



## CURRICULUM VITAE

### EDUCATION

- 1991 AKADEMIE der BILDENDEN KÜNSTE (Academy of Fine Arts), Munich, Germany.  
Fine Arts Diploma. Concentration on found object installations and video art installations.
- 1983 MASSACHUSETTS INSTITUTE of TECHNOLOGY, Cambridge, MA, USA.  
M.S. in Mechanical Engineering. Studies in Biomechanics Lab and in precursor to MIT Media Lab.
- 1979 STANFORD UNIVERSITY, Stanford, CA, USA.  
B.S. in General Engineering/Product Design. Concentration in human-machine interface design.

### COLLECTIONS:

MUSEUM of MODERN ART (MoMA), New York, NY. *Connection Machine CM-2*

WHITNEY MUSEUM of AMERICAN ART, New York, NY. *Unexpected Growth* AR installation

SAN JOSE MUSEUM of ART, San Jose, Silicon Valley, California. *Beyond Manzanar* VR installation

ROSE GOLDSSEN ARCHIVE of NEW MEDIA ART, Cornell University, Cornell, USA.

COMPUTER HISTORY MUSEUM, Silicon Valley, California. *Connection Machine CM-1*

SMITHSONIAN INSTITUTION, Washington DC. *Connection Machine CM-2*

JULIA and ANTON HOFMEIER Collection, *Nothing of Him That Doth Fade*, ceramic 3D print, AR

PEGGY and THOMAS WILL Collection, paintings from the *Mountains* series

### SELECTED AWARDS, RESIDENCIES, COMMISSIONS:

- 2020 FILM FERNSEH FONDS BAYERN (Film Commission Bayern) project development grant for a mixed reality VR installation on the elemental cycles of life.
- NANTESBUCH FOUNDATION commission for "Suspended Spring" video artwork, for the "Arts for Spring" online exhibition during the coronavirus crisis.
- "My Identity Is This Expanse," commission as guest VR artist for this VR experience by Karolina Markiewicz and Pascal Piron, with funding from FILM FUND LUXEMBOURG.
- DiMoDA 4.0 commission for a VR artwork, curated by Christiane Paul.
- GOETHE-INSTITUT MONTREAL New Nature grant.
- VIRTUAL PILGRIMAGE to MANZANAR: *Beyond Manzanar* VR online walkthrough, San Jose JAACL keynote event for the Manzanar 2020 Virtual Online Pilgrimage.
- 2019 KNIGHT FOUNDATION/MICROSOFT Immersive Technology in the Arts grant, as AR artistic advisor for Hidden Histories of San Jose Japantown, with the Japanese American Museum of San Jose, CA.
- DIGITAL GRAFFITI Artist in Residence, AR large projection *Evolution of Fish* (with /p), Alys Beach, Florida.
- 2018 WHITNEY MUSEUM of AMERICAN ART, commission: augmented reality artwork *Unexpected Growth* (with /p).
- GOETHE-INSTITUT travel grant for participation in "Programmed," Whitney Museum, New York, NY.
- iX VISIONARY PIONEER AWARD, Society of Art and Technology (SAT), Montreal, Canada

- VRHAM PEOPLE'S CHOICE AWARD for *Land of Cloud: The Cloud Deities Speak* VR artwork, Hamburg
- 2017 GOOGLE VR TILT BRUSH Artist in Residence for *Land of Cloud*, San Francisco, California
- NEA (NATIONAL ENDOWMENT FOR THE ARTS) Boston Cyberarts AR exhibit, Salem Maritime Museum, MA.
- DIE NEUE SAMMLUNG (The Design Museum) in the PINAKOTHEK DER MODERNE, AR installation and tour with curator Dr. Xenia Riemann-Tyroller, for the Lange Nacht der Museen/Long Night of the Munich Museums.
- 2015 SEATTLE ART MUSEUM, augmented reality commission for the SAM Olympic Sculpture Park, Seattle.
- DIGITAL SYNESTHESIA commission for *I am Sound* interactive installation (with Christoph Reiserer).
- 2014 ARTS COUNCIL ENGLAND grant for *Fractured Visions*, AR installation on polyopia.
- WELLCOME TRUST grant for *Fractured Visions*, AR installation on polyopia.
- AXNS Curatorial Collective commission for *Fractured Visions*, AR installation on polyopia.
- Honor roll, IT HISTORICAL SOCIETY for visual design of *Connection Machine* supercomputer.
- ARCHIVE of DIGITAL ART (ADA), Director Oliver Grau. Featured Artist.
- DUKE UNIVERSITY, Visiting artist, Experimental Documentary Studies MFA program, Durham, NC, USA.
- 2013 MACDOWELL COLONY Fellow, Peterborough, New Hampshire, USA.
- DUKE UNIVERSITY, Visiting artist, Experimental Documentary Studies MFA program, Durham, NC, USA.
- 2012 ROCKEFELLER FOUNDATION Cultural Innovation Fund award for the Caribbean Cultural Center - African Diaspora Institute, East Harlem, New York City. AR artistic and technical advisor for "Mi Querido Barrio" mobile augmented reality art, culture and history tour.
- ZERO1 BIENNIAL / SAMEK ART GALLERY (Bucknell Univ.) commission as part of Manifest.AR group
- FACT LIVERPOOL commission for bio-sensing augmented reality artworks.
- 2011-12 GOETHE-INSTITUT Second Life Artist in Residence
- 2011 DUKE UNIVERSITY, Visiting artist, Experimental Documentary Studies MFA program, Durham, NC, USA.
- 2009 IBM INNOVATION AWARD for Artistic Creation in Art and Technology, Boston Cyberarts Festival, USA.
- WORLD TECHNOLOGY AWARD nominee in the category Art, sponsored by [Time Magazine](#), [Science Magazine](#) and the American Association for the Advancement of Science.
- 2007 HAUPTSTADTKULTURFONDS (Berlin Capital City Fund) award, Berlin, Germany.
- 2006 YOUNG ART/NEW MEDIA (Junge Kunst/Neue Medien) AWARD of Munich/Bavarian State Capital City.
- 2004 MASSACHUSETTS INSTITUTE of TECHNOLOGY, CAVS, Cambridge, MA, USA. Research fellow.
- 2003 JAPAN FOUNDATION Fellowship and KYOTO ART CENTER Artist in Residence.
- 2002 SAN JOSE MUSEUM of ART, San Jose, CA., purchases *Beyond Manzanar* interactive 3D virtual reality installation for its permanent collection.
- 2001 ROCKEFELLER FOUNDATION, New Media Arts Fellowship nominee.
- 1999 IAMAS (INTERNATIONAL ACADEMY of the MEDIA ARTS and SCIENCES) residency, Ogaki City, Japan.
- 1999 ART CENTER COLLEGE of DESIGN residency, Pasadena CA.
- 1998 WIRED MAGAZINE computer art award.
- 1996 GLOBAL INFORMATION INFRASTRUCTURE (GII) AWARDS PROGRAM (formerly NII Awards): Next Generation Award for "extraordinary achievement on the Internet and information highway."
- SMITHSONIAN / COMPUTER WORLD Finalist

- 1992 DEUTSCHE VIDEOKUNSTPREIS Finalist, ZKM, Karlsruhe, Germany.
- 1985 Co-signer of Connection Machine CM-1 supercomputer patent for "Method for Interconnecting Processors in Hyper-Dimensional Array." <http://www.google.com/patents/US4805091> (downloaded Sept. 24, 2015).

#### SELECTED SOLO EXHIBITIONS:

- 2019 DIGITAL ART SPACE MUNICH, Director Karin Wimmer. *Evolution of Fish* VR large projection (with /p)  
CLB BERLIN | AUFBAU HAUS at MORITZPLATZ "Virtuelle Mauer/ReConstructing the Wall" (2008, T+T | Tamiko Thiel + Teresa Reuter) Interactive large projection VR installation.
- 2016 SEATTLE ART MUSEUM, USA. Olympic Sculpture Park AR commission "Gardens of the Anthropocene"
- 2014 UNPAINTED art fair, Munich. pilotraum01 eV (Serafine Lindemann artcircolo, Christian Schön Kunst|Konzepte  
"Fractured Visions," AXNS COLLECTIVE @ KING'S COLLEGE LONDON, for MERGE FESTIVAL, London, UK.  
NORTHEASTERN UNIVERSITY, Boston, USA. *Virtuelle Mauer/ReConstructing the Wall*.  
BENTLEY COLLEGE, Boston, USA. *Virtuelle Mauer/ReConstructing the Wall*.  
*Virtuelle Mauer ZeitLabor*, BEROLINA BERLIN, Germany, 25th anniversary of the Fall of the Berlin Wall.
- 2012 "Transformation," St. LUKASKIRCHE and public artworks in Munich/Lehel, Germany. Curated by pilotraum01 e.V. (Serafine Lindemann / artcircolo and Christian Schön / Kunst | Konzepte).  
TATE MODERN, London "All Hail Damien Hirst!" augmented reality intervention into Damien Hirst retrospective.
- 2011 "Dislocative Sculpture" performative event at the GOETHE-INSTITUT Island in Second Life, in collaboration with the United | Dislokations | Kartell (U|D|K).  
"Carnation Rain (Largo do Carmo)" augmented reality (AR) installation, LISBON, Portugal
- 2010 INDIAN INSTITUTE OF TECHNOLOGY Industrial Design Center, in cooperation with the GOETHE-INSTITUT MUMBAI (BOMBAY), India.  
GOETHE-INSTITUT in Bangalore, India, and in Colombo, Sri Lanka.
- 2009 HARVARD UNIVERSITY John F. Kennedy School of Government, in cooperation with the GOETHE-INSTITUT BOSTON, Cambridge, USA. Speakers: German Consul Friedrich Loehr and Harvard Professor Steven Walt.  
AMERICAN UNIVERSITY MUSEUM in collaboration with the GOETHE-INSTITUT WASHINGTON, Washington, D.C., USA. Special opening talk by GERMAN AMBASSADOR Klaus Scharioth.  
GOETHE-INSTITUT in NEW DELHI, INDIA and LOS ANGELES, USA.  
BOSTON CYBERARTS FESTIVAL / GOETHE-INSTITUT BOSTON, Boston, MA, USA.  
GALLERY [DAM] BERLIN, Germany. "ReVisioning the Virtual Wall," fine art digital print collages based on the 3D installation *Virtuelle Mauer/ReConstructing the Wall*.
- 2008 MUSEUM for COMMUNICATION, Berlin. World premiere of *Virtuelle Mauer / ReConstructing the Wall*.
- 2007 911 MEDIA ARTS CENTER, Exhibition of *The Travels of Mariko Horo* in conjunction with the exhibit "Japan Envisions the West: 16th-19th Century Japanese Art from Kobe City Museum" at Seattle Art Museum.
- 2005 BOSTON CYBERARTS FESTIVAL / GOETHE-INSTITUT, Boston, MA. "Virtual Reality Projects."
- 2004 MASSACHUSETTS INSTITUTE OF TECHNOLOGY, USA. Center for Advanced Visual Studies (CAVS).
- 2002 UNIVERSITY of CALIFORNIA SAN DIEGO, USA. Center for Research on Computers in the Arts (CRCA):

#### SELECTED GROUP EXHIBITIONS:

- 2020 HAUS der KUNST, Munich. "Götzendämmerung: Art and AI as Aesthetic Discourse in the Age of Trans- and Posthumanism," Artists Association in Haus der Kunst.

- NANTESBUCH FOUNDATION, Bad Heilbrunn, Germany. "Arts for Spring."
- CADAF (Contemporary & Digital Art Fair), presented by DANAÉ Digital Art Network, Paris.
- RIXC ART SCIENCE FESTIVAL, "Ecodata," National Library, Riga, Latvia.
- RE-START online exhibit in Mozilla Hubs for Medientage München, curator Julie Walsh.
- BIAF Animation Festival, Bucheon, South Korea.
- TELEMATIC GALLERY, San Francisco. "The Archive to Come"
- LICHTSICHT TRIENNIAL, Bad Rothenfelde, Germany.
- DAM GALERIE, Berlin, Germany." SUMMER SPLASH 6"
- GALLERY PRISKA PASQUER, Cologne, Germany. "Our Duty is to Experiment - 20th anniversary group show."
- REGENSBURG SHORT FILM WEEK, Regensburg, Germany.
- 2019 MUSEUM of MODERN ART, New York. "Energy," curated by Paola Antonelli and Anna Burckhardt.
- PINAKOTHEK der MODERNE MUNICH, preview exhibit, PIN. benefit auction for the Pinakothek der Moderne and Museum Brandhorst. "*Nothing of him that doth fade ...*" 3D printed ceramic sculpture and custom AR app.
- MUSEUM SINCLAIR-HAUS, Bad Homburg, Germany. Group exhibit "Illusionary Nature".
- SAN JOSE MUSEUM of ART, San Jose, CA. "Almost Human: Digital Art from the Permanent Collection"
- EUPHRAT MUSEUM of ART, De Anza College, Cupertino/Silicon Valley. "Space and Place" exhibition.
- KENNIN-JI Zen temple, Kyoto, „Art Innovation“ exhibition, KYOTO U and GOLDSMITHS U of London.
- DIGITAL GRAFFITI FESTIVAL, Alys Beach, Florida. Premiere of *Evolution of Fish* AR projection.
- 2018 WHITNEY MUSEUM of AMERICAN ART, "Programmed: Rules, Codes, and Choreographies in Art, 1965–2018," curator Christiane Paul.
- VRHAM, virtual reality festival, Hamburg. Winner of Audience Appreciation Award.
- WING LUKE MUSEUM of the Asian American Experience / SMITHSONIAN INSTITUTION Affiliate, "Worlds Beyond Here: The Expanding Universe of APA Science Fiction" group exhibit, Seattle
- SOCIETY of ART and TECHNOLOGY (SAT), AR installation for the iX Symposium, Montreal
- "Augmented Reality Public Art," HANG SENG UNIVERSITY (formerly "Management College"), Hong Kong.
- i4c – "The Magic of Virtual Reality," BAVARIAN FILM CENTER, Bavarian Academy of Fine Arts, Munich
- 2017 MUSEUM of MODERN ART, New York. "Thinking Machines: Art and Design in the Computer Age, 1959–1989," curators Sean Anderson and Giampaolo Bianconi.
- "RESET III and Virtual Reality," PRISKA PASQUER GALLERY, Cologne, Germany. Curated by Tina Sauerländer (peer to space).
- MOVING IMAGE NEW YORK Art Fair, New York. *Beyond Manzanar* VR large projection installation.
- PIONEER WORKS, Brooklyn, NY. *Gardens of the Anthropocene* AR installation.
- BOSTON CYBERARTS / NATIONAL ENDOWMENT for the ARTS, "The Augmented Landscape," Salem Maritime National Historic Site, Salem, MA, USA.
- „stand by me,“ curator Katia Rid. GALERIE DER KÜNSTLER, Munich, Germany
- 3rd Artists' Biennale, HAUS der KUNST, Munich, Germany
- 2016 DIGITAL SYNESTHESIA exhibition, University of Applied Arts, Vienna. Premiere of "I am Sound."

- 9e2 Seattle, media art festival commemorating the 50<sup>th</sup> anniversary of 9 Evenings in the Armory, New York.
- "Mi Querido Barrio" CCCADI (Caribbean Cultural Center and African Diaspora Institute) East Harlem, NYC
- VIRTUALE SWITZERLAND, Lugano. Curated by Digital Art Weeks International.
- 2015 WING LUKE MUSEUM / SMITHSONIAN INSTITUTION AFFILIATE, Seattle, USA. "Construct/S," curated by Stacey Uradomo. Premiere of "Brush the Sky."
- ADM GALLERY, "ADM Faculty Show 2015: Beyond the Horizon," Nanyang Technological University, Singapore. Curated by T.K. Sabapathy and Michelle Lim. "Golden Blessings SG50."
- VIRTUALE SWITZERLAND, Lausanne. Curated by Digital Art Weeks International.
- 2014 VIRTUALE SWITZERLAND, opening in parallel with ART BASEL. Curated by Digital Art Weeks International with the support of Prohelvetia Swiss Art Council, City & Canton of Basel, House for Electronic Arts, Basel.
- ISEA DUBAI Media Art Festival, Dubai, United Arab Emirates.
- 2013 CORCORAN GALLERY of ART / Corcoran College of Art and Design Gallery 31, "Manifest:AR" invitational show. Washington D.C., USA.
- FACT, (Foundation for Art and Creative Technology), Liverpool, UK. "Turning FACT Inside Out" 10<sup>th</sup> anniversary exhibition, Manifest.AR commission.
- CONTEMPORARY ISTANBUL art fair, in the KASA GALLERY's exhibit "YOU CANNOT AFFORD THIS!"
- SIGGRAPH ASIA, Hong Kong. "The Virtuale Exhibition."
- MUSEUM of CONTEMPORARY CUTS (MoCC), in the exhibition "Jackpot!"
- KASA GALLERY, Sabanci University, Istanbul, in the exhibit "I Occupy."
- DIGITAL ART WEEKS INTERNATIONAL, Singapore.
- 2012 ART GWANGJU art fair, Korea. Presented by THE ART SYN PROJECTS (London).
- NIKOLAJ KUNSTHAL / COPENHAGEN ART FESTIVAL, "Conversations," Manifest.AR invitational show.
- HAYWARD GALLERY exhibit "Invisible", London, U.K. Uninvited augmented reality intervention.
- ZERO1 BIENNIAL, San Jose, CA. / SAMEK ART GALLERY, Bucknell University, Lewisburg, PA., USA.
- TRIENNALE DI MILANO, Italy. "No.Need.For.Real?" AR group show (curator: Art Clay) for the VSMM2012
- BROAD ART CENTER, UCLA, Los Angeles, USA. "LA Re.Play" public art exhibit for the CAA.
- arOCCUPY May Day – global augmented reality event.
- 2011 VENICE BIENNALE and the GERMAN NATIONAL PAVILION, Venice, Italy. "Manifest.AR Venice Biennale 2011 AR Intervention," leader of uninvited guerilla augmented reality intervention.
- ISTANBUL BIENNIAL, in the official parallel program ISEA2011 / UNCONTAINABLE. Exhibitions:
- "Not There," KASA GALLERY of the Sabanci University
  - "Invisible Istanbul: Captured Images" augmented reality intervention in main exhibit of Istanbul Biennial.
- ICA BOSTON (Institute of Contemporary Art), Boston, USA. "Manifest.AR@ICA" invitational show.
- AR OCCUPY WALL STREET, New York, NY.
- DUMBO Arts Festival, Brooklyn, New York, USA.
- SAMEK ART GALLERY, Bucknell University, Lewisburg, PA., USA. "Not Here" Manifest.AR group show.
- 2010 MUSEUM of MODERN ART NEW YORK (MoMA), New York City, USA. "We AR in MoMA," uninvited guerilla augmented reality intervention.
- PALAZZO MEDICI-RICCARDI, Florence, Italy. "Colorito," ACM Multimedia Interactive Art Exhibit.

- 2009 FONDAZIONE QUERINI STAMPALIA, Venice, Italy. "Altre Lingue Altre Poetiche Nel Contemporaneo," as part of the transnational literary festival "Incroci di Civilta'," in the *Concordanze* contemporary art series.
- LABORAL CENTRO de ARTE, Gijon, Spain. "FEEDFORWARD: Angel of History" group show, curated by Steve Dietz and Christiane Paul.
- CITY MUSEUM of BERLIN / Ephraim-Palais, Berlin, Germany. "FALLMAUERFALL | 61-89-09" group show.
- 2007 SIGGRAPH 2007 ART GALLERY, San Diego, CA. USA. "Global Eyes" group show.
- ARTS CENTRE VOORUIT, Ghent, Belgium. "The game is up!" group show.
- 2006 ZERO1 BIENNIAL/ISEA2006, SAN JOSE MUSEUM of ART, San Jose, CA. "Edge Conditions" by Steve Dietz
- "Image War: Contesting Images of Political Conflict," Art Gallery Of The Graduate Center at CITY UNIVERSITY OF NEW YORK (CUNY), curated by curatorial students at the WHITNEY MUSEUM OF ART'S INDEPENDENT STUDY PROGRAM, New York, NY, USA
- AMERICAN UNIVERSITY MUSEUM, Washington D.C. "Visual Politics: The Art of Engagement."
- 2005 SAN JOSE MUSEUM OF ART, San Jose, CA, USA. "Visual Politics: The Art of Engagement,"
- KUNSTVEREIN WOLFSBURG, Germany. "Non-Stop: A Project on the Ambivalence of War and Peace."
- 2004 "Only Skin Deep," traveling exhibit, SEATTLE ART MUSEUM, Seattle, WA, USA.
- 2003 INTERNATIONAL CENTER OF PHOTOGRAPHY (ICP), New York, NY, USA. "Only Skin Deep" group show.
- Kyoto Biennale, KYOTO ART CENTER, Kyoto, Japan.
- FILE-2003, Electronic Language International Festival, PAÇO DAS ARTES, São Paulo, Brazil.
- ICA MEDIA CENTRE, London, UK. "Web3D Art 2003," group show.
- 2002 "Highlights of the Permanent Collection," SAN JOSE MUSEUM OF ART, San Jose, CA, USA.
- ZKM (Zentrum für Kunst und Medientechnologie), Karlsruhe. „BILDER\*CODES# 1992-2002: 10 JAHRE MEDIENKUNST im DIALOG, 10th anniversary of the \ \ INTERNATIONALEN \ MEDIEN \ KUNST \ PREIS.
- 5<sup>th</sup> Media Arts Festival, TOKYO METROPOLITAN MUSEUM OF PHOTOGRAPHY, Tokyo, Japan
- 2001 SIGGRAPH, Los Angeles, CA, USA. "N-Space Gallery,"
- INTERACTION '01, 4th Biennale: World Forum for Media and Culture, Ogaki, Japan.
- CYNETart 2001, Dresden, Germany.
- 2000 TOKYO METROPOLITAN MUSEUM of PHOTOGRAPHY, Tokyo, Japan. "IAMAS Artists in Residence,"
- 1999 EUROPEAN MEDIA ARTS FESTIVAL (EMAF), Osnabrück, Germany. "VRML-ART" group show.
- 1998 HAINES GALLERY, San Francisco, CA, USA. "Plugged In," group show.
- 1997 RAUMA MUSEUM of ART, Rauma, Finland. "Aurinko - Solar Energy," group show.
- NATIONAL MUSEUM of WOMEN in the ARTS, Wa.DC, USA. "Women and the Art of Multimedia."
- 1993 The Connection Machine CM-2 was exhibited as part of Karl Sims' "Genetic Images" at:
- ARS ELECTRONICA, Linz, Austria.
  - CENTRE GEORGES POMPIDOU, Paris, France.
- "4th International Sound Basis Visual Arts Festival," WRO 93, Wroclaw, Poland.
- "VideoForum: Best of Recent Video," ELDORADO CENTRUM VOOR BEELDCULTUR, Antwerp, Belgium.
- 1992 DEUTSCHE VIDEOKUNSTPREIS, ZKM Karlsruhe (Zentrum Für Kunst und Medientechnologie), Germany. "Das Goldene Ei" premiered on German TV station SW3.
- "Experimental Film and Video Festival," IMAGE FORUM, Tokyo and Osaka, Japan.

"VIDEONALE 5," Bonner Kunstverein, Bonn, Germany.

#### FEATURED WORKS IN BOOKS & CATALOGS:

- 2020 Sauerländer, Tina. "Über Tamiko Thiel," essay (in German). I Love Women Artists: Eine publikation zum 100-jährigen jubiläum der Erstzulassung von Frauen an deutschen kunstakademien, Bianca Kennedy and Janine Machkenroth, editors. One hundred women curators, gallerists and collectors write about 100 women artists in Germany.
- 2019 "Strange Growth" augmented reality artwork (with /p) published in VECTOR artist book, Guest Editor Birthe Blauth, Managing Editors, Peter Gregorio and Javier Barrios. Book launch at Kunstverein Munich.
- "Water Lily Invasion" (p.11) and "Unexpected Growth" (with /p, p.18), Convergence: How The World Will Be Painted With Data, Editor Charlie Fink, Convergence Press.
- 2017 "Artwork: Tamiko Thiel," Augmented Reality: Innovative Perspectives across Art, Industry, and Academia, Morey, Sean and Tinnell, John, Ed. Parlor Press, Anderson, SC, USA, pp. 271-275.
- 2016 Paul, Christiane. "Augmented Realities: Digital Art in the Public Sphere," in A Companion to Public Art (Blackwell Companions to Art History), Knight, Cher Krause, and Senie, Harriet F., ed., pp. 218-219.
- Gsöllpointner K. et al. Digital Synesthesia. A Model for the Aesthetics of Digital Art. Berlin/Bosten: De Gruyter.
- Achtelik, Anna. "Interrogating the Sublime: Reconstructions," Transdiscourse 2: Turbulence and Reconstruction, Editor Jill Scott, De Gruyter, Berlin, pp. 158-161.
- 2015 Paul, Christiane. Digital Art, 3<sup>rd</sup> edition, Thames & Hudson World of Art series, London, pp. 130-131, 238-240.
- Uradomo-Barre, Stacey. CONSTRUCTIS exhibition catalog, WING LUKE MUSEUM / SMITHSONIAN INSTITUTION AFFILIATE, Seattle, USA, pp. 26 – 33.
- Sabapathy, T.K. and Lim, Michelle. ADM 10th Anniversary Faculty Show "Beyond the Horizon" Catalog, Nanyang Technological University Dept. of Arts, Design and Media (NTU ADM), Singapore.
- 2013 Aceti, Lanfranco, Rinehart, Richard, and Sahin, Ozden, ed. "Not Here Not There" Part 2. Leonardo Electronic Almanac, Volume 19 Issue 2. Pages 5, 17-18, 24-25, 118-119, 210-219.
- Lodi, Simona. "Illegal Art and Other Stories," Unlike Us Reader. Social Media Monopolies and Their Alternatives, Ed. Geert Lovink, Miriam Rash, Amsterdam: Institute of Network Cultures, 2013, pp 250-251.
- 2010 Lieser, Wolf. The World of Digital Art (large format hardcover), Ullman/Tandem Verlag, Königswinter, Germany.
- 2009 Gessner, Ingrid. "Moving Beyond Manzanar: Transnationalizing Japanese American Internment Experiences." Virtually American? Denationalizing North American Studies. Ed. Mita Banerjee. Heidelberg, 2009. pp77-96.
- Lieser, Wolf. Digital Art (Art Pocket Series), Ullman/Tandem Verlag, Königswinter, Germany, pp 104-105.
- 2007 Smith, Matthew. The Total Work of Art: From Bayreuth to Cyberspace. Routledge, NY, 2007, pp 180-186.
- Gessner, Ingrid. From Sites of Memory to Cybersights: (Re)Framing Japanese American Experiences, Universitätsverlag Winter, pp. 90-106.
- 2003 Paul, Christiane. Digital Art, 1<sup>st</sup> edition, Thames & Hudson World of Art series, London, pp. 130-132.

#### SELECTED REVIEWS and INTERVIEWS:

- 2021 Cook, Sarah. "Maintaining Composure: An Interview with Tamiko Thiel," on unthinking photography, The Photographers' Gallery.
- 2020 Vintage Computer Festival Midwest. "An interview with TAMIKO THIEL, lead product designer at Thinking Machines Corp.," Sept. 12.
- Allroggen, Antje. "Digitalisierung der Museen – Modernisierungsschub durch die Krise", Deutschlandfunk, 04. Juni. Podcast Interview von 10:15 - 13:05 über meine *Connection Machine* und *Unexpected Growth*.
- Filkorn, Fred. "Projektion zeigt Verschmutzung der Meere," Mittelbayerische Zeitung, Regensburg, 09 März.

- 2019 Grau, Oliver, Hoth, Janina and Wandl-Vogt, Eveline, eds. "Digital Art through the Looking Glass," tredition press, Edition Donau-Universität, Krems, Austria, pp. 10,11.
- Bickmann, Isa. "Illusion Natur," Kunstforum International, Cologne, Germany, Vol. 265.
- Asvestopoulos, Sofia. "Illusion Natur im Museum Sinclair-Haus: Natur im digitalen Zeitalter - Symbiose oder Spaltung?," in the ARTicle - Blog für Kunstwissenschaft, Goethe-Universität Frankfurt, 12 December.
- Berndt, Björn. "Natur als Illusion," männer\*, 5 November.
- Vogel, Evelyn. "Ein Riff voll Müll," Süddeutsche Zeitung, Munich, Germany, 9 July.
- Roque Rodríguez, Anabel. "What Does Success in the Arts Look Like? - Interview XVII with Tamiko Thiel," www.anabelroro.com, March 5.
- Blakemore, Erin. "An AR Installation Submerges the Whitney Museum in a Coral Reef of Plastic Debris," Washington Post, March 2.
- Danae HI "18 Museums Boosting the Scene of Digital Art," medium.com, March 1.
- Meier, Allison C. "An AR Installation Submerges the Whitney Museum in a Coral Reef of Plastic Debris," hyperallergic.com, Feb. 21.
- Sayej, Nadja. "Memes, technology and sci-fi: what to expect from art in the US in 2019" The Guardian, Jan. 3.
- Hodara, Susan. "A 3-D Incunabula of Type," Communication Arts, Jan. 2.
- 2018 Greenberger, Alex. "At the Whitney, 'Programmed' Piquantly Draws Out Connections," Art News, Nov. 8.
- Funes, Yessenia. "Ominous New Art Exhibit Shows Coral Reefs Transformed by Trash," Gizmodo, Sept. 28.
- Madson, Diana. "AR art exhibit shows how people are harming corals," yaleclimateconnections.org, Dec. 28.
- Huffman, Kathy Rae. "Unexpected Growth by Tamiko Thiel at the Whitney" digicult.it November.
- Blouin Artinfo, "Programmed: Rules, Codes, and Choreographies in Art at the Whitney," Blouin Art Info, Sept. 1.
- Herwig, Oliver. "Die Kunst des Bewahrens" in @Privatbank 1796, Hauck und Aufhaeuser Privatbank, Oktober.
- "Can You Make Art By Algorithm?" Hungar, Sept. 7.
- goop. "The Best Art Shows to See Right Now," goop.com, Sept. 27.
- Nielsen, Erik. "Programmed: Rules, Codes, and Choreographies," Vanguard of Photography Culture, Oct. 17.
- "'Programmed: Rules, Codes, and Choreographies in Art, 1965-2018': do video à arte computacional," Maputo Fast Forward, Sept. 9.
- Stigler, Britt. "The Whitney Looks At Intersection of Technology and Art," All Arts, Sept. 28.
- Herwig, Oliver. "The Self, the World, and Dissolving Distinctions," Goethe-Institut New York blog, September.
- Noyes, Chandra. "The Artist as Coder: the Whitney Looks at Programming in Art," Art & Object, Sept. 28.
- Tanni, Valentina. "Programmed. Una mostra del Whitney Museum di New York racconta le istruzioni nell'arte," Artribune, Sept. 30.
- Wang, Rena. "'Programmed: Rules, Codes, And Choreographies In Art, 1965-2018' Opens At The Whitney," The Knockturnal, Oct.2.
- Barratt, Bianca. "This is some serious trash art," Living it, Oct. 29.
- Blouin Artinfo, "At the Whitney, Taking Aim at the Digital Age," Blouin Art Info, Oct. 10.
- 2017 Schwab, Katherian. "The Female Supercomputer Designer Who Inspired Steve Jobs," Fast Company design blog, www.fastcompany.com, Nov. 16.
- Farago, Jason. "Virtual Reality Has Arrived in the Art World. Now What?" New York Times, Feb. 3 (Feb. 5 in the print edition under the title, "Plunging Into Artists' Twilight Zones.")



- McClenaghan, Alyssa. "Days later, I reflect: NYC Armory Week," [openhouseblog.nyc](http://openhouseblog.nyc), March.
- Madson, Diane. "Artist Exhibits Dystopian Vision in Seattle Park," podcast [yaleclimateconnections.org](http://yaleclimateconnections.org), Jan 16.
- Granada, Stephanie. "10 Artists on What Climate Change Actually Looks Like," [outsideonline.com](http://outsideonline.com), August 3.
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#### SELECTED WRITINGS:

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- 2014 "Site Venice Site Biennale," AR(t) Magazine, AR Lab (joint project: Royal Academy of Art/The Hague (KABK), Delft University of Technology, Leiden University). Issue 5, May 2014, pp. 29-33.
- "Critical Interventions into Canonical Spaces," Chapter 2 of the book Augmented Reality Art, ed. Vladimir Geroimenko. Springer Verlag, Heidelberg, Germany.
- 2012 "Embracing the Invisible: Manifest.AR Augmented Reality Intervention at the Hayward Gallery," [practicebased.re](http://practicebased.re)
- 2011 "Cyber-Animism and Augmented Dreams," Leonardo Electronic Almanac (LEA), [www.leoalmanac.org](http://www.leoalmanac.org)

- 2010 "Rhetorics of the Interactive 3D Installation 'Virtuelle Mauer/ReConstructing the Wall'" (with Teresa Reuter), ICIDS (International Conference on Interactive Digital Storytelling), Edinburgh, UK. Ruth Aylett et al., eds.: ICIDS LNCS 6432, pp. 129-140, Springer-Verlag, Berlin / Heidelberg.
- 2009 "Where Stones Can Speak: Dramatic Encounters in Interactive 3D Virtual Reality," chapter in the book Third Person: Authoring and Exploring Vast Narratives, ed. Pat Harrigan & Noah Wadrup-Fruin, MIT Press,
- 2007 "Life at the Interface of Art and Technology," ON SCREEN, 911 Media Arts Center, Seattle, WA, USA. Winter, 2007, Vol. 18 No.1, pp. 32-34.
- 2004 "Beyond Manzanar: Creating Dramatic Structure in Ergodic Narratives," TIDSE (Technologies for Interactive Digital Storytelling and Entertainment), Darmstadt, Germany, June 24-26, 2004, Springer Verlag, Berlin.
- 2003 Reader: Lab3D and Web3D Art, Kathy Rae Huffman and Melinda Rackham, editors. CORNERHOUSE, Manchester, England, June 2003.
- 2002 Panelist in The (Re)Structured Screen, online critical forum presented by EYEBEAM/New York and The Integrated Media Program at CalArts, California, Nov. 11 - Dec. 13.
- 2001 "Dramatic structure in interactive virtual reality," AEDO-BA, Villa Tosca Design Management Center, Milan, Nr. 03/04, Fall 2001 pp. 40-45.
- "Beyond Manzanar," (with Zara Houshmand,) SIGGRAPH 2001 Electronic Art and Animation Catalog and CD-ROM, ACM SIGGRAPH, New York, page 125.
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- 2000 LEONARDO JOURNAL, MIT Press, Volume 33 #2, 2000. Images from the series *Metamorphoses* featured on front and back covers, and on Leonardo's website.
- 1994 "The Design of the Connection Machine," INTERCOMMUNICATION MAGAZINE, InterCommunication Center of the NTT (ICC), Tokyo, Japan, No. 8, Spring.
- "The Design of the Connection Machine," DESIGN ISSUES, MIT Press, Cambridge, MA, Vol.10 No.1 Spring.
- "Machina Cogitans," Genetic Art - Artificial Life, ARS ELECTRONICA, Linz, Austria.
- 1992 "The Connection Machine," AXIS Magazine, Number 45, Tokyo, Japan, 1992

#### SELECTED LECTURES

- 2019 "Taste of History," keynote by Tamiko Thiel and Japanese calligraphy demonstration by Midori Kono Thiel. Fundraising event for the Euphrat Museum and the California History Center, October 26
- "Creative Minds: Tamiko Thiel and Zara Houshmand with Susan Hayase", Artist talk, San Jose Museum of Art, San Jose, CA., October 19.
- "Beyond Realities," lecture as part of the event "50 years of Art and Technology Studies at the School of the Art Institute" (SAIC), Chicago, April 30.
- Art Innovation Symposium, Kyoto University, Kyoto, Japan. Held jointly with Goldsmiths University of London art college, March 16.
- "Histories of the Digital Now" panel discussion, New School, New York. Moderated by Christiane Paul in conjunction with the Whitney Museum exhibit "Programmed: Rules, Codes, and Choreographies in Art, 1965–2018," February 13.
- Public lecture and demo, Stamps School of Art and Design, University of Michigan, Ann Arbor MI, February 7.
- 2018 Keynote, iX Sympoium, SOCIETY of ART and TECHNOLOGY (SAT), Montreal
- Keynote, Augmented Reality Public Art Symposium, HANG SENG Management College, Hong Kong.
- Keynote, i4c event "Magic of Virtual Reality," BAVARIAN FILM CENTER, Munich
- xR Creators' Lab, "AR as Public Art," BAVARIAN FILM CENTER, Bavarian Academy of Fine Arts, Munich
- 2017 Creative Tech Week Leaders in Software and Art conference. "Dramatic structure for interactive Virtual Reality"

- AR in Action Leadership Summit, NYU, New York.
- 2014 "Portable Reality" Symposium HOUSE for ELECTRONIC ARTS at MUSEUM TINGUELY, Basel, Switzerland.  
"Experiencing the Invisible - Augmented Reality Art," Environmental Visions Symposium, NANYANG TECHNOLOGICAL UNIVERSITY School of Art, Design and Media (NTU ADM), Singapore.
- 2013 CORCORAN Gallery of Art/College of Art and Design. Manifest:AR symposium, Washington DC, USA.  
PARSONS / NEW SCHOOL, "Something in the Air: Artists talk about interventionist strategies in Augmented Reality Art" panel discussion, New York, USA.
- 2011 "Virtual and Augmented Reality Artworks," EYEBEAM ART + TECHNOLOGY CENTER, New York, USA:
- 2010 "Rhetorics of the Interactive 3D Installation 'Virtuelle Mauer/ReConstructing the Wall,'" ICIDS 2010 CONFERENCE ON INTERACTIVE DIGITAL STORYTELLING, Edinburgh, Scotland, UK.  
Artist's talk at the SRISHTI SCHOOL OF ART, DESIGN AND TECHNOLOGY, Bangalore, India and RABINDRA BHARATI SCHOOL OF ART, Kolkata (Calcutta), India.
- 2009 "I viaggi di Mariko Horo," artist's talk at the FONDAZIONE QUERINI STAMPALIA, as part of the transnational literary festival Incroci di Civilta', Venice, Italy, May 20.
- 2007 "Mariko Horo: The Art of Tamiko Thiel," artist's talk, SEATTLE ART MUSEUM. Seattle, USA. In conjunction with "Japan Envisions the West: 16th-19th Century Japanese Art from Kobe City Museum" at the Seattle Art Museum and the solo show of *The Travels of Mariko Horo* at 911 Media Arts Center, Seattle, USA.
- 2006 "Creating the Unknown World," ISEA2006/01SJ BIENNIAL, San Jose, CA, USA.
- 2005 Center for Advanced Visual Studies (CAVS), MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT).  
"Virtual Memorials" Roundtable, GOETHE-INSTITUT for the BOSTON CYBERARTS FESTIVAL, Boston, USA.
- 2004 "Re-Constructing the Berlin Wall: The virtual experience of an urban fact and symbol," Center for European Studies (CES), HARVARD UNIVERSITY, Cambridge, MA, USA.
- 2003 "A General Theory of Dramatic Structure for Interactive 3D Environments," Center for Advanced Visual Studies (CAVS), MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, MA, USA.  
"Slowness in Cultural Pluralism," panel discussion, Kyoto Biennale, KYOTO ART CENTER, Kyoto, Japan.
- 2002 "Creating *Beyond Manzanar*," (with Zara Houshmand.) Event to celebrate the acquisition of *Beyond Manzanar* at the SAN JOSE MUSEUM OF ART, San Jose, CA. Co-hosted by ZeroOne: The Art and Technology Network.  
"Creating Dramatic Structure in Interactive 3D Virtual Reality," INTERACTIVE MEDIA DIVISION, SCHOOL OF CINEMA-TELEVISION, University of Southern California (USC) Los Angeles, CA, USA.  
"Arbeiten mit Kunst und Technologie," BAUHAUS-UNIVERSITY, Weimar, Germany  
"Creating Dramatic Structure in Virtual Reality," NEW YORK UNIVERSITY (NYU), New York, NY, USA.  
Curators talk on VR, JAPANESE AMERICAN NATIONAL MUSEUM (JANM), Los Angeles, CA, USA.
- 1999 "Fantasies and Other Realities," VIPER MEDIA ART FESTIVAL, Lucerne, Switzerland.  
"Virtual Worlds", ART CENTER COLLEGE OF DESIGN, Pasadena CA.
- 1998 "Virtually Paradise," Out of the Box Summit on Interactivity, BANFF CENTRE for the ARTS, Banff, Canada.
- 1994 "Calculating Clock to Connection Machine: The Changing Image of Computers," On the acquisition of a CM-2 at the Museum of American History, SMITHSONIAN INSTITUTION, Washington DC, USA.
- 1993 "Roboter, Animaten & künstliche Lebewesen," Genetic Art-Artificial Life, ARS ELECTRONICA 93, Linz, Austria.

#### **ART & TECHNOLOGY: Selected commercial and academic positions**

- 2019 - 2021 AR artistic and technical advisor to the HIDDEN HISTORIES San Jose Japantown project, in collaboration with the JAPANESE AMERICAN MUSEUM of SAN JOSE (JAMsj).

- 2019 DANUBE UNIVERSITY Krems, Austria. Seminar on History, Theory and Practice of Virtual Reality and Augmented Reality, Department of Image Science.
- 2018 UNIVERSITY of ART and DESIGN, Visiting Professor of Augmented Reality. Linz, Austria  
Co-Founder and artistic advisor, ARpoise open source augmented reality platform.
- 2017 GOETHE-INSTITUT NEW YORK. Co-organizer (with Caroline Sindere) of FACETS Un-Conference on Art and Artificial Intelligence.
- 2015 "The OPEN," SINGAPORE INTERNATIONAL FESTIVAL OF ARTS, Singapore. Class project "Augmenting Singapore," Nanyang Technological University School of Art, Design and Media.
- 2014 & 2015 NANYANG TECHNOLOGICAL UNIVERSITY. Visiting Associate Professor in the School of Art, Design and Media, Singapore (one semester each year).
- 2012 - 2015 CARIBBEAN CULTURAL CENTER / AFRICAN DIASPORA, Augmented Reality Artistic Advisor for the AR project "Mi Querido Barrio," winner of a ROCKEFELLER FOUNDATION Cultural Innovation Award.
- 2011 - 2014 DUKE UNIVERSITY, Visiting artist, Experimental Documentary Studies MFA program, Durham NC, USA.
- 2011 - 2012 BERLIN UNIVERSITY OF THE ARTS (UdK Berlin), Visiting Professor for Technologies of Non-Linear Dramaturgies in the Institute for Time-Based Media (IZM).
- 2011 Main curator and organizer for Manifest.AR VENICE BIENNIAL 2011 augmented reality intervention.
- 2010 Co-founded Manifest.AR, augmented reality artists group.
- 2009 Co-curated the Munich Video Art Compilation for the Upgrade! Munich.
- 2007 Workshop at the ECOLE SUPERIEURE d'ART, Aix en Provence, France
- 2003 KYOTO ART CENTER, Kyoto, Japan. Workshop "Constructing the Unknown World."
- 2002 Visiting Lecturer (Gastdozent) in Media Design. BAUHAUS-UNIVERSITÄT, Weimar, Germany.  
Visiting Lecturer in Visual Arts. UNIVERSITY of CALIFORNIA, San Diego (UCSD), CA. USA.
- 1994 - 1996 WORLDS, INC., San Francisco, CA, USA. Creative director/producer, Starbright World virtual reality playspace for seriously ill children, with Starbright Foundation chairman Steven Spielberg.
- Spring 1994 Visiting Associate Professor of Design, CARNEGIE MELLON UNIVERSITY, Pittsburgh, PA.
- 1991 Design consultant. THINKING MACHINES CORPORATION, Cambridge, MA, USA.  
Consulted on the design of Danny Hillis' Connection Machine CM-5, successor to the CM-2.
- 1983 - 1985 Design Engineer. THINKING MACHINES CORPORATION, Cambridge, MA, USA.  
Head of Packaging and Industrial Design for Danny Hillis' Connection Machines CM-1 and CM-2, parallel supercomputers for artificial intelligence research. Co-signer of CM-1 patent for "Method for Interconnecting Processors in Hyper-Dimensional Array."