Antimonuments” challenge traditional notions of site-specificity, and instead focus on the idea of creating relationship-specific work through connective interfaces. His smaller-scale “Subsculptures” and his work in photography, video, and installation explore themes of surveillance, perception, and deception. Since his emergence in the 1990s, Lozano-Hemmer has mixed the disparate fields of digital media, robotics, medical science, performance art, and lived experience into interactive artworks.

His public artworks have been commissioned for the pre-opening exhibition of the Guggenheim in Abu Dhabi (2015); the activation of the Raurica Roman Theatre in Basel (2018); the Philadelphia Association for Public Art (2012); La Triennale québécoise, Montreal, Canada (2011); Winter Olympics, Vancouver, Canada (2010); Federation Square, Melbourne, Australia (2010); the 50th Anniversary of the Guggenheim Museum, New York (2009); the memorial for the Tlatelolco Student Massacre, Mexico City (2008); Madison Square Park, New York (2008); Trafalgar Square, London (2008); Québec City’s 400th Anniversary (2008); the Expansion of the European Union, Dublin, Ireland (2004); the opening of the YCAM Center, Yamaguchi, Japan (2003); and the Millennium Celebrations, Mexico City (1999).

He has received two BAFTA British Academy Awards for Interactive Art in London, a Golden Nica at the Prix Ars Electronica in Austria, “Artist of the year” Rave Award from Wired Magazine, a Rockefeller fellowship, the Trophée des Lumières in Lyon, an International Bauhaus Award in Dessau, the title of Compagnon des Arts et des Lettres du Québec in Quebec, and the Governor General’s Award in Canada. He has lectured at Goldsmiths College, the Bartlett School, Princeton, Harvard, UC Berkeley, Cooper Union, USC, MIT MediaLab, Guggenheim Museum, LA MOCA, Netherlands Architecture Institute, Cornell, UPenn, SCAD, Danish Architecture Center, CCA in Montreal, ICA in London, and the Art Institute of Chicago.

In the past two years, Lozano-Hemmer was the subject of 9 solo exhibitions worldwide, including a major show at the Hirshhorn Museum in Washington DC, the inaugural show at the AmorePacific Museum in Seoul, and a mid-career retrospective co-produced by the Musée d’Art Contemporain de Montréal and SFMOMA. In 2019 his immersive performance “Atmospheric Memory” premiered at the Manchester International Festival and his interactive installation “Border Tuner” connected people across the US-Mexico border using bridges of light controlled by the voices of participants in Ciudad Juárez, Chihuahua and El Paso, Texas.

## EDUCATION

1989 B.Sc. In Physical Chemistry from Concordia University, Montréal

## SOLO EXHIBITIONS

- 2024 *Rafael Lozano-Hemmer: A Crack In the Hourglass, An Ongoing COVID-19 Memorial*, Van Every / Smith Galleries at Davidson College, Davidson, North Carolina
- 2023 *Rafael Lozano-Hemmer: Translation Island*, Department of Culture and Tourism of Abu Dhabi, Abu Dhabi, United Arab Emirates
- Lumiere 2023*, Lumiere Festival Durham, Durham, United Kingdom
- Atmospheric Memory*, Manchester International Festival, Powerhouse Ultimo - Museum of Applied Arts and Science, Sydney, Australia
- Rafael Lozano-Hemmer: EXCUSE YOU!*, bitforms gallery, San Francisco, CA
- TECHS-MECHS: A Survey of Mexican Technological Culture*, Gray Area Foundation for the Arts, Grand Theatre, San Francisco, CA
- Rafael Lozano-Hemmer: Listening Forest*, Crystal Bridges Museum of American Art, North Forest Trail, Bentonville, AR
- Rafael Lozano-Hemmer: Biometric Theatre*, West Kowloon Cultural District, Hong Kong, China
- 2022 13th Mercosul Biennial, Ministry of Citizenship and Santander, Porto Alegre, Rio Grande do Sul, Brazil,
- Rafael Lozano-Hemmer: Common Measures*, PACE Gallery New York, NY
- Rafael Lozano-Hemmer: Listening Forest*, Crystal Bridges Museum of American Art, North Forest Trail, Bentonville, AR
- Rafael Lozano-Hemmer: EXCUSE YOU!*, Wilde Gallery, Basel, Switzerland
- Rafael Lozano-Hemmer: Caudales*, Casa de México España, Madrid, Spain
- Rafael Lozano-Hemmer: Haciendo Agua*, Max Estrella, Madrid, Spain
- 2021 *Unstable Presence*, San Francisco Museum of Modern Art, San Francisco, CA
- Rafael Lozano-Hemmer: Atmospheric Memory*, Manchester International Festival, University of North Carolina, Chapel Hill, NC
- A Crack In The Hour Glass*, Brooklyn Museum, Brooklyn, NY
- Pulse Topology*, Kemper Museum of Contemporary Art, Kansas City, MO
- 2020 *Recent Works*, Arsenal Art Contemporary, Montreal, Canada
- A Crack In The Hour Glass*, Museo Universitario Arte Contemporáneo, Mexico City, Mexico
- Rafael Lozano-Hemmer: Cercania*, Arsenal Art Contemporary, Montreal, Canada
- Latidos*, Arte Abierto, Mexico City, Mexico
- 2019 *Border Turner / Sintonizador Fronterizo*, Chamizal Park, Ciudad Juárez, Mexico / El Paso, CA
- Rafael Lozano-Hemmer: Unstable Presence*, Museo de arte contemporáneo de Monterrey, Monterrey, Mexico
- Atmospheric Memory*, Manchester International Festival, Science and Industry Museum, Manchester, England
- Flujo Óptico*, Max Estrella Gallery, Madrid, Spain
- Metrónomos*, permanent installation, Museo de la Memoria y Tolerancia, Mexico City, Mexico
- 2018 *Rafael Lozano-Hemmer: ,* Mexican Cultural Institute Washington D.C.; curated by Stephane Aquin
- Pulse*, Hirshhorn Museum and Sculpture Garden, Washington, D.C.
- Rafael Lozano-Hemmer: Solar Equation*, Musée national des beaux-arts du Québec, Québec, Québec, Canada; curated by Bernard Lamarche
- Voice Theatre*, Augusta Raurica, Basel, Switzerland
- Unstable Presence*, Musée d'Art Contemporain de Montreal, Montreal, Canada
- Decision Forest*, Amorepacific Museum of Art, Seoul, South Korea
- 2017 *Colorimeter*, Quebec, Canada
- Pulse Museum*, Museum of Old and New Art, Hobart, Australia
- 2016 *Rafael Lozano-Hemmer: Transition States*, Gund Gallery, Kenyon College, Gambier, OH
- Preabsence*, HeK, Basel, Switzerland; curated by Sabine Himmelsbach
- 2015 *Rafael Lozano-Hemmer: Pseudomatismos*, MUAC Museum, Mexico City, Mexico
- Lapus Lumen*, bitforms gallery, New York, NY
- Solar Equation*, Ulm Cathedral, Ulm, Germany
- Level of Confidence*, Galeria Andrea Pozzo, Universidad Iberoamericana, Mexico
- Rafael Lozano-Hemmer: Polynomials*, Art Bartschi, Geneva, Switzerland
- 2014 *A Draft of Shadows*, Bildmuseet, Umeå, Sweden
- Signos e Índices*, NC-arte, Bogotá, Columbia
- Fiducial Voice Beacons*, permanent installation, Information Age Gallery, Science Museum, London, England
- Obra Sonora*, Carroll/Fletcher Gallery, London, England
- Zero Noon*, permanent installation, Fidelity HQ, Boston, Massachusetts
- Pulse Spiral*, Exploratorium, San Francisco, CA
- Abstracción Biométrica* Fundación Telefónica, Madrid, Spain

- Polimeros*, Max Estrella Gallery, Madrid, Spain
- 2013 *Close Up and The Year's Midnight*, Canada Council For the Arts, Ottawa, Canada
- Matriz de Voz*, Rio de Janeiro, Brazil
- Pulse Room*, International Charitable Foundation "IZOLYATSIA, Platform for cultural initiatives", Donetsk, Ukraine
- Vicious Circular Breathing*, Borusan Contemporary, Istanbul, Turkey
- Voice Tunnel*, Department of Transportation Summer Streets, Park Avenue Tunnel, New York
- Airborne*, Virginia Arts Festival, commissioned by the Chrysler Museum of Art, Norfolk, VA
- Rafael Lozano-Hemmer: No Hay Mariachi*, bitforms gallery stand, the Armory Show, New York, NY
- 2012 *Close up and The Year's Midnight*, International Symposium on Electronic Art, Sydney, Australia
- Frequency and Volume*, San Francisco Museum of Modern Art, San Francisco, CA
- Trackers*, Fundación Telefónica, Buenos Aires, Argentina
- Open Air*, Benjamin Franklin Parkway, commissioned by Association for Public Art, Philadelphia, PA
- Voice Array*, bitforms gallery, New York, NY
- X no es la nueva Y*, Galeria OMR, Mexico City, Mexico
- 2011 *Recorders*, Museum of Contemporary Art, Sydney, Australia
- Please Empty Your Pockets*, Music House, Borusan Foundation, Istanbul, Turkey
- Trackers*, La Gaîté Lyrique, Paris, France
- Pulse Index*, Borusan Contemporary, Istanbul, Turkey
- Pulse Spiral*, Pei Ling Chan Gallery, Savannah College of Art and Design, Savannah, GA
- 2010 *Pulse Show*, Beall Center, University of California, Irvine, CA
- Recorders*, Manchester Art Gallery, Manchester, England
- Sandbox*, Glow, Santa Monica Beach, Santa Monica, CA
- Vectorial Elevation*, Cultural Olympiad, English Bay, Vancouver, Canada
- Solar Equation*, Light in the Winter Festival, Federation Square, Melbourne, Australia
- Surveillance Materialized*, Max Estrella Gallery, Madrid, Spain
- 2009 *Levels of Nothingness*, Works and Process Series, Guggenheim Museum, New York, NY
- Pulse Glow*, Glow Festival, City Hall, Eindhoven, The Netherlands
- Transition States*, Haunch of Venison, New York, NY
- Make-Out, "Extra-Muros"*, Mutek Festival 10th Anniversary, Red light district, Montréal, Canada
- Recent Works*, Galerie Guy Bärtschi, Geneva, Switzerland
- 2008 *Rafael Lozano-Hemmer*, bitforms gallery, New York
- Pulse Park*, Madison Square Park, New York, NY
- Frequency and Volume*, The Curve, Barbican Centre, London, England
- Arrays*, Haunch of Venison, London, England
- Recorders*, Edith Ruß Haus für Medienkunst, Oldenburg, Germany
- Retrospective*, Institute of Contemporary Art, London, England
- Body Movies*, Québec City's 400th Anniversary, Québec City, Canada
- Voz Alta*, Memorial for the 1968 student massacre, Tlatelolco, Mexico City, Mexico
- Under Scan*, Trafalgar Square, London, England
- Body Movies*, Te Papa Museum, Wellington, New Zealand
- 2007 *Pulse Front: Relational Architecture 12*, Luminato Festival, Toronto, Canada
- Homographies*, TD Centre Linkway, Toronto, Canada
- Venice Biennale 52<sup>nd</sup> International Art Exhibition (Mexico), Venice, Italy
- Art Basel Unlimited, Art 38 Basel Fair, Basel, Switzerland
- 2006 *Rafael Lozano-Hemmer*, bitforms gallery, New York, NY
- Body Movies*, Museum of Art, HK Arts Development Council, Hong Kong, China
- Under Scan*, public art commission, East Midlands Development Agency, Nottingham, Derby, Northampton, Leicester, England
- 33 Questions per Minute*, Spots Mediafaçade with realities:united, Potsdamer Platz 10, Berlin, Germany
- 2005 *Subsculptures*, Galerie Guy Bärtschi, Geneva, Switzerland
- Under Scan*, public art commission, East Midlands Development Agency, Lincoln, Brayford University Campus, England
- Subtitled Public*, Sala de Arte Público Siqueiros, Mexico City, Mexico
- 2004 *Rafael Lozano-Hemmer*, OMR Gallery, Mexico City, Mexico
- Vectorial Elevation*, EU expansion celebrations, O'Connell Street, Dublin, Ireland
- 2003 *Rafael Lozano-Hemmer*, bitforms gallery, New York, NY
- Vectorial Elevation*, Fête des Lumières, Place Bellecour, Lyon, France
- Amodal Suspension*, Yamaguchi Center for Art and Media, Yamaguchi, Japan. Access Pods and terminals for the piece were installed at: MACBA in Barcelona, MARS Lab in Bonn, C3 in Budapest, Fundación Telefónica in Buenos Aires, MIT MediaLab in Cambridge, Bauhaus in Dessau, IAMAS in Ogaki, ZKM in Karlsruhe, Kyoto Art Center in Kyoto, FACT in Liverpool, Science Museum in London, Ojo Atómico in Madrid, Laboratorio Arte Alameda in Mexico City, SAT in Montréal, Sarai in New Delhi, Eyebeam in New York City, Wood Street Galleries in Pittsburgh, V2 Organisatie in Rotterdam, Itaú Cultural Center in São Paulo, Sendai Mediatheque in Sendai, Art Center Nabi in Seoul, NTT-ICC in Tokyo, MeSci in Tokyo,

Ontario Science Centre in Toronto, Emily Carr in Vancouver, WRO Center in Wroclaw and Multimedia Institute in Zagreb.

*Relational Architectures*, Laboratorio Arte Alameda, Mexico City, Mexico

*Body Movies*, Duisburg Akzente, Duisburg, Germany

2002 *Vectorial Elevation*, Artium, Basque Contemporary Art Museum, Vitoria-Gasteiz, Spain

*Two Origins*, Place du Capitole, Printemps de Septembre Festival, Toulouse, France

2001 *Body Movies*, Cultural Capital of Europe Festival, V2 Grounding, Rotterdam, The Netherlands

## GROUP EXHIBITIONS

2023 *Celia Birbragher: Paving Roads for Latin American Art*, The Coral Gables Museum at ArtNexus, Coral Gables, FL  
*Interreality*, bitforms, The Desmond Tower, Los Angeles, CA

*Difference Machines: Technology and Identity in Contemporary Art*, Buffalo AKG Art Museum, Buffalo, NY;  
Wrightwood 659, Chicago, IL

*Ecosystems*, Signal Festival, Prague, Czech Republic

*Travelling Gallery of Fluid Motion*, Cultural Programs of the National Academy of Sciences (CPNAS),  
Washington, D.C.

*A Well-trained Eye*, Visual Arts Center, Austin, TX

*Renaissance 3.0: New Alliances of Art and Science in the 21st Century*, Zentrum für Kunst und Medien  
Karlsruhe, Karlsruhe, Germany

*Asuntos de Nuestro*, +CODE, Espacio de Arte Contemporáneo, Montevideo, Uruguay

*I'll Be Your Mirror: Art and the Digital Screen*, The Modern Art Museum of Fort Worth, Fort Worth, TX

*The NewArt {collection}*, V2\_Lab for the Unstable Media, Rotterdam, Netherland

*Arkive at World Economic Forum*, Arkive, Switzerland

2022 *Freedom of Movement: Contemporary Art and Design from the NGV Collection*, NGV International, Melbourne,  
Australia

*METAMORPHOSIS - MUTATION*, Elektra, Arsenal Contemporary Art, Montréal, Québec, Canada

*Superblue Miami*, Superblue, Miami, FL

*Computational Poetics*, Beall Center for Art + Technology, University of California, Irvine, CA

*The Pieces I Am*, Ullens Center for Contemporary Art, Shanghai, China

*In Search of the Present*, Espoo Museum of Modern Art, Espoo, Finland

*La imagen humana: arte, identidades y simbolismo*, La Fundación La Caixa, Zaragoza, Spain

*Giro Gráfico*, Museo Nacional Centro de Arte Reina Sofía, Madrid, Spain

*Imagine Repair*, The Zip Code Memory Project, New York City, New York

*What Is Left Unspoken, Love*, High Museum of Art, Atlanta, GA

*Metadata: Rethinking Photography from the 21st Century*, The John and Mable Ringling Museum of Art,  
Sarasota, FL

*La imagen humana: arte, identidades y simbolismo*, La Fundación La Caixa, Sevilla, Spain

*All Art is Virtual*, Thoma Foundation, Santa Fe, NM

2021 *Metadata: Rethinking Photography from the 21st Century*, The Ringling Museum of Art, Sarasota, FL

*NEMO : Biennial of Electronic Arts*, Paris, France

*The Imagined Human: Art, Identity, Symbolism*, The Caixa Foundation, Barcelona, Spain;

2020 *Recurrent Anaximander*, Superblue, Miami, FL

*Quarante*, Blouin Division Montreal, Montreal, Canada

*Black Swan: Unpredictable Future*, Open Media Art Festival, Seoul, South Korea

*The Body Electric*, Museum of Art and Design at Miami Dade College, Miami, FL

*Scripts of Logic*, Kunsthalle Zurich, Zurich Switzerland

*Art In the Age of Anxiety*, Sharjah Art Foundation, Sharjah, UAE

*School Photos and Their Afterlives*, Hood Museum of Art, Hanover, NH (forthcoming)

2019 *The Future and the Arts*, Mori Art Museum, Tokyo, Japan; curated by Fumio Nanjo, Kinchi Kondo, Honor Hager

*Arts of the World*, Musée des Beaux-Arts Montréal, Montréal, Québec, Canada

*Cadavre Exquis*, Phi Centre, Montréal, Quebec, Canada

*Open Codes. We Are Data*, Azkuna Zentroa, Alhóndiga Bilbao, Bilbao, Spain

*Asuntos de Nuestro Espacio*, Centro Cultural Rojas, Buenos Aires, Argentina

*Project 1*, Art Prize, Grand Rapids, MI

*Infinity Clock: Artworks on Time*, Orange Door Chicago, Chicago, IL

*The Watchers*, The 8<sup>th</sup> Floor, New York, NY; curated by Sara Reisman

*Mutual Reality: Art on the Edge of Technology*, Scottsdale Museum of Contemporary Art, Scottsdale, AZ

*La Tête dans le Nuage*, Musée de la Civilisation, Québec, Canada

*Reincarnation of Media Art*, WRO Art Center, Wroclaw, Poland; curated by Exonemo

*Montluçon Art Mobile*, Fond d'Art Moderne et Contemporaine, Montluçon, France

*Now Is the Time*, Wuzhen Biennale, Wuzhen, China

*Writing the History of the Future*, Zentrum für Kunst und Medien, Karlsruhe, Germany; curated by Peter Weibel

*Faces*, Museum of Modern and Contemporary Art, Mallorca, Spain

- Sandbox, Llum Festival, Barcelona, Spain  
*bitforms gallery LA*, ROW DTLA, Los Angeles, CA
- 2018 *Art in the Age of the Internet, 1989 to Today*, UMMA - University of Michigan Museum of Art, Ann Arbor, MI  
*Entangle / Physics and the Artistic Imagination*, Bildmuseet Umeå University, Umeå, Sweden  
*12th Shanghai Biennale*, 12th Shanghai Biennale, Shanghai, China  
*Unsettled*, Palm Springs Art Museum, Palm Springs, CA  
*La No Comunidad*, CentroCentro, Madrid, Spain  
*Temporalidades Arte Latinoamericano*, Museo de Arte e Historia de Guanajuato, Guanajuato, Mexico  
*Üvercinka A Selection from the Borusan Contemporary Art Collection*, Borusan Contemporary, Istanbul, Turkey  
*Message from Our Planet*, Orange Door Chicago - Thoma Foundation, Chicago, IL  
*Reincarnation of Art Media*, Yamaguchi Center for Arts and Media, Yamaguchi, Japan  
*I Was Raised on the Internet*, Museum of Contemporary Art Chicago, Chicago, IL  
*Global Positioning System Not Working*, Akademie der Künste der Welt, Cologne, Germany  
*Unsettled*, Anchorage Museum, Anchorage, AK  
*You Are Here: Light, Color, and Sound Experiences*, North Carolina Museum of Art, Raleigh, NC  
*Relations*, Kunstkraftwerk, Leipzig, Germany  
*Printemps Numérique X 5 à 9 au McCord*, McCord Museum, Montreal, Quebec, Canada  
*L'Invention de Morel*, Maison de l'Amérique Latine, Paris, France  
*Reality Machines – An Art Exhibit on Post-Truth*, CRASSH, Cambridge, England  
*Authenticate*, Cypress College Art Gallery, Cypress, CA  
*The Armory Show*, Galería Max Estrella, New York City, NY  
*New Media, New Millennium: Digital Art from the Thoma Foundation*, Hunter Museum of American Art, Chattanooga, TN  
*Art in the Age of the Internet, 1989 to Today*, The Institute of Contemporary Art Boston, Boston, MA  
*Corpus*, New Media Gallery, New Westminster, British-Columbia, Canada  
*Group exhibition, D.I.X.*, Genève, Switzerland  
*jVIVA!*, Projective Eye Gallery – UNC, Charlotte, NC
- 2017 *NGV Triennale*, National Gallery of Victoria, Melbourne, Australia  
*Untitled Art fair, bitforms gallery*, Miami, FL  
*B3 Biennial of the Moving Image*, Four Frankfurt, Frankfurt, Germany  
*La Ciudad de México en el Arte. Travesía de Ocho Siglos.*, Museo de la Ciudad de México, Mexico City, México  
*Aproximacions Creatives – Col·lecció BEEP d'Art Electrònic*, Museo Salvador Vilaseca, Reus, Spain  
*Electronic Superhighway (1966-2016)*, Museum of Art, Architecture, and Technology, Lisbon, Portugal  
*Lección de Arte*, Museo Thyssen-Bornemisza, Madrid, Spain  
*Sin Título (Untitled)*, Jonathan Ferrara Gallery, NO; curated by Dan Cameron  
*Drawn from a Score*, Beall Center, Irvine, CA; curated by David Familian  
*Future Shock*, Site Santa Fe, Santa Fe, NM; curated by Irene Hofmann  
*Art of the Selfie*, Helen Day Art Center, Stowe, VT  
*Viva, 22London*, Asheville, NC  
*Never the Same: What (else) Can Art Writing Do?*, Contemporary Calgary, Calgary, Alberta, Canada  
*Datumsoria*, Zentrum für Kunst und Medientechnologie, Karlsruhe, Germany; curated by Zhang Ga  
*KM3*, Quartier des Spectacles Montréal, Montréal, Québec, Canada  
*Blood*, Science Gallery Melbourne, Melbourne, Australia  
*Soundtracks*, SFMOMA, San Francisco, CA; curated by Rudolf Frieling and Tanya Zimbardo  
*Collectiva 23º Aniversario*, Galería Max Estrella, Madrid, Spain  
*Collective V*, Art Bärtschi & Cie, Genève, Switzerland  
*Wavefunction*, University of Michigan Museum of Art, Ann Arbor, MI  
*Seeing Now*, 21c Museum, Nashville, TN  
*Citizens*, Petach Tikva Museum of Art, Petach Tikva, Israel  
*The Rise of Bio-Society*, Riddoch Art Gallery, Mount Gambier, Australia  
*From Selfie to Self-Expression*, Saatchi Gallery, London, England  
*No Secrets!*, ERES Stiftung, Munich, Germany  
*Nothing to Hide? Art, Surveillance, and Privacy, Real Art Ways*, Hartford, CT; curated by: Jessica Hodin and Edward A. Shaken  
*Discursos Premeditats*, Col·lecció Fundació Caja Mediterráneo, Centre del Carme, Valencia, Spain; curated by Rosa Maria Castells  
*Virtual Views: Digital Art from the Thoma Foundation*, Knoxville Museum of Art, Knoxville, TN; Orlando Museum of Art, Orlando, FL; curated by Jason Foubberg
- 2016 *Bienal de Cuenca*, Casa Bienal, Cuenca, Ecuador; curated by Dan Cameron  
*Looking at One Thing and Thinking of Something Else*, Carroll / Fletcher Gallery, London, England  
*13th International Cuenca Biennial*, Universes in Universe, Cuenca, Ecuador; curated by Dan Cameron  
*Fifteen-Year Anniversary Exhibition*, Minnesota Street Project, San Francisco, CA  
*De Muerte Presente*, Kunstmuseum Heidenheim, Heidenheim, Germany  
*Fairholme Unlimited Foundation*, Lowe Art Museum, Coral Gables, FL

- Witness*, New Media Gallery, Vancouver, B.C, Canada  
*Robots Building Robots*, Hedreen Gallery, Seattle University, Seattle, WA  
*Mouse in the Machine: Nature in the Age of Digital Art*, Art House, Santa Fe, NM  
*Electronic Superhighway*, Whitechapel Gallery, London, England  
2015 *Big Bang Data*, Somerset House, London, England  
*Nivel de Confianza*, Aluna Art Foundation, Miami, FL  
*Global Control and Censorship*, ZKM, Karlsruhe, Germany  
*Sensory Systems*, Grundy Art Gallery, Blackpool, England  
*Performing Likeness*, FWCA, Forth Worth, TX  
*Zero Noon*, Fidelity Head Quarters, Boston, MA  
*ANT*, Galeria Punto, Valencia, Spain  
*Nivel de Confianza*, Galeria Andrea Pozzo, Universidad Iberoamericano, Mexico City, Mexico  
*Heart Ibiza*, Ibiza Hotel, Ibiza, Spain  
*Luminous Flux v2.0*, Thoma Foundation, Santa Fe, NM  
*Memory Burn*, bitforms gallery, New York, NY  
*Fuera de Lugar*, Museu del Disseny de Barcelona, Barcelona, Spain  
*E-Merge*, Arsenal Contemporary Art, Montreal, Quebec, Canada  
*Calvino after Calvino*, Blue Project Foundation, Barcelona, Spain  
*Dark MoFo Festival*, Detached, Hobart, Australia  
*Aesthetica 50 Years of Computer Generated Art*, DAM Gallery, Berlin, Germany  
*Nivel de Confianza*, Ciudad Juarez, Mexico  
*Poetics and Politics of Data*, HEK, Basel, Switzerland  
*Surveillance Awareness Bureau*, Modelab, Wellington, New Zealand  
*C2 Conference+Creativity*, Arsenal, Montréal, Québec, Canada  
*Royal Canadian Academy of Arts*, Beaux Arts des Ameriques Gallery, Montréal, Québec, Canada  
*Art and Conflict Symposium*, Wolfson College, University of Oxford, Oxford, England  
*Eurocaravana 43*, Juicebrothers No2, Vienna, Austria  
*Nivel de Confianza*, The Neon Rex Project, Mexico City, Mexico  
*Public Art Fund Spring Benefit*, New York, NY  
*Nivel de Confianza*, Museo Universitario Arte Contemporaneo, Mexico City, Mexico  
*Nivel de Confianza*, Centro Nacional de las Artes CENART – Galería de Arte Electrónico Manuel Felguérez, Mexico City, Mexico  
*The Governor General's Awards in Visual and Media Arts 2015*, National Gallery of Canada, Ottawa, Ontario, Canada  
*Level of Confidence*, FOFA Gallery, Montréal, Québec, Canada  
*Escuela Experimental de Arte*, Centro Cultural de España en Tegucigalpa, Tegucigalpa, Honduras  
*Vídeo-Régimen*, Museo Lázaro Galdiano, Madrid, Spain  
*Seeing Through Light*, Guggenheim Abu Dhabi, Abu Dhabi, United Arab Emirates  
2014 *Kochi-Muziris Biennale*, Kochi, India; curated by Jitish Kallat  
*Art Basel Miami Beach*, with OMR Gallery, Miami, FL  
*Untitled Art Fair*, with bitforms gallery and Max Estrella Gallery, Miami, FL  
*Surface Tension*, 1+2 Colección Jumex in Dialogue with Lowe Art Museum, Lowe Art Museum, Miami, FL  
*Intervención Literal*, Cruce de Colecciones, CAAM, Las Palmas, Spain  
*Seeing Through Light*, Guggenheim Abu Dhabi, Abu Dhabi, United Arab Emirates  
*2015 Recent Acquisitions*, National Gallery of Victoria, Melbourne, Australia  
*ArtBO*, with OMR Gallery, Bogotá, Colombia  
*Blood*, Science Gallery, Trinity College, Dublin, Ireland  
*Limited Visibility*, Contemporary Art Museum, Raleigh, NC  
*Luminous Flux: Digital and Geometric Art from the Thoma Foundation*, Art House, Santa Fe, NM  
*Pencil/Line/Eraser*, Carroll/Fletcher Gallery, London, England  
*Digital Revolution*, Barbican Centre, London, England  
*Collective III*, Art Bärtschi, Genève, Switzerland  
*1 + 1 = 1, When Collections Collide*, Musée des beaux-arts de Montréal, Montréal, Canada  
*La Beauté du geste / The Grace of a Gesture*, Musée d'Art Contemporain de Montréal, Montréal, Canada  
*DarkMOFO Festival*, Museum of Old and New Art, Hobart, Tasmania, Australia  
*Digital Latin America*, 516 Arts, Albuquerque, NM  
*Identity Control*, Vadehra Art Gallery, New Delhi, India  
*Art Basel*, OMR Gallery stand, Hong Kong, China  
*Seeing Now*, 21C Museum, Louisville, KY  
*Art Brussels Fair*, Carroll/Fletcher Gallery and Max Estrella Gallery stands, Brussels, Belgium  
*The Art of Data II*, Boulder Museum of Contemporary Art, Boulder, CO  
*SP-arte Fair*, Baró Gallery stand, Sao Paulo, Sao Paulo, Brazil  
*"Permission to be Global"*, Museum of Fine Arts Boston, Boston, MA  
*Art Dubai*, Carroll/Fletcher Gallery and Baró Gallery, Dubai, United Arab Emirates  
*Portrait*, TrépanierBaer Gallery, Calgary, Alberta, Canada  
*Armory Show*, Baró Gallery, New York City, New York, NY

- Everybody is Nobody for Somebody from the Kulczyk Collection*, Fundación Banco Santander, Madrid, Spain  
 ARCO, with Max Estrella Gallery and Carroll/Fletcher Gallery, Madrid, Spain  
 Zona MACO, with OMR Gallery and Max Estrella Gallery, Mexico City, México
- 2013 *An Antipode so close...*, Vadehra Art Gallery, New Delhi, India  
*Permission to be Global*, Cisneros Fontanals Art Foundation, Miami, FL  
 INTER[IN]VENÇÃO, Fundação Eugénio de Almeida, Évora, Portugal  
*0 to 60: The Experience of Time through Contemporary Art*, Pratt Manhattan Gallery, New York, NY  
*Lumiere*, Durham University Science Site, Durham, England  
 Modern Contemporary permanent collection, North Carolina Museum of Art, Raleigh, NC  
*5000 Moving Parts*, MIT Museum, Cambridge, MA  
 The Art of Ideas Festival, 21c Museum, Louisville, KY  
*The Art of Data*, Aspen Ideas Festival, Resnick Gallery, Aspen, CO  
*Collective II*, Galerie Guy Bärtschi, Geneva, Switzerland  
*The Red Queen*, MONA Museum, Hobart, Tasmania, Australia  
*A Different Kind of Order: The ICP Triennial*, International Center of Photography, New York, NY  
 Art Rock Festival, La Passerelle, Saint-Brieuc, France  
*Inner Journeys*, Maison Particuu lière, Brussels, Belgium  
 Virginia Arts Festival, Norfolk, VA  
*Volume: Hear Here*, Justina M. Barnicke Gallery, Univ. of Toronto, Toronto, Canada  
*0 to 60: The Experience of Time through Contemporary Art*, North Carolina Museum of Art, Raleigh, NC  
*Nothing is more optimistic than Stjärnsund*, Primera Bienal Del Sur, Panama City, Panama  
*Desplazamientos*, The Museum of Contemporary Art in Tamaulipas, Matamoros, Mexico  
*Monaism*, Museum of Old and New Art, Hobart, Australia  
*Viral*, Art Museum of the Americas, Washington, D.C.  
*New Frontier*, Sundance Film Festival, Park City, UT
- 2012 *Unsaid/Unspoken*, Cisneros Fontanals Art Foundation, Miami, FL  
*Son et Lumière*, 21st Century Museum of Contemporary Art, Kanazawa, Japan  
 Copenhagen Art Festival, Nikolaj Kunsthal, Copenhagen, Denmark  
*Field Conditions*, San Francisco Museum of Modern Art, San Francisco, CA  
*Pulse Park*, Jahrhunderthalle Park, Ruhr Triennial, Bochum, Germany  
*Pulse Drip*, Urdaibai Park, Urdaibai, Spain  
*WBA3: Architecture in the Expanded Field*, Wattis Institute of Contemporary Art, San Francisco, CA  
*Play with me*, Museum of Latin American Art, Los Angeles, CA  
*C2-MTL Conference*, Montreal, Canada  
*Migration*, ARNDT Gallery, Sydney, Australia  
*Focal Points: Art and Photography*, Manchester Art Gallery, Manchester, England  
*Time-Lapse*, SITE Santa Fe, NM  
*Transverso: Instalaciones y nuevos medios en Iberoamérica*, Instituto Valencia de Arte Moderno, Valencia, Spain  
*Zones of Contention*, Weatherspoon Art Museum, Greensboro, NC  
*Cisneros Fontanals Foundation Collection*, Museo Nacional de Bellas Artes, Havana, Cuba  
*Last Breath*, 11th Bienal de la Habana, Havana, Cuba
- 2011 *No, No, I Hardly Ever Miss a Show*, Zacheta National Gallery of Art, Warsaw, Poland  
 Digital Marrakech, Marrakech, Morocco  
*The space between now and then*, Galeria OMR, Mexico, Mexico  
*Machina, Medium, Apparatus*, Laboratorio Arte Alameda, Mexico City, Mexico  
*Seeing/Knowing*, Gund Gallery, The New Museum of Modern and Contemporary Art, Kenyon College, Kenyon, OH  
*Resonance: Looking for Mr. McLuhan*, Pratt Manhattan Gallery, New York, NY  
*Espectros*, Arts Santa Mònica, Barcelona, Spain  
 La Triennale québécoise, Musée d'art contemporain, Montreal, Canada  
*Decode: Digital Design Sensations*, Design Museum, Holon, Israel  
 AA2, AKC Medika Gallery, Zagreb, Croatia  
*"Rewriting Worlds": The 4<sup>th</sup> Moscow Biennale*, Moscow, Russia  
*Global Contemporary*, ZKM Museum of Contemporary Art, Karlsruhe, Germany  
*Borusan Contemporary*, Perili Köşk, Istanbul, Turkey  
*Memorial da America Latina*, Saul Paulo, Brazil  
*Drawing in Relation*, DNA Gallery, Berlin, Germany  
*Freedom to Create*, National Gallery of Bosnia and Herzegovina, Sarajevo  
*Interconexiones*, Pinacoteca Diego Rivera, Xalapa, Veracruz, Mexico  
*Non-site*, Centre for Contemporary Art, Ujazdowski Castle, Warsaw, Poland  
*Interacción I/O/I*, Disseny Hub IDAT, Barcelona, Spain  
*Between Chaos & Seduction: Contemporary Art from Mexico*, ROM ICC, Toronto, Canada  
*Singapore Biennial*, Marina Bay, Singapore  
*Decode: digital design sensations*, The Garage CCC, Moscow, Russia

- Extimidad*, Es Baluard Museum, Palma de Mallorca, Spain  
*Zona Maco*, Centro Banamex, Mexico City, Mexico  
*Madison Square Park Spring Party and auction*, Madison Square Park Conservancy, New York, NY  
*Objects of Change*, Article 25, London, England  
*Entreprise Collective*, Espace Création, Loto-Québec, Montréal, Québec, Canada  
*Pulse Room* installation, *Monamism*, MONA Museum, Hobart, Australia  
*Monanism*, Museum of Old and New Art, Hobart, Tasmania, Australia
- 2010 *Hyperlinks Between Architecture and Design*, Art Institute of Chicago, Chicago, IL  
*Open This End*, Madrid Pavilion, Shanghai World Expo, China  
*MetaDataPhile*, Cal State Fullerton Main Art Gallery, Fullerton, CA  
*Decode: digital design sensations*, Museum of CAFA Beijing, organized by the Victoria & Albert Museum  
*Públicos y contrapúblicos* and *Bienal de Arte Contemporaneo de la Fundación ONCE*, CAAC, Seville, Spain  
*Art Star IV Video Biennale*, Ottawa, Canada  
*Raum für Raum*, K21 Ständehaus, Düsseldorf, Germany  
*Glow*, Santa Monica Beach, CA  
*Intensif-Station*, Stiftung Kunstsammlung NW, Düsseldorf, Germany  
*ShadowDance*, Kunsthal KAdE, Amersfoort, The Netherlands  
*20 ans déjà*, Galerie Guy Bärtschi, Geneva, Switzerland  
*Optimismo Radical*, Josée Bienvenu Gallery, New York  
*Sculpture as Time*, Art Gallery of Toronto, Toronto, Canada  
*OMR Gallery*, Mexico City, Mexico
- Atopia: Art and the City in the 21<sup>st</sup> Century*, Centre de Cultura Contemporània de Barcelona, Barcelona, Spain  
*On Gaps and Silent Documents*, Artefact Festival, STUK Arts Centre, Leuven, Belgium  
*Works from the Daros Latinamerica Collection*, Fundación Banco Santander, Madrid, Spain  
*ArchiTECHtonica*, CU Art Museum, University of Colorado at Boulder, CO  
*INterVENCIONES*, National Council of Art and Culture, Valparaíso, Chile
- 2009 *Los Impolíticos*, Palazzo delle Arti Napoli (PAN), Naples, Italy  
*Decode: Digital Design Sensations*, Victoria & Albert Museum, Porter Gallery, London, England  
*Being in the World*, Cisneros Fontanals Art Foundation (CIFO), Miami, FL  
*The World is Yours*, Louisiana Museum, Copenhagen, Denmark  
*Art and Electronic Media*, bitforms gallery, New York, NY  
*No Longer Empty: The Invisible Dog*, Brooklyn, NY  
*5 Solos*, Galería OMR, Mexico City, Mexico  
*Direct Digital*, Modena, Italy  
*Open Space*, NTT InterCommunication Center [ICC], Tokyo, Japan  
*YOU\_ser\_*: *Das Jahrhundert des Konsumenten*, Zentrum für Kunst und Medientechnologie, Karlsruhe, Germany  
*Hundred Stories about Love*, Museum of 21<sup>st</sup> Century Art, Kanazawa, Japan  
*Extra-Muros*, Mutek Festival 10<sup>th</sup> Anniversary, Montréal, Canada
- Un Mundo Feliz*, 10<sup>th</sup> Bienal de la Habana, Havana, Cuba  
*The Object is Illuminated*, Latin Collector Gallery, New York, NY  
*White Tie & Tiara Charity Ball*, Elton John AIDS Foundation, London, England  
*Socially Active*, University Gallery, Essex, England  
*Enter Action – Digital Art Now*, ARoS Aarhus Kunstmuseum, Denmark  
*Emergentes*, Telefónica, Santiago, Chile  
*Conjugaciones: Arte Contemporaneo*, Museo de los pintores Oaxaqueños, Oaxaca, Mexico
- 2008 *Haunch of Venison Gallery*, New York, NY  
*Asedio*, Museo Universitario de Arte Contemporáneo, Mexico City, Mexico  
*In Memoriam Albert Hofmann*, Laberinto de la Ciencia y Las Artes, Jumex Collection, San Luis Potosi, Mexico  
*Fifth Floor: Ideas Taking Space*, Tate Liverpool, Liverpool, England  
*The Prisoner's Dilemma: Selections from the Ella Fontanals-Cisneros Collection*, Cisneros Fontanals Art Foundation, Miami, FL  
*Prospect.1: A Biennial for New Orleans*, New Orleans, LA  
*Kunstmuseet*, Køge, Denmark  
*Turn and Widen*, 5<sup>th</sup> Seoul International Media Art Biennale, Seoul, South Korea  
*YOUiverse*, 3<sup>rd</sup> International Biennial of Seville (BIACS), Seville, Spain  
*The Art of Participation*, San Francisco Museum of Modern Art, San Francisco, CA  
*Emergentes*, Centro Fundación Telefónica, Lima, Peru  
*Jumex Collection: New Acquisitions*, San Luis Potosi, Mexico  
*Synthetic Times*, National Museum of China, Beijing, China  
*No es Natural*, Centro de Cultura Contemporánea Tabakalera, San Sebastián, Spain in collaboration with the Daros-Latinamerica Collection

- Phantasmagoria: Specters of Absence*, Fisher Gallery, University of Southern California, Los Angeles, CA  
*Phantasmagoria: Specters of Absence*, McColl Center for Visual Art, Charlotte, NC  
*New Zealand Festival*, Te Papa Museum, Wellington, New Zealand  
*Intruders*, Musée National des Beaux-Arts du Québec, Québec City, Canada  
*Phantasmagoria: Specters of Absence*, Ringling Museum of Art, Sarasota, FL  
*Maquinas y Almas*, Museo Nacional Centro de Arte Reina Sofía, Madrid, Spain  
2007 *Phantasmagoria: Specters of Absence*, University of Southern California, Fisher Gallery, Los Angeles, CA  
*e-art: New Technologies and Contemporary Art - Ten Years of Accomplishments by the Daniel Langlois Foundation*, Musée des Beaux-Arts, Montréal, Canada  
*Auto Emotion: Autobiography, Emotion and Self-Fashioning*, The Power Plant Contemporary Art Gallery, Toronto, Canada  
Art Basel Unlimited, Art 38 Basel Fair, Basel, Switzerland  
Cultural Capital of Europe Festival, *Luxembourg*  
The Cisneros Fontanals Art Foundation, Florida, Miami, FL  
*Automatic Update*, Museum of Modern Art, New York, NY  
*Floating Artworks*, TD Centre, Art Gallery of Ontario, Toronto, Canada  
*Face to Face - The Daros Collections*, The Daros Foundation, Zurich, Switzerland  
*Phantasmagoria, Specters of Absence*, ICI, Biblioteca Luis Angel Arango, Bogotá, Colombia  
*Huge*, Artcore Gallery, Toronto, Canada  
*Lines of Flight*, LEF-CAAC, Hunter College, New York, NY  
*LA Art Chelsea*, OMR Gallery, New York, NY  
*Collective One*, Galerie Guy Bärtschi, Geneva, Switzerland  
*Existencias*, Musac Museum, León, Spain  
*You\_ser*, The ZKM Center, Karlsruhe, Germany  
*Phantasmagoria: Specters of Absence*, The Contemporary Museum, Honolulu, HI  
*Emergentes*, The Laboral Art Center, Gijón, Spain  
*Fortunate Objects*, The Cisneros Fontanals Art Foundation, Miami, FL  
2006 *Pre-Emptive*, Kunsthalle Bern, Bern, Switzerland  
*Plataforma 01*, Fábrica La Constancia, Puebla, Mexico  
*Forms of Classification: Alternative Knowledge and Contemporary Art*, Cisneros Fontanals Art Foundation, Miami, FL  
*Levinas: Ethics of Encounter*, McGill University, Montréal, Canada  
*Electrohype*, Malmo, Sweden  
*Caleidoscopios*, Centro Cultural de España en Buenos Aires, Buenos Aires, Argentina  
Microwave International New Media Arts Festival, Hong Kong, China  
Digital Kunstfestival, Aarhus Art Building, Denmark  
*Only the Paranoid Survive*, Hudson Valley Center for Contemporary Art, Peekskill, NY  
National Arts Center, Mexico City, Mexico  
*Zones of Contact*, Sydney Biennial, Art Gallery of New South Wales, Sydney, Australia  
*Scrabble*, Centro Atlántico de Arte Moderno, Las Palmas, Spain  
2005 *Dataspace*, Laboratorio Alameda, Mexico City, Mexico  
Sala de Arte Público Siqueiros, Mexico City, Mexico  
*In the Line of Flight*, Tsinghua University, Beijing, China  
Galerie Guy Bärtschi, Geneva, Switzerland  
*Algorithmic Revolution*, ZKM, Karlsruhe, Germany  
Museo de arte Contemporáneo de Castilla y León, León, Spain  
Centro Cultural de España, Mexico City, Mexico  
The Cisneros Fontanals Art Foundation, Miami, FL  
*Dataspace*, Conde Duque Art Center, Madrid, Spain  
Art Basel Unlimited, Art 36 Basel Fair, Basel, Switzerland  
bitforms gallery, Seoul, South Korea  
Musée d'Art Contemporain, Elektra Festival, Montréal, Canada  
*Art Meets Media*, ICC, Tokyo, Japan  
*Subtitled Public*, Salón Bancomer, Museum of Modern Art, Mexico City, Mexico  
*Literal Intervention* at Centro Atlántico de Arte Moderno, Las Palmas, Spain  
2004 *LOOP*, Galería Metropolitana, Barcelona, Spain  
*Techniques of the Visible*, Shanghai Biennial, Shanghai Art Museum, Shanghai, China  
*SAT*, Montréal, Canada  
*Navigator exhibition*, National Taiwan Museum of Fine Arts, Taichung, Taiwan  
*33 Questions per Minute, Relational Architecture No. 5*, SAT, Montréal, Canada  
Los Angeles Museum of Contemporary Art, Digital Gallery, Los Angeles, CA  
2003 *Literal Intervention*, Paris Photo, Statement Project Room, Paris, France  
*The Radiant City Exhibition*, Fundación Bancaja, Valencia, Spain  
*Open, New Designs for Open Space*, Van Alen Institute, New York, NY  
Duisburg Akzente, Duisburg, Germany  
*Ill Communication*, Dundee Contemporary Art, Dundee, Scotland

- Fête des Lumières, Place Bellecour, Lyon, France  
*Critical Conditions*, Wood Street Gallery, Pittsburgh, PA
- 2002 *Place du Capitole, Printemps de Septembre* Festival, Toulouse, France  
*Liverpool Biennial*, produced by FACT, Liverpool, England  
 OK Centrum, Ars Electronica Festival, Linz, Austria  
 SAPPHIRE '02, Lisbon, Portugal  
*E-phos Festival*, Athens, Greece  
*6th International Festival for Architecture in Video*, Florence, Italy  
*Emoção Art.ficial*, Itau Cultural, Sao Paulo, Brazil  
*Cibervisión 2*, Conde Duque, Madrid, Spain  
*Opening of Artium*, Basque Contemporary Art Museum, Vitoria-Gasteiz, Spain  
*Resonancias*, Observatori, Valencia, Spain
- 2001 *Egofugal*, 7<sup>th</sup> International Istanbul Biennial, Istanbul, Turkey  
 Inaguración del Centro-Museo Vasco de Arte Contemporáneo Artium, Vitoria-Gasteiz, Spain  
 MAD '01, Ifema, Madrid, Spain  
*Media Arts Festival*, Tokyo Metropolitan Museum of Photography, Tokyo, Japan  
*Interactiva '00*, Museo de Arte Contemporáneo, Mérida, Mexico  
 Foto/Graphik Galerie Kaethe Kollwitz, Berlin, Germany
- 2000 7<sup>th</sup> Bienal de la Habana, Havana, Cuba  
 International Festival for Architecture in Video, University of Florence, Florence, Italy  
*Mediaterra 2000*, Fornos Center, Athens, Greece  
*Split*, Splitski Filmski Festival, Croatia  
*File*, Museum of Image and Sound, São Paulo, Brazil  
*Art electrònic a Espanya*, Sala d'Exposicions de la Caixa de Sabadell, Sabadell, Spain  
 OK Centrum, Ars Electronica Festival, Linz, Austria  
 Medienkunstpreis, ZKM, Karlsruhe, Germany  
 Next Festival, Karlstad, Sweden  
*Yo y mi Circunstancia*, Musée des Beaux-Arts, Montréal, Québec, Canada
- 1999 *Re:Positioning Fear, Relational Architecture No. 3*, Interactive Urban Landscapes, Copenhagen, Denmark  
 Art Futura Festival, Sevilla, Spain  
*The Trace, Remote Insinuated Presence*, Musée des Beaux Arts: Yo y mi Circunstancia, Montréal, Canada
- 1998 *Image architettura in movimento, Re:Positioning Fear, Relational Architecture No. 3*, Turin, Italy  
*Re:Positioning Fear, Relational Architecture No. 3*: Festival de Video de Navarra, Pamplona, Spain  
 Viper 98 webart selection, Lucerne, Switzerland  
*Lo Mejor de los dos Mundos*, Cuenca, Spain
- 1997 *Arte Virtual, Realidad Plural*, Museo de Monterrey, Monterrey, Mexico  
 3rd Internationale Biennale Film+Architektur, Graz, Austria  
*Remote Sensations*, Ars Electronica Festival, Linz, Austria  
*The Able Skin*, MOPU, Festival Internacional de Info-arquitectura, Madrid, Spain
- 1996 Apple Computer, Cupertino, CA  
*Idle Hands*, Nova Scotia Community College, Halifax, Canada  
*The Trace, Remote Insinuated Presence*, Actual, Logroño, Spain
- 1995 *Idle Hands*, Forskningscentrum fur Informatik, University of Karlstad, Karlstad, Sweden  
 European Media Art Festival, Osnabrück, Germany  
*The External Interior (Interactive Spectator)*, Galeria Cruce, Madrid, Spain  
*The Trace, Remote Insinuated Presence*, Theater, Music, Dance and New Technologies, Torino, Italy  
*The Trace, Remote Insinuated Presence*, Museo Nacional Reina Sofia, Infografía en España series, Madrid, Spain
- 1993 Akademie der Bildenden Kunste, Nuremberg, Germany  
*Tomorrow's Realities*, SIGGRAPH, Anaheim, CA  
 2!M VR Exhibition, Comunidad de Madrid, Madrid, Spain  
*En-red-arte*, Círculo de Bellas Artes, Madrid, Spain
- 1992 *History is a Rolodex*, photo installation  
*Memoires Vives*, Infographie Canada, Montréal, Canada
- 1992 *On the Same Hand but in a Different Vein*, Galerie Stornaway, Montréal, Canada
- 1990 *The Dancers Answer Questions*, Banff National Park, Alberta, Canada

## AWARDS

- 2016 Compagnon des Arts et des Lettres du Québec, Conseil des Arts et des Lettres du Québec, Québec, Quebec, Canada
- 2015 Governor General's Award in Visual and Media Arts 2015, Canada Council for the Arts, Ottawa, Ontario, Canada
- 2013 Event of the Year: Open Air Philadelphia, Philadelphia Geek Awards, Philadelphia, PA

- Premio Mentis Quo+Discovery, Quo Magazine and Discovery Channel, Mexico City, Mexico
- 2012 Joyce Award, The Joyce Foundation, Chicago, IL
- 2011 Knights Arts Challenge for *Open Air*, Philadelphia, PA  
National Endowment for the Arts grant for *Open Air*, Washington, DC
- 2005 BAFTA British Academy Award for Interactive Art, London, England
- 2003 World Technology Network Award for the Arts, San Francisco, CA  
Rockefeller-Ford Fellowship, New York, NY  
Production grant from the Daniel Langlois Foundation, Montréal, Canada  
Artist/Performer of the year, Wired Magazine Rave Awards, San Francisco, CA  
Foreign Affairs ACA Grant, Canada  
Trophée des Lumières, Lyon, France
- 2002 Best Interactive Installation, HorizonZero, Banff, Canada  
International Bauhaus Award, 1st Prize, Dessau, Germany  
BAFTA British Academy Award for Interactive Art, London, England  
Interactive Media Design Review, Gold Award, I.D. Magazine, USA  
Ars Electronica, Interactive Art Distinction, Linz, Austria
- 2001 Foundation Daniel Langlois, Jury Member, Montréal, Québec, Canada  
Media Arts Grant, Canada Council for the Arts, Canada
- 2000 Excellence Award, Media Arts Festival, CG Arts, Tokyo, Japan  
Medienkunstpreis, Finalist, ZKM, Karlsruhe, Germany  
Ars Electronica, Interactive Art Golden Nica, Linz, Austria  
SFMOMA Webby Awards, Distinction, San Francisco, CA
- 1998 Ars Electronica, Interactive Art Honorable Mention, Linz, Austria
- 1996 Interactive Digital Media Awards, Best Installation, Toronto, Canada
- 1995 Cyberstar, 2nd Prize, Cologne, Germany  
Ars Electronica, Interactive Art Honorable Mention, Linz, Austria
- 1994 Canada Council Computer Integrated Media Grant, Canada
- 1993 ICEX España, Travel Grant, Spain  
Communications Canada, Equipment Grant, Canada
- 1992 External Affairs Canada, Travel Grant, Canada
- 1991 Canada Council, Touring Office Grant, Canada  
Canadian Consulate Grant, New York, NY  
Ministère des Affaires Culturelles du Québec, Canada

## WEB PROJECTS

- 2012 *Open Air*, Benjamin Franklin Parkway, Philadelphia, PA <http://openairphilly.net>
- 2004 Los Angeles Museum of Contemporary Art, Digital Gallery, Los Angeles, CA
- 2003 *Amodal Suspension, Relational Architecture No. 8* <http://www.amodal.net>  
*Re:Positioning Fear, Relational Architecture No. 3* <http://rhizome.org/object.rhiz?2398>
- 1999 *Vectorial Elevation, Relational Architecture No. 4* <http://alzado.net>

## RESIDENCIES AND WORKSHOPS

- 2005- NRC, Institute for Research in Construction, Ottawa, Canada  
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- 2003 Taller HUMO, Interfacing Realities Master Class, AEC Linz, Austria
- 2000 University de Karlstad, Sweden
- 1999 SAGAs Writing Interactive Fiction, Munich, Germany
- 1994 Centro Nacional de las Artes, Mexico City, Mexico
- 1993 Universidad Complutense de Madrid, Spain
- 1990 Banff Centre for the Arts, Alberta, Canada

## LECTURES, PRESENTATIONS, AND SCREENINGS

- 2021 Arts and Cybernetics, Anna University, 3rd Annual Conference on Norbert Weiner in the 21st Century, Chennai, India  
Conversations and Cocktails, San Francisco Museum of Modern Art, San Francisco, CA  
Prototipos en Antimodular (UNAM), Cátedra Max Aub, Mexico City, México  
Conversation with María Fernández, Museum of Art and Design, Miami Dade College, Miami, FL  
ART ALGORITHMS: Future of the Past, Itaú Cultural initiative, São Paulo, Brazil  
Katharine A. Pearson Chair art panel on Art and Civil Society, McGill University, Montréal, Canada

- Public Memorials & Social Memory, Biennial of the Americas, Denver, CO  
 Festival International du Film sur l'Art, Montréal, Canada  
 Después del COVID: arte para el duelo y para la congregación, Escuela de Arquitectura, Arte y Diseño (Tec de Monterrey), Monterrey, México
- 2020 Cátedra de Artes UDLAP, Universidad de las Américas Puebla, San Andrés Cholula, México  
 Public Art Fund Talks: Rafael Lozano-Hemmer, Public Art Fund, New York, NY  
 Après une Pandémie, l'Art pour des Expériences Partagées, HUB Montréal, Montréal, Canada,  
 Public Projection: Projection as a Tool for Expression and Communication in Public Space, Harvard Graduate School of Design, Cambridge, Massachusetts  
 Screening and Conversation with Rafael Lozano-Hemmer, Art21, New York, NY  
 Charla con Rafael Lozano-Hemmer, Arte Abierto, Sordo Madaleno Arquitectos, Mexico City, México  
 Catherine D'Amours en Conversation avec Rafael Lozano-Hemmer, L'école de design de l'UQAM, Montréal, Canada  
 ITAC5 - Dialogic Public Art, International Teaching Artist Collaborative, Seoul, South Korea  
 Best Practices for the Conservation of Media Art from an Artist's Perspective, Ars Electronica Festival, Linz, Austria  
 Networked Archives, Ars Electronica Festival, Linz, Austria  
 Artful Anywhere Exhibit Visit with Rafael Lozano-Hemmer, Artful Jaunts, Montréal, Québec, Canada,  
 Presentation at Eyeo Festival, Walker Art Center, Minneapolis, MN  
*Megalodemocrat* screening, Northwest Film Festival, Seattle, WA  
*Megalodemocrat* screening, DART Film Festival, Santiago, Chile
- 2019 *Megalodemocrat* screening, FICUNAM Festival, Mexico City, Mexico  
*Megalodemocrat* screening, Orange County Museum of Art, Santa Ana, CA  
*Rafael Lozano-Hemmer and Krystof Wodiczko*, Daniels Faculty of Architecture, University of Toronto, Toronto, Ontario, Canada (forthcoming)  
 Screening and Conversation on *Megalodemocrat: The Public Art of Rafael Lozano-Hemmer*, Hirshhorn Museum and Sculpture Garden, Washington DC  
*Rafael Lozano Hemmer: Pulse*, Hirshhorn Museum and Sculpture Garden, Washington DC
- 2018 *DART Festival*, Barcelona, Spain  
*TEDxCERN*, CERn, Geneva, Switzerland  
*Rafael Lozano-Hemmer*, Hirshhorn Museum and Sculpture Garden, Washington DC  
*ACADIA 2018 Conference*, Keynote Speaker, Mexico City, Mexico  
*Painting with Light: Festival of International Films on Art*, National Gallery Singapore, Singapore, Singapore  
*Art Sonore, Nouvelles technologies et espace urbain*, Rhythmopolis, Montreal, Quebec, Canada  
*Rafael Lozano-Hemmer and Krystof Wodiczko in Conversation*, Concordia University, Montreal, Quebec, Canada  
*Artist Talk: Rafael Lozano-Hemmer*, North Carolina Museum of Art, Raleigh, NC  
*Conversation with Samuel Bianchini and Emanuele Quinz*, Musée d'Art Contemporain de Montréal, Montreal, Quebec, Canada
- 2017 *Latin GSD Symposium 2018*, Harvard University Graduate School of Design, Cambridge, MA  
*IALD Enlighten Americas 2017*, International Association of Lighting Designers, Denver, CO  
*Future Shock*, Site Santa Fe, Santa Fe, NM  
*"Techs-Mechs" A Run-Through the History of Mexican Technological Culture*, MUTEK, Montréal, Québec, Canada  
*Curated Conversations*, Lahore Biennale 01, Lahore, Pakistan  
*IALD*, Denver Union Station, Denver, CO; Utah Museum of Fine Arts, Salt Lake City, UT  
*Symbolic Reparations Symposium*, Harvard University, Cambridge, MA  
*Mextrópolis-Festival Internacional de Arquitectura y Ciudad*, TBD, Mexico City, México  
*Inst-Int Conference*, Inst-Int Conference, New Orleans, LA  
*Lecture at Director's Circle dinner*, SFMOMA, San Francisco, CA  
*Symposium: It is Forbidden not to Participate*, Pérez Art Museum Miami, Miami, FL
- 2016 *Conversation with Ed Shanken*, Gund Gallery, Gambier, OH  
*Best practices for conservation of media art from an Artist's perspective - Topics in Time-based Media Art Conservation*, The Institute of Fine Arts, New York University, New York, NY  
*Media Architecture Summit 2016*, TIFF Bell Lightbox, Toronto, Ontario, Canada  
*Media in the Expanded Field*, Fundación Casa Wabi, Puerto Escondido, México  
*Preabsence*, Hochschule für Gestaltung und Kunst FHNW, Basel, Switzerland  
*American Institute of Conservation - 44th Annual Meeting*, Palais des Congrès de Montréal, Montréal, Québec, Canada  
*Rafael Lozano-Hemmer and Rudolf Frieling in conversation*, Zona Maco Art Fair, Mexico City, Mexico  
*Conversations in Contemporary Art*, Concordia University, Montréal, Québec, Canada
- 2015 *Keynote*, Museo Universitario Arte Contemporáneo, Mexico City, Mexico  
*Conversation with Krzysztof Wodiczko*, Museo Universitario Arte Contemporáneo, Mexico City, Mexico  
*Miercoles de SOMA*, SOMA, Mexico City, México  
*Conference in the International Congress of Museums*, Museo Universitario Arte Contemporáneo, Mexico City, Mexico  
*Explaining Public Art*, Symposium, Madison Square Park, New York, NY

- IMDA Presentation – ELEKTRA 16, Phi Centre, Montréal, Québec, Canada  
*Let's Talk Forum*, Kochi-Muziris Biennale Kochi, Kochi, India
- 2014 Keynote presentation "Monument / Anti-monument conference," Laumeier Sculpture Park, St. Louis, MS  
 Round Table *Vida Art and A-life Awards*, Fundación Telefónica, Madrid, Spain  
 Penny Stamps Distinguished Speaker, University of Michigan, Detroit, MI
- 2013 Panelist, *Gutai as Science Fiction*, Guggenheim Museum, New York, NY  
 Presentation, *7 on 7*, New Museum, New York, NY  
 Keynote, Eyeo Festival, Minneapolis, MN  
 Presentation, North Carolina Museum of Art, Raleigh, NC  
 Presentation, University of North Carolina, Chapel Hill, NC  
 Duke University, Durham, NC
- 2012 San Francisco Museum of Modern Art, San Francisco, CA  
*Open Air*, Richard Sommer and Rafael Lozano-Hemmer in conversation, PennDesign, The University of Pennsylvania, Philadelphia, PA  
*Performing Freedom: Art, Spectacle and Agency in Public*. Panel discussion with Steve Dietz, Adelina Vlas and Penny Balkin Bach, Philadelphia Museum of Art, Philadelphia, PA  
 Lecture, Turbinenhalle, Jahrhunderthalle, Bochum, Germany
- 2011 *Antimonuments and Subsculptures*, Sydney Opera House, Sydney, Australia  
*Art, Design, and Public Domain Lecture Series*, Harvard University, Graduate School of Design, Cambridge, MA  
*The Culture of Ubiquitous Information*, Danish Architecture Center, Copenhagen, Denmark  
 IFACCA 5th World Summit on Arts and Culture, Melbourne, Australia  
 Keynote, Institute for Comparative Modernities, Cornell University, Ithaca, NY  
 Keynote, Arnold Hall, SCAD, Savannah, GA
- 2010 Manchester Art Gallery, Manchester, England  
 Keynote, CHIN Digital Heritage Symposium, Vancouver, Canada  
 Keynote, ON. Fire National Media Arts Conference, Toronto, Ontario, Canada  
 University of Southern California, Los Angeles, CA  
 CCA, Montréal, Canada  
 Fairmount Park Art Association, Philadelphia, PA  
 Art Museum of the Americas, Washington, D.C.
- 2009 *Conversations on Contemporary Art with Glenn D. Lowry*, Museum of Modern Art, New York  
*Conscious Connections*, Featured speaker, Association of Performing Arts Presenters 52<sup>nd</sup> Annual Members Conference, New York, NY  
 Université de Montréal, Montréal, Canada  
 Concordia University, Québec, Canada  
 Keynote, Adelaide Film Festival, Adelaide, Australia  
 21<sup>st</sup> Century Museum of Contemporary Art, Kanazawa, Japan
- 2008 *Frequency and Volume*, The Barbican Centre, London, England  
 Institute of Contemporary Arts (ICA), London, England  
 Goldsmiths College, London, England  
 Science Museum, London, England  
 Musée des Beaux-Arts, Montréal, Canada  
*Antimonuments and Subsculptures*. Princeton University School of Architecture, Princeton, NJ  
*Antimonuments and Subsculptures*. Parsons the New School for Design and Cooper Union, NY  
 Edith Ruß Haus für Medienkunst, Oldenburg, Germany
- 2007 Tate Modern, London, England  
 Fondazione Bevilacqua la Massa, Venice, Italy  
 Power Plant, Toronto, Canada
- 2006 NTT InterCommunications Center [ICC], Tokyo, Japan  
 Art Gallery of New South Wales, Sydney, Australia  
 Bartlett School of Architecture, London, England  
 Goldsmiths College, London, England  
 Logo Park, Amsterdam, The Netherlands  
 Guggenheim Museum, New York, NY  
 Concordia University, Montréal, Canada  
 Q-Arts, Derby, England
- 2005 School of Architecture, University of Lincoln, England  
 Phoenix Arts, Leicester, England  
 Broadway, Nottingham, England  
 Metro Cinema, Derby, England  
 Avenue Campus, Northampton, England  
 Loopholes Symposium, Harvard University, Cambridge, MA  
 Sala de Arte Público Siqueiros, Mexico City  
 Kodak Lecture, Ryerson, Toronto, Canada

- IVF, Victoria, Canada  
 NTT InterCommunications Centre [ICC], Tokyo, Japan
- 2004 Media Space, Stuttgart, Germany  
 Fundación Telefónica, Madrid, Spain  
 Carlos III, Madrid, Spain  
 Centro Nacional de Investigación teatral, CNA, Mexico  
 La Société des arts technologiques, Montréal, Canada  
 International Design Conference Aspen, Aspen, CO  
 Maryland Institute of Contemporary Art, Baltimore, MD  
 Universidad Carlos III de Madrid, Madrid, Spain  
 CITRU, Mexico City, Mexico
- 2003 Lower Manhattan Cultural Council, New York, NY  
 Royal College of Arts, Stockholm, Sweden  
 Yamaguchi Center for Arts and Media, Yamaguchi, Japan  
 Festival international nouveau Cinéma nouveaux Médias, Montréal, Canada  
 Canadian Embassy, Tokyo, Japan  
 Laboratorio Arte Alameda, Mexico City, Mexico  
 Making Art of Databases, V2\_Organisatie, Rotterdam, The Netherlands  
 California Science Center, Los Angeles, CA  
 Museum of Fine Arts, Boston, MA  
 Digifest, Toronto, Canada  
 Emily Carr Institute of Art and Design / UBC, Vancouver, Canada  
 ARCO, Madrid, Spain
- 2002 Bauhaus, Dessau, Germany  
 MIT MediaLab, Cambridge, MA  
 National Research Council of Canada, IMI Montréal and IRC Ottawa, Canada  
 Arts International, Rhizome Blender, New York, NY  
*Museums as Media Symposium*, Guggenheim Museum, New York, NY  
*Subtle Technologies conference*, University of Toronto, Canada  
 University of California Los Angeles, Art department, Los Angeles, CA  
*Art in Motion lecture series*, Los Angeles Museum of Contemporary Art, Los Angeles, CA
- 2001 *Transurbanism*, Netherlands Architecture Institute, V2, Rotterdam  
*Interventions Symposium*, National Museum of Photography, Bradford, England  
 Istanbul Biennial, Istanbul, Turkey  
*Engineers of Experience*, Ars Electronica Festival, Linz, Austria  
 Yamaguchi Center for Arts and Media, Yamaguchi, Japan  
*Media Arts and Culture Colloquium*, Wexner Center, Columbus, OH  
 School of the Art Institute of Chicago, Chicago, IL  
 Art, Technology and Culture Colloquium, UC Berkeley, CA  
 Santa Rosa College, Santa Rosa, CA  
 Transmediale, Berlin, Germany
- 2000 Center for the Arts and Humanities, SUNY Albany, Albany, NY  
 Prix Ars Electronica Forum, Linz, Austria  
 Next Conference, Karlstad, Sweden
- 1999 Consejo de la artes de Nuevo Leon, Monterrey, Mexico
- 1998 Dutch Electronic Art Festival, Rotterdam, The Netherlands  
 Virtual Museum Symposium, Arch Foundation, Salzburg, Germany  
 Viper, Webart selection, Lucerne, Switzerland  
 Universidad de Granada, Granada, Spain  
 In Art Festival, Tenerife, Canary Islands  
 Imagina, Le Sense du Numerique, Monaco
- 1997 Jornadas El Objeto Inmaterial, Trasmforma, Vitoria-Gasteiz, Spain  
 Keynote, IATM conference, Palacio de Correos, Madrid, Spain  
*Seminario Conocimiento del Arte*, Residencia de Estudiantes, Madrid, Spain
- 1996 Festival Sonar, Barcelona, Spain  
 Seminario de Paul Hertz, Politécnico, Valencia, Spain  
 Seminario Ciberarte, Fundación CAM, Alicante, Valencia & Murcia, Spain  
 ARCO Art Fair, Madrid, Spain  
 Milia, Cannes, France
- 1995 Ciber-ría Festival, Bilbao, Spain  
 Art Futura Festival, Madrid, Spain  
 Jornadas Sobre Arte y Comunicación Multimedia, Politécnico, Valencia, Spain  
*Learning in Networks Conference*, University of Karlstad, Sweden  
 Universidad Nacional Autónoma de Mexico, Department of Art, Mexico City, Mexico  
 Tecnológico de Monterrey, Department of Communications, Monterrey, Mexico
- 1994 Fundacion Arte y Tecnología de Telefónica, Madrid, Spain

- Universidad Autónoma Metropolitana, Azcapotzalco, Department of Design, Mexico City, Mexico  
 Consejo de Ciencia y Tecnología CONACYT, Mexico City, Mexico  
 Museo de Antropología, Mexico City, Mexico
- 1993 ARCO Art Fair, Madrid, Spain  
 Concordia University, Department of Design, Montréal, Canada  
 Canadian Studies Association, Pamplona, Spain  
 Concordia University, Communications Department, Montréal, Canada
- 1992 Oboro Gallery, Montréal, Canada  
 York University, Social and Political Science Department, Toronto, Canada  
 Ontario College of Art, Media Arts Department, Toronto, Canada

## RADIO AND RADIO ART

- 1987-92 *The Postmodern Commotion*, CKUT 90.3FM weekly radio program, co-host and producer, Montréal, Canada
- 1991 *Read my Blips*, electroacoustic music piece, International Radio Conference, McGill University, Montréal, Québec, Canada
- 1990 *Hysterical Male*, radio art piece, accompanying the book of the same name by Arthur and Marilouise Kroker, St. Martin's Press, New York, NY  
 Radio 89.9FM, Radio station manager, Banff Centre, Alberta, Canada  
*Becoming Nobody*, electroacoustic music piece, CBC Radio, Printemps Electroacoustique, Montreal, Canada  
 SAW Gallery, Radio Art Exhibition, Ottawa, Canada
- 1989 *Panic Encyclopedia Cassette*, co-creator with Arthur and Marilouise Kroker, New World Perspectives, Montréal, Canada

## CURATING

- 2003 Co-director with Brian Massumi, Hugué and Mobile (HUMO) workshop, Linz. Supported by V2 and the Ars Electronica Center
- 1998-04 Coordinator, "Life X.0", International Competition, Madrid. Artificial life competition and exhibition, Sponsored by the Telefonica Foundation, Spain
- 1996 Chair, "5Cyberconf", 5th International Conference on Cyberspace, Madrid. Conference featuring 7 keynote speeches, 18 papers, and 2 performances
- 1994 "Arte Virtual, 12 Propuestas de Arte Reactivo", Madrid, May 1994. Exhibition featuring sixteen artists from eight countries presenting technological art in an old abandoned metro station under Madrid's Opera house. Apart from the exhibition there was a TV program, three conferences, one catalog and two performances.

## RESEARCHING AND ADVISING

- 2013 Frank Gehry Chair, University of Toronto, Canada
- 1998-ongoing Co-creator and organizer, *Life x.0*, International Art and A-life Competition, Madrid, Spain  
 Telefonica Foundation Sponsorship
- ongoing International Advisory Committee, Inter-Society for the Electronic Arts (ISEA)
- 2003 Research and Creativity Committee, Hexagram, Montréal, Canada  
 Jury, Latin-American Experimental Hypermedia Center, Buenos Aires, Argentina
- 2001 Living in Mixed Realities, GMD conference, International Committee, Bonn, Switzerland  
 Jury, Foundation Daniel Langlois, Montreal, Canada
- 1998 "System for 3D tracking of a remote point," International Patent, WIPO # 9814798A1
- 1996 Chair and co-organizer, 5th International Conference on Cyberspace "5Cyberconf," Madrid, Art and Technology Foundation Sponsorship, Spain
- 1995 Corresponding Editor, Multimedia Graphics I, Mediamatic Interactive Publishing, Amsterdam, The Netherlands  
 Prix Milia d'Or, Grand Jury, Cannes, France
- 1994 Curator, *Arte Virtual, 12 Propuestas de Arte Reactivo*, Madrid, Spain
- 1993 Jury, Video ARCO, Madrid, Spain

## PUBLICATIONS

- 2011 Lozano-Hemmer, Rafael, "Recorders", Manchester Art Gallery, Manchester, England, September 18, 2010 –

- January 30, 2011 12, 62 pages, color ills.
- 2008 "MAD.SQ. Art 2008. Rafael Lozano-Hemmer: Pulse Park", Madison Square Park Conservancy, October 24 – November 12, 2008, 20 pages, color ills.
- 2007 Lozano-Hemmer, Rafael, "Some Things Happen More Often Than All of the Time" (Algunas cosas pasan más veces que todo el tiempo), Turner, 176 pages
- Lozano-Hemmer, Rafael, "Under Scan," *emda and Antimodular*, 120 pages
- 2006 Lozano-Hemmer, Rafael, "Subsculptures", Galerie Guy Bartschi, Geneva, Switzerland, November 5, 2005 – January 14, 2006, 64 pages, color ills.
- 2004 Lozano-Hemmer, Rafael, "The Relational Museum," Proceedings of the International Association of Telecommunication Museums, London, England.
- Lozano-Hemmer, Rafael and Gómez-Peña, Guillermo, "Tech-IIIa Sunrise," *Aztlán 29*, no.1 Spring
- 2003 Lozano-Hemmer, Rafael, Espacio de Alienación, TELOS – Cuadernos de comunicación, tecnología y sociedad (Madrid), no. 56, July – September
- 2000 Lozano-Hemmer, Rafael (ed.) "Vectorial Elevation, Relational Architecture No. 4," Conaculta Press, 346 pages, color ills.
- 1999 Lozano-Hemmer, Rafael "Re: Positioning Fear," *Archis*, Netherlands
- Lozano-Hemmer, Rafael, "Relational Architecture," Performance Research, Routledge, London, England
- Lozano-Hemmer, Rafael, "Utterance 4 – Relational Architecture," *Performance Research*, vol. 4, no. 2, Summer, 1999
- 1998 Lozano-Hemmer, Rafael, "Re: Positioning Fear, Relational Architecture #3", 3. Internationale Biennale Film und Architektur, Graz, Austria
- Lozano-Hemmer, Rafael, "Displaced Emperors, Relational Architecture #2", *FleshFactor*, Ars Electronica, Linz, Austria
- 1997 Lozano-Hemmer, Rafael, "Arte Electrónico: Pervirtiendo lo tecnológicamente correcto," Movimiento Actual, Monterrey, Mexico, December
- Lozano-Hemmer, Rafael, "The Trace: Remote Insinuated Presence", YLEM, September
- Lozano-Hemmer, Rafael, "Floating Trout Space, Interview with Lawrence Paul Yuxweluptun," Telepolis, Heise online, July
- Lozano-Hemmer, Rafael, "Del tecno-parásito al cibernauta," Lateral, Spain, June
- 1996 Lozano-Hemmer, Rafael, Ramsay, Susie, "Spain Wide Web," Telepolis, Heise online, April
- Lozano-Hemmer, Rafael, "Televerkörperung in Trace," Kunstforum International, Germany, January
- Lozano-Hemmer, Rafael, "The Trace," Ars Electronica '95 Compendium, Veranstaltungsgesellschaft, Linz, Austria
- Lozano-Hemmer, Rafael, Perverting Technological Correctness, Leonardo, MIT Press, Cambridge, MA
- 1995 Tee, O.S., Mazza, C., Lozano-Hemmer, R. and Giorgi, J.B., "Ester Cleavage by Cyclodextrins in Aqueous Dimethyl Sulfoxide Mixtures: Substrate Binding versus Transition State Binding," *Journal of Organic Chemistry*, 59, 7602-7608. American Chemical Society, Washington
- Lozano-Hemmer, Rafael, "Arte Virtual y Reactivo," Catálogo de Arte Virtual, Electa, Spain
- 1994 Lozano-Hemmer, Rafael, "Surface Tension," Visual Proceedings, ACM Siggraph, Chicago, IL
- Lozano-Hemmer, Rafael, "IMmediaCY," Endo und Nano, Die Welt von Innen, Verlagsgesellschaft, Linz, Austria
- 1993 Lozano-Hemmer, Rafael, "Virtual Reality," Bioapparatus, The Banff Centre For The Arts, Canada
- 1991 Lozano-Hemmer, Rafael, Lozano-Hemmer, Rafael. "Cyborg Fictions," *Virtual Seminar on the Bioapparatus*, Banff: The Banff Centre for the Arts, p. 79

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- Staff Report. "Interactive Art Installation Border Tuner Leaves Sister City with Memories, Dialogue, Legacy," *El Paso Herald Post*, November 27
- Estiler, Keith. "Artist Sparks U.S.-Mexico Border Conversation with Interactive Installation," *Hypebeast*, November 25
- Romo, David, D. "Artist Rafael Lozano-Hemmer on the Importance of Telling Complex, Nuanced Border Stories," *Texas Observer*, November 25
- Cruz, Araceli. "An Artist Set Up An Installation At The Us-Mexico Border Allowing People To Communicate Freely," *mitu*, November 25
- Vasquez, Sarah, M. "An Installation Traverses Texas and Mexico to Promote Cross-Border Communication," *Hyperallergic*, November 22
- Editor. "Tens of thousands interact with 'Border Tuner'; Installation reaches mid-point," *El Paso Herald Post*, November 21
- Editors. "Rafael Lozano-Hemmer's 'Border Tuner'," *BBC In the Studio*, November 19
- Kocherga, Angela. "Interactive public art exhibit spotlights border voices," *Albuquerque Journal*, November

- Acosta, Dave. "'Border Tuner' comes alive with sound, light," *El Paso Inc*, November 15
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- McGlone, Peggy. "The latest word on Planet Word: Downtown D.C.'s language museum is set to open in May," *The Washington Post*, November 7
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- Stone, Leilah. "ArtPrize brings an inaugural biennial to Grand Rapids," *The Architect's Newspaper*, September 30
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- Selvin, Claire. "Art En Route: Montreal Museum of Fine Arts Gets a Second Rafael Lozano-Hemmer Installation, Christie's Sells King Tutankhamun Sculpture for \$6 M., and More," *ArtNews*, July 8
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- "Exhibit to Explore Great Scientific Mystery through Art," *Pr Newswire*, June 6
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- "Rafael Lozano-Hemmer at the MAC: An embodied experience," *Newswire Canada*, May 23
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- Clément, Eric. "Montreal Museum of Contemporary Art: the plan for its transformation unveiled," *La Presse*, April 9

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- Howe, Brian. "NCMA Throws an All-Nighter to Celebrate New Immersive Exhibit *You Are Here: Light, Color, and Sound Experiences*," *Indy Week*, April 5
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- Dunlevy, T'cha. "Kahlo to Nagano: Festival international du film sur l'art draws us in," *Montreal Gazette*, March 7
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- Francis, Hannah. "NGV dumps Wilson Security after artists protest against detention links," *The Age*, February 28
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- Carrilo, Jonathan F. "The Biometric Art of Rafael Lozano-Hemmer," *Codigo Tlaxcala*, August 16
- "Rafael Lozano-Hemmer's kinetic sculpture featured at University of Michigan Museum of Art," *Artfix Daily*, April 10
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- Campos, P., "La guía definitiva del selfie en ARCO," *El Confidencial*, February 23.
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- Eckersley, N., "Valentine's Day synchronicity: heartbeats make music in a Melbourne park," *The Guardian*, February 13.
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- "Visionarios: Rafael Lozano-Hemmer, creador de arte vivo," *The Creators Project*, Mexico, December 9
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## SELECTED COLLECTIONS

21C Museum, Louisville, KY  
 21<sup>st</sup> Century Museum of Contemporary Art, Kanazawa, Japan  
 Art Gallery of Ontario, Toronto, Canada  
 Art Stations Foundation – Grażyna Kulczyk Collection, Poznań, Poland  
 AT&T Collection, Houston, TX  
 Borusan Contemporary, Istanbul, Turkey  
 Caisse de dépôt et placement du Québec, Montréal, Canada  
 Cisneros Fontanals Art Foundation (CIFO), Miami, FL  
 Colección de Arte de la Comunidad de Madrid, Madrid, Spain  
 Colección Femsa, Monterrey, Mexico  
 Colección Gelman, Mexico  
 Colección Jumex, Mexico City, Mexico  
 Collection Jean et Collette Cherqui, France  
 DAROS Latinamerica Collection, Zurich, Switzerland  
 Fidelity Investments, Boston, MA  
 FRAC Collection Aquitaine, Bordeaux, France  
 Fundacion Cultural, New York, NY  
 Fundación Privada Sorigué, Lleida, Spain  
 Fundación Telefónica, Madrid, Spain  
 Jonathon Carroll Collection, London, England  
 Karin Srb Collection, Munich, Germany  
 Manchester Art Gallery, Manchester, England  
 MUAC - Museo Universitario Arte Contemporáneo, Mexico City, Mexico  
 MUSAC - Museo de Arte Contemporáneo de Castilla y León, Spain  
 Musée d'art contemporain de Montréal, Montréal, Canada  
 Museo Nacional Centro de Arte Reina Sofía, Madrid, Spain  
 Museum of Modern Art, New York, NY  
 Museum of Old and New Art (MONA), Hobart, Tasmania

North Carolina Museum of Art, Raleigh, NC  
National Gallery of Victoria, Melbourne, Australia  
Singapore Art Museum, Singapore  
Speyer Family Collection, New York, NY  
Steve Cohen Collection, Greenwich, CT  
Tate Modern, London, England  
Yamaguchi Center for Art and Media, Yamaguchi, Japan  
Zentrum für Kunst und Medientechnologie, Karlsruhe, Germany