

This is a chapter in piero scaruffi's "A Visual History of the Visual Arts": <http://www.scaruffi.com/art/history>

The Age of Globalization

- New Media Art
 - 1991: Wolfgang Staehle founds the bulletin board The Thing
 - 1991: Brenda Laurel's book "Computers as Theatre"
 - 1992: The Electronic Visualization Lab in Chicago creates a "CAVE" ("Cave Automatic Virtual Environment")
 - 1992: The Banff Centre starts the Art and Virtual Environment Project
 - 1992: The School of Visual Arts in New York launches the "New York Digital Salon"
 - 1994: Benjamin Weil starts Ada Web, a curated website for online art
 - 1994: Eastern European artists including Vuk Cosic found the "net.art" movement of artists active on the World Wide Web
 - 1994: Susan Conde and Henri-Francois Debailleux organize the fractalist exhibition in France
 - 1994: Critical Art Ensemble's essay "The Technology of Uselessness"

The Age of Globalization

- New Media Art
 - 1995: The Ljudmila (Ljubljana Digital Media Lab) in Slovenia
 - 1995: Pit Schultz and Geert Lovink establish the Netttime e-mailing list for new media art
 - 1996: Nicolas Bourriaud coins "relational aesthetics"
 - 1996: Itsuo Sakane founds the International Academy of Media Arts and Sciences in Japan
 - 1996: "Manifesta 1", the first European biennale of contemporary art, in the Netherlands
 - 1996: Mark Tribe founds "Rhizome"
 - 1996: Arthur Kroker and Marilouise Kroker found the e-magazine Ctheory
 - 1996: The first DVD player is introduced by Toshiba
 - 1997: NTT's InterCommunication Center in Tokyo
 - 1997: Frank Popper publishes "Art of the Electronic Age"
 - 1998: Anton Vidokle founds the curatorial platform e-flux

The Age of Globalization

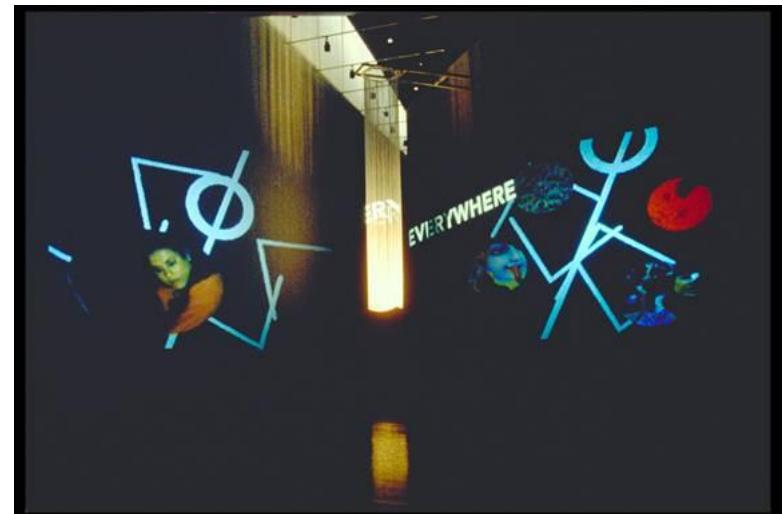
- New Media Art
 - 2001: Pierre Levy publishes "Cyberculture"
 - 2001: Lev Manovich's book "The Language of New Media"
 - 2003: Oliver Grau's book "Virtual Art"
 - 2003: Linden Lab launches "Second Life", a virtual world accessible via the Internet
 - 2004: Margot Lovejoy publishes "Digital Currents - Art in the Electronic Age"
 - 2005: YouTube debuts on the World-wide Web
 - 2005: The Letterman Digital Arts Center opens in San Francisco
 - 2008: Piero Scaruffi organizes the first Leonardo Art Science Evening Rendezvous (LASER)
 - 2008: Marisa Olson coins the expression "Post-Internet Art"
 - 2009: Rick DeVos establishes the ArtPrize, an art competition that takes place in multiple cities
 - 2010: Edinburgh's Fringe Festival
 - 2010: Rafael Rozendaal founds the open source exhibition Bring Your Own Beamer

The Age of Globalization

- Multimedia Installation/interactive
 - Margot Lovejoy (1930, Canada)



"Turns" (2001)



"Parthenia" (1995), website

The Computer Age

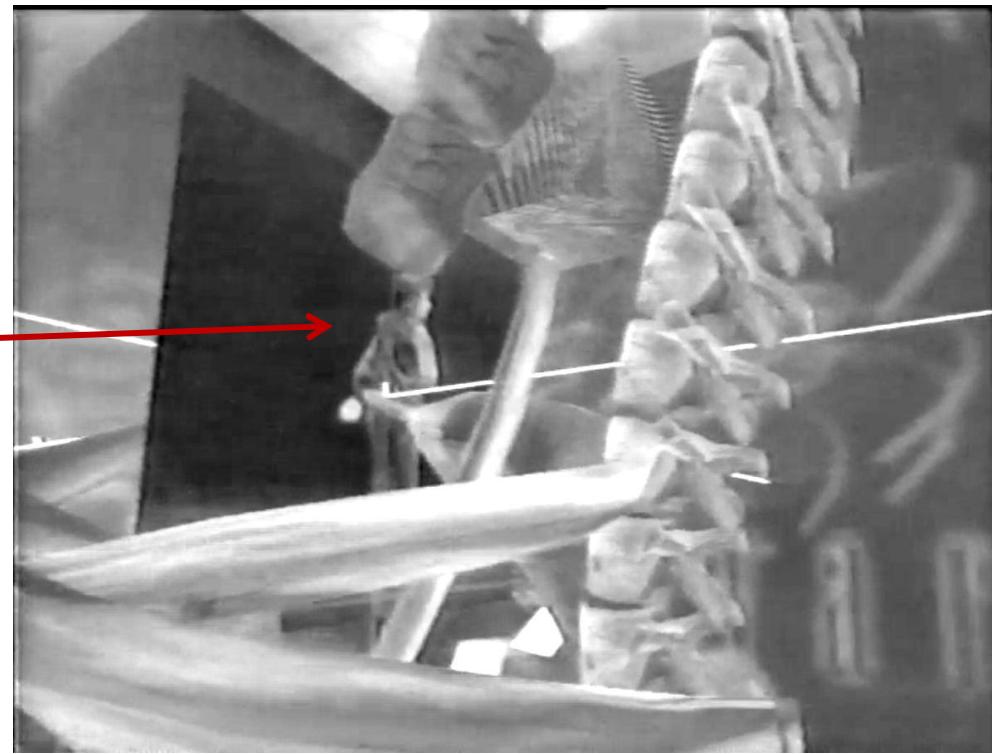
- Kinetic Sculpture
 - Juergen Claus (1935, Germany)



“Carousel of Suns” (1991)

The Age of Globalization

- Immersive/interactive
 - Diane Gromala (1960, Canada) & Yacov Sharir (1940, Israel)



"Dancing with the Virtual Dervish:
Virtual Bodies" (1994), dancing in VR

The Age of Globalization

- Immersive/interactive
 - Michel Bret (1941, France) & Marie-Helene Tramus



"The Virtual Acrobat" (2000)

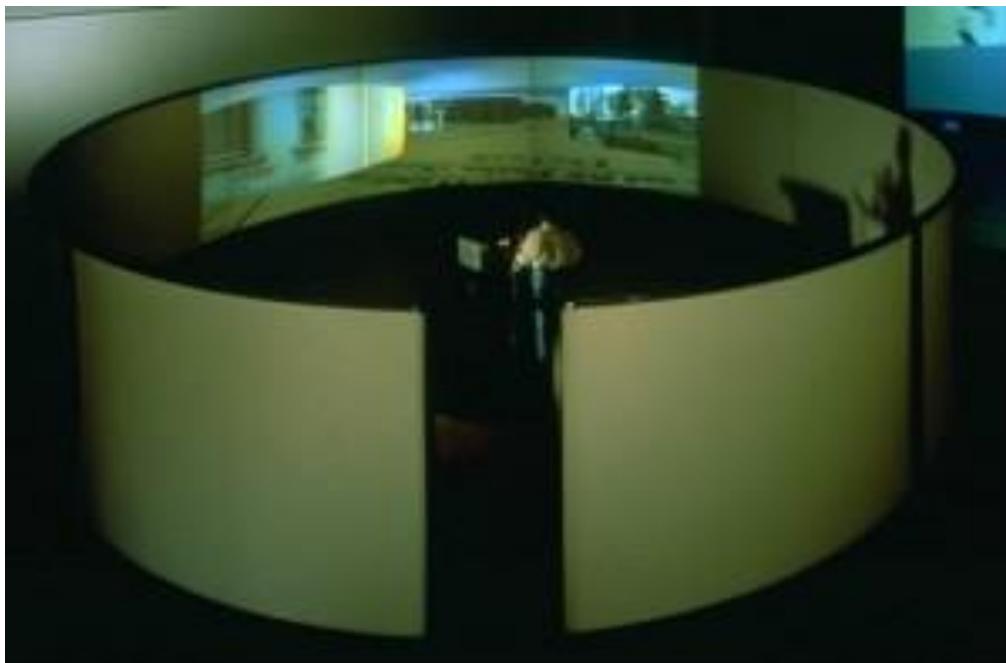


"Dance with Me" (2001)

The Age of Globalization

- Immersive/interactive Video Installation
 - Jeffrey Shaw (1944, Australia)

“Virtual Museum” (1991)



"Place, a user manual" (1995)

The Age of Globalization

- Immersive/interactive Video Installation
 - Toni Dove (1946, USA)

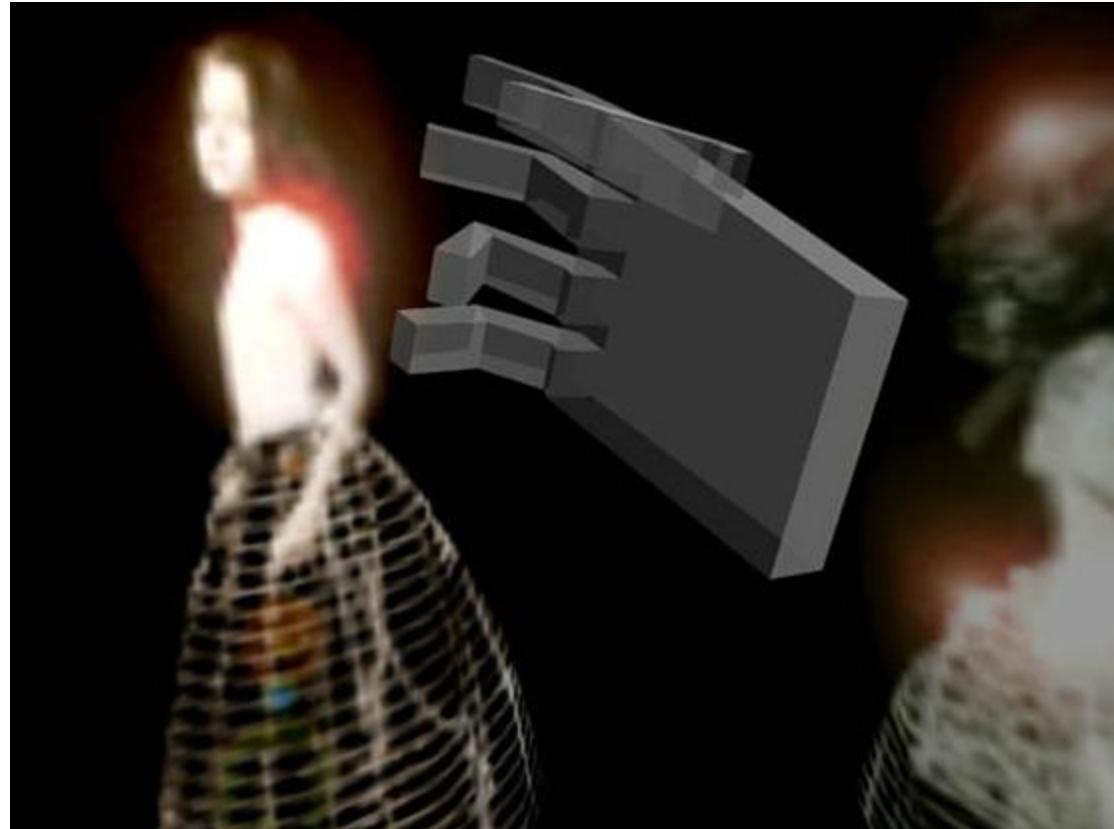


"Artificial Changelings" (1998)



The Age of Globalization

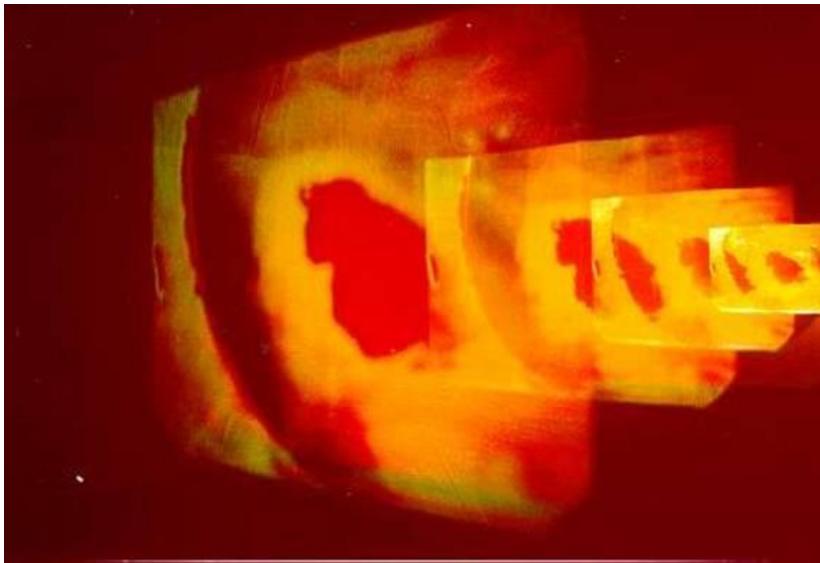
- Immersive/interactive
 - Toni Dove (1946, USA) & Michael Mackenzie



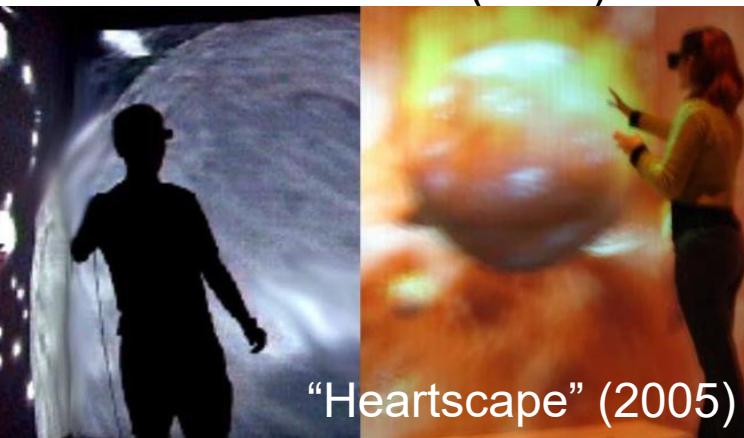
“Archaeology of a Mother Tongue”, VR (1993)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Diana Domingues (1947, Brazil) “Trans-E” (1997)



“In Viscera” (1995)



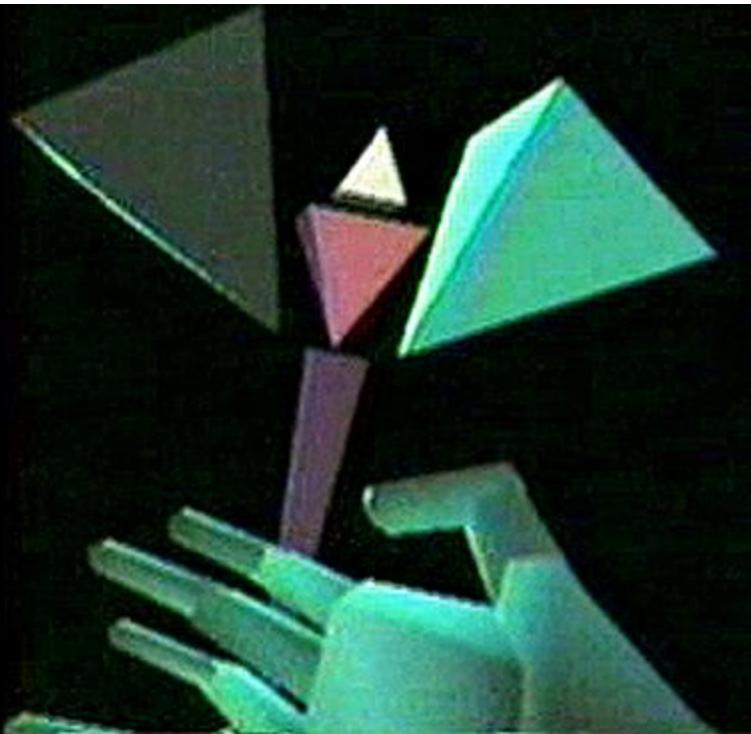
“Heartscape” (2005)



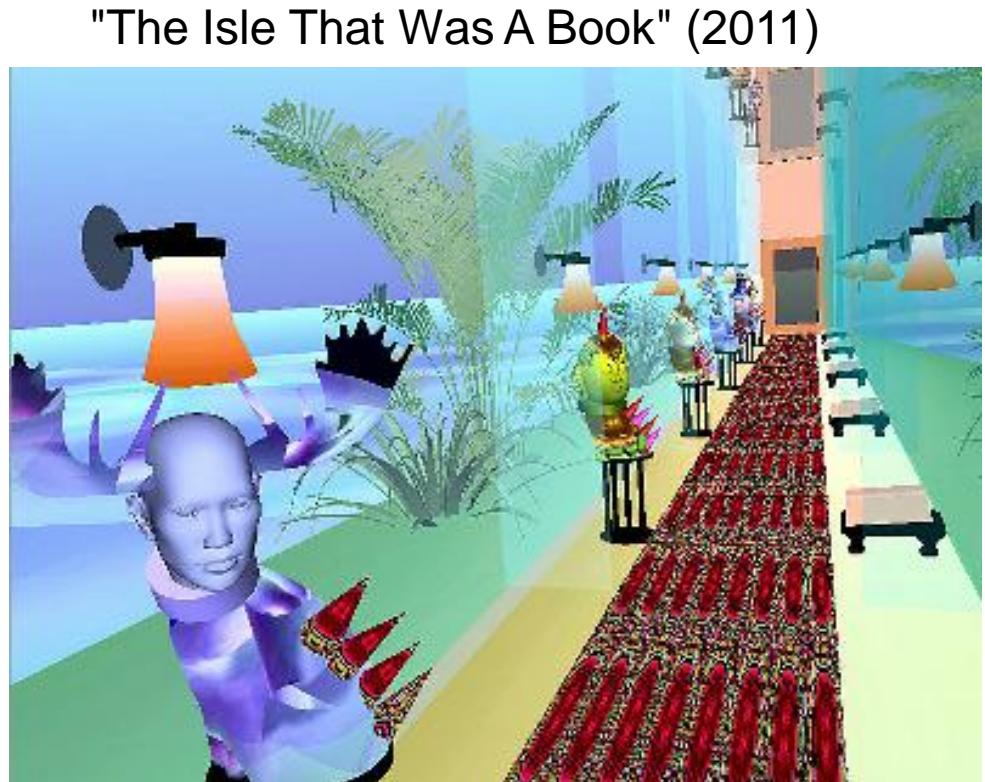
Zapping Zone (2004)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Nicole Stenger (1947, France)



"Angels" (1992), the first VR film



"The Isle That Was A Book" (2011)

The Age of Globalization

- Multimedia Installation/ Interactive
 - GH Hovagimyan (1950, USA)



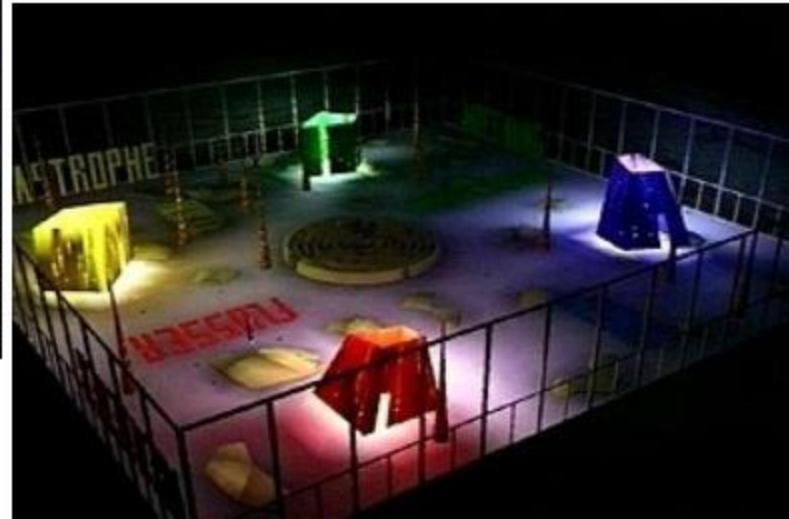
"Barbie & Ken Politically Correct" (1993)



"A soaPOPer for Laptops" (1997),
with live music by Rhys Chatham

The Age of Globalization

- Multimedia Installation/ Interactive
 - Monika Fleischmann (1950, Germany) & Wolfgang Strauss (1951, Germany)



“Home of the Brain”, VR (1992)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Monika Fleischmann (1950, Germany) & Wolfgang Strauss (1951, Germany)



“Liquid Views” (1993)



“Interfacing the Archive” (2012)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Brenda Laurel (1950, USA) and Rachel Strickland



“Placeholder”, VR (1992)

The Age of Globalization

- Multimedia Installation
 - Ken Feingold (1952, USA)



"The Surprising Spiral" (1991)

“Séance Box No.1” (1999),
telerobotics

The Computer Age

- Digital Media Art
 - Ken Feingold (1952, USA)

“Self Portrait as the Center of the Universe” (1998)

“Where I can see my house from here so we are” (1993), three small robot-puppets



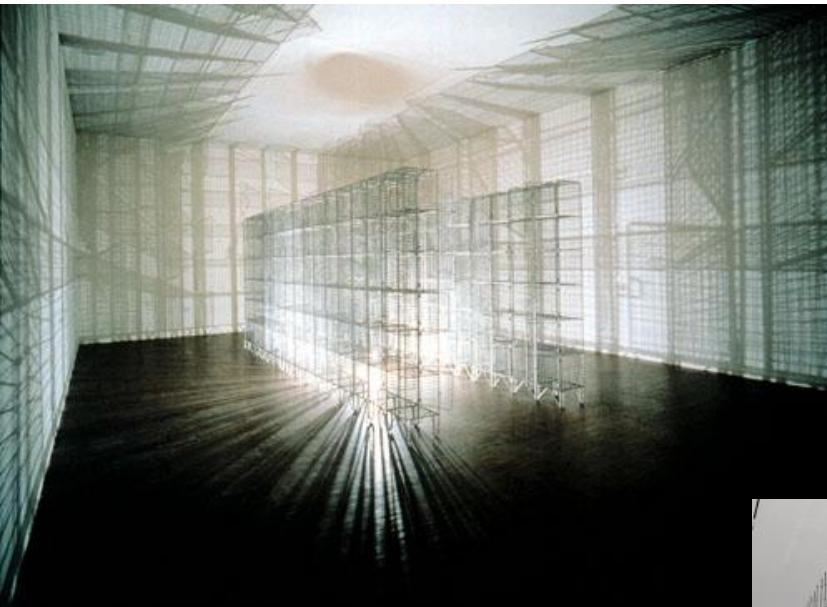
“If/then” (2001), two identical heads that engage in a philosophical conversation

“You” (2004), two identical heads— one with a male voice and the other with a female voice — that engage in a circular argument

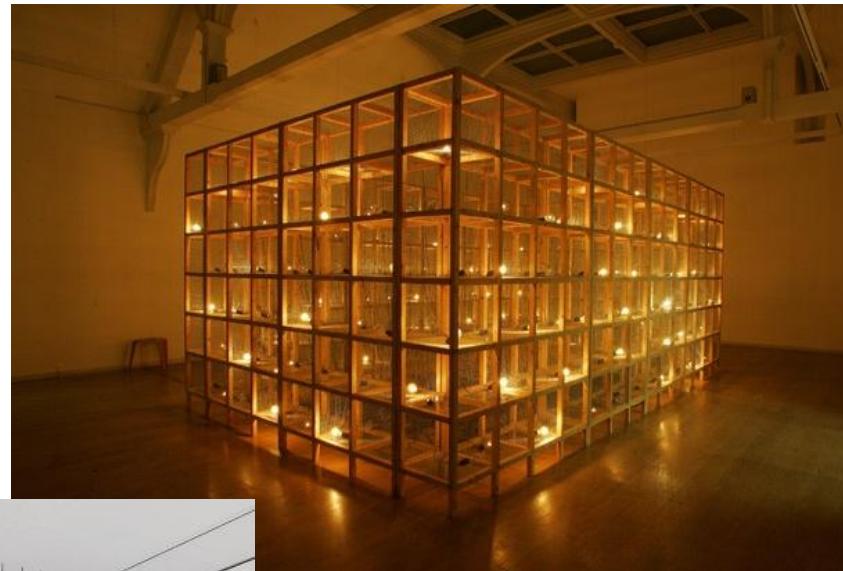


The Age of Globalization

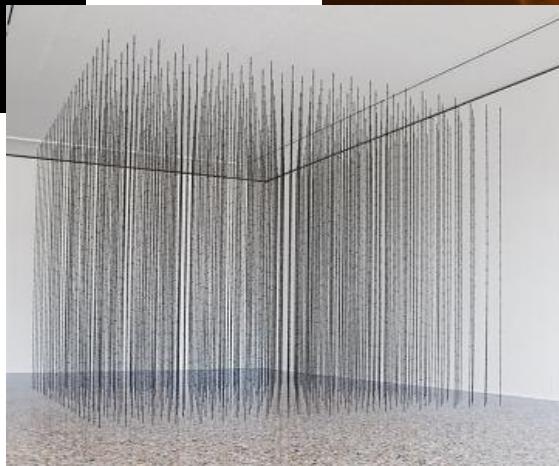
- Multimedia Installation
 - Mona Hatoum (1952, Lebanon)



"Light Sentence" (1992): a single moving light bulb illuminates the wire mesh walls and sculptures of a dark room



"Current Disturbance" (1996): the sound and light of flashing lightbulbs



"Impenetrable" (2009)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Jill Scott (1952, Australia)



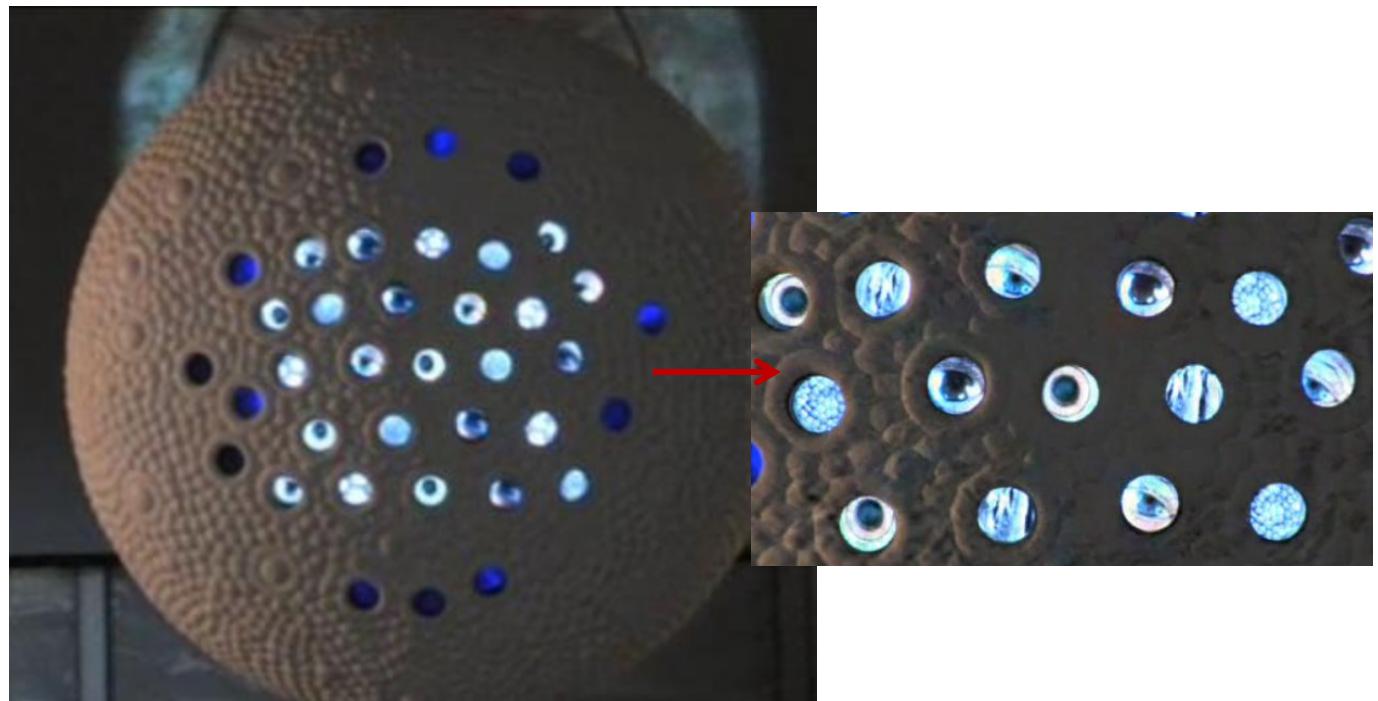
“Frontiers of Utopia” (1995)



"Beyond Hierarchy" (2000)

The Age of Globalization

- Multimedia Installation / Interactive
 - Jill Scott (1952, Australia)



“Electric Retina” (2008)

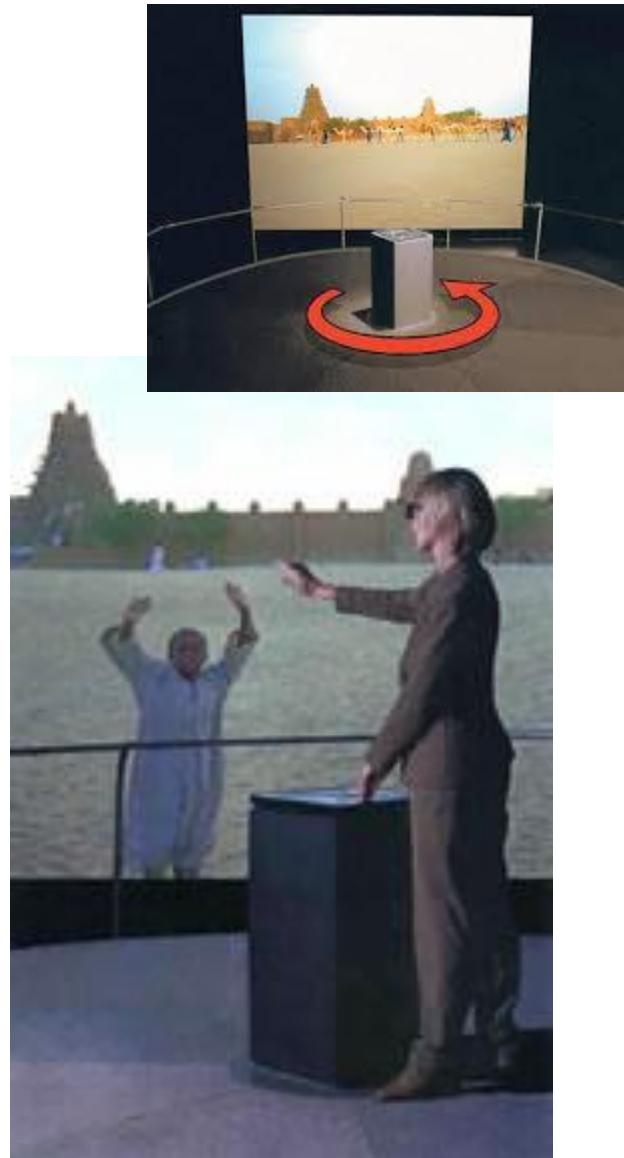
The Age of Globalization

- Immersive/interactive
 - Michael Naimark (1952, USA)



"Displacements" (1980): projection mapping

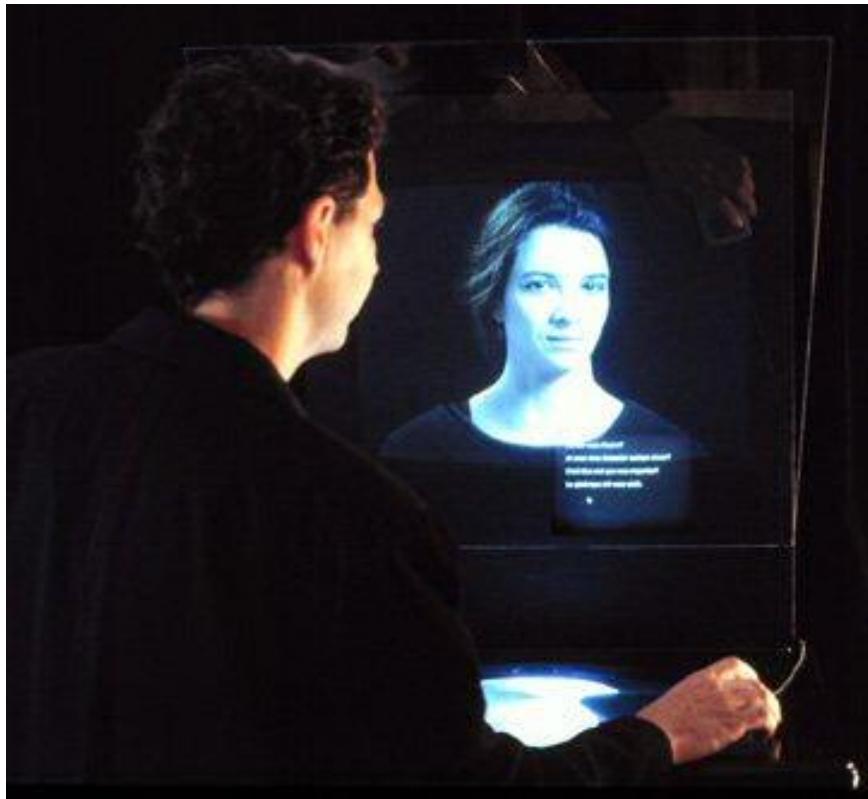
"Movie Map" (1979): navigation software



"Be Here Now" (1995)

The Age of Globalization

- Immersive/interactive Video Installation
 - Luc Courchesne (1952, Canada)



“Portrait One” (1990),
interactive video



“The Visitor - Living by Numbers” (2001), interactive video



The Age of Globalization

- Immersive/interactive Video Installation
 - Luc Courchesne (1952, Canada)

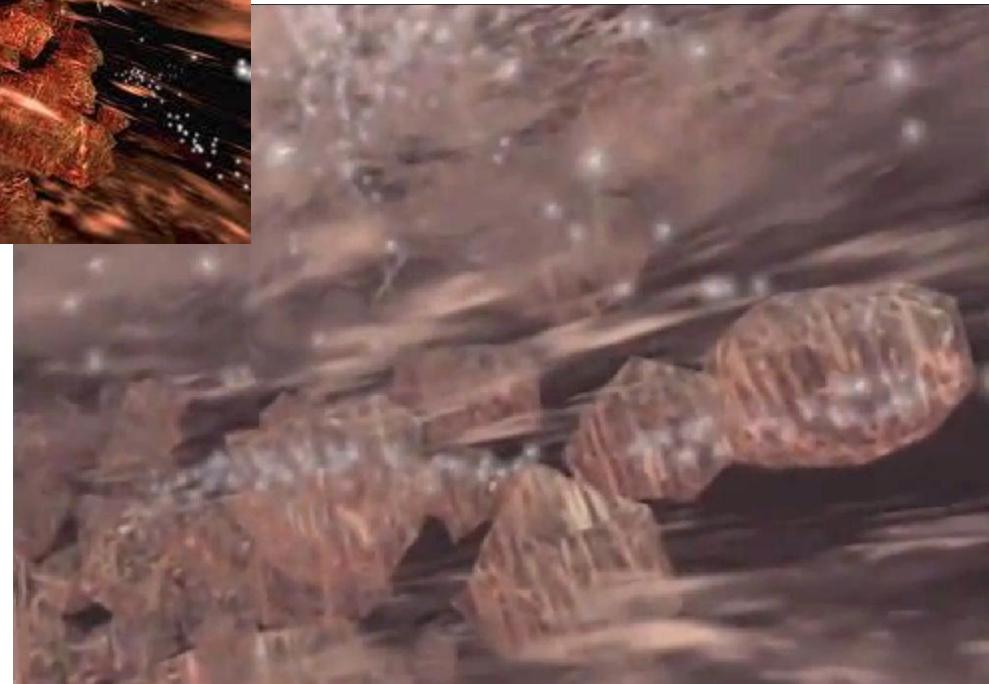
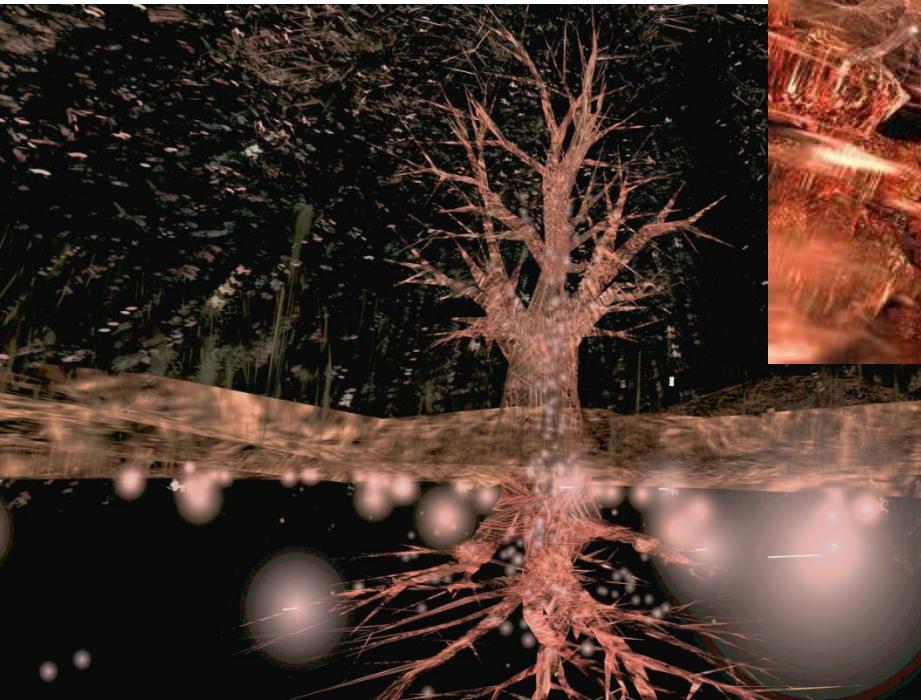
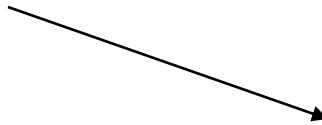


"Family Portrait" (1993)



The Age of Globalization

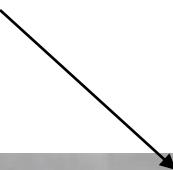
- Immersive/interactive
 - Charlotte Davies (1954, Canada)



"Osmose" (1998), VR

The Age of Globalization

- Immersive/interactive
 - Char Davies (1954, Canada)



Davies: "Ephemere" (1995), VR

The Age of Globalization

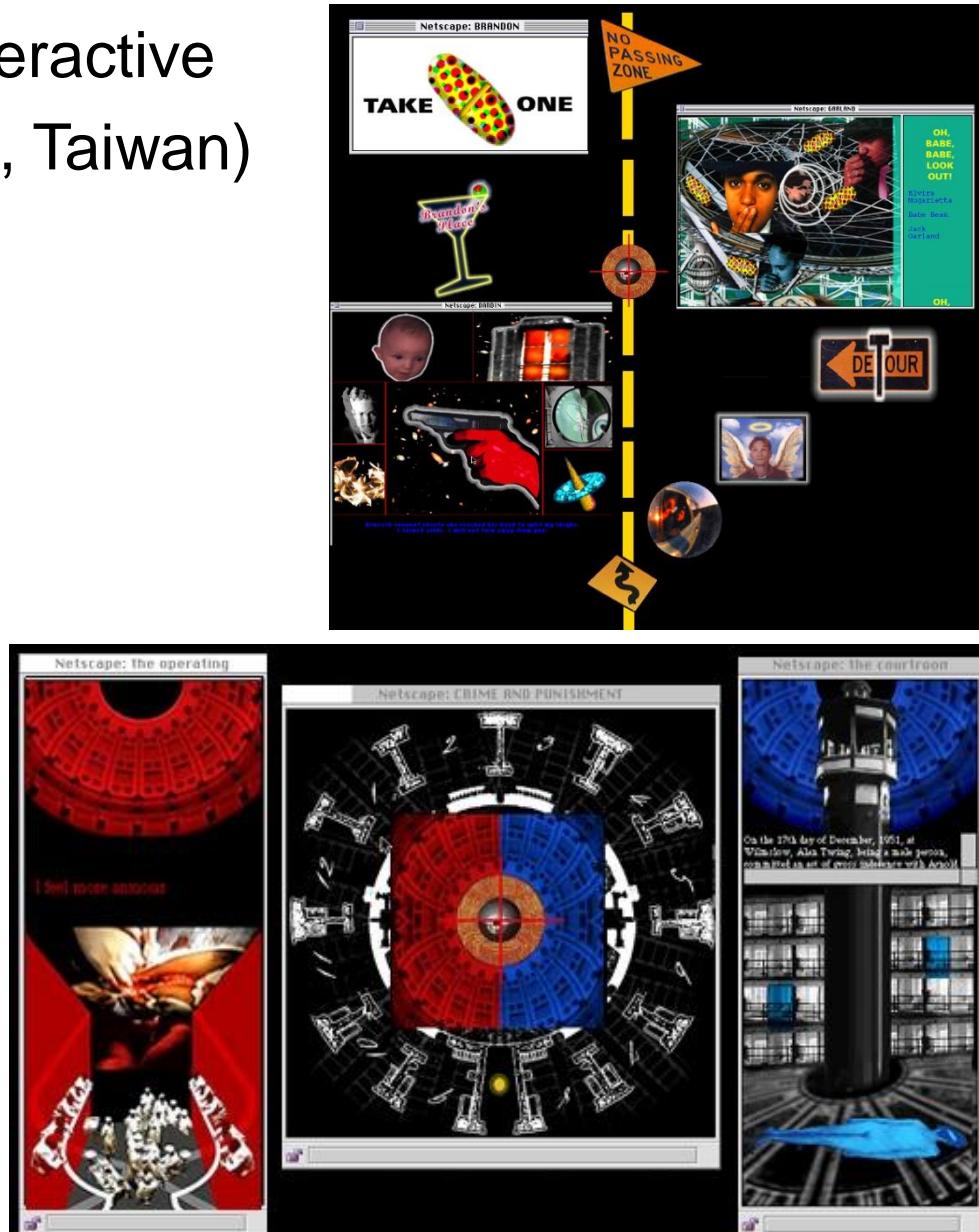
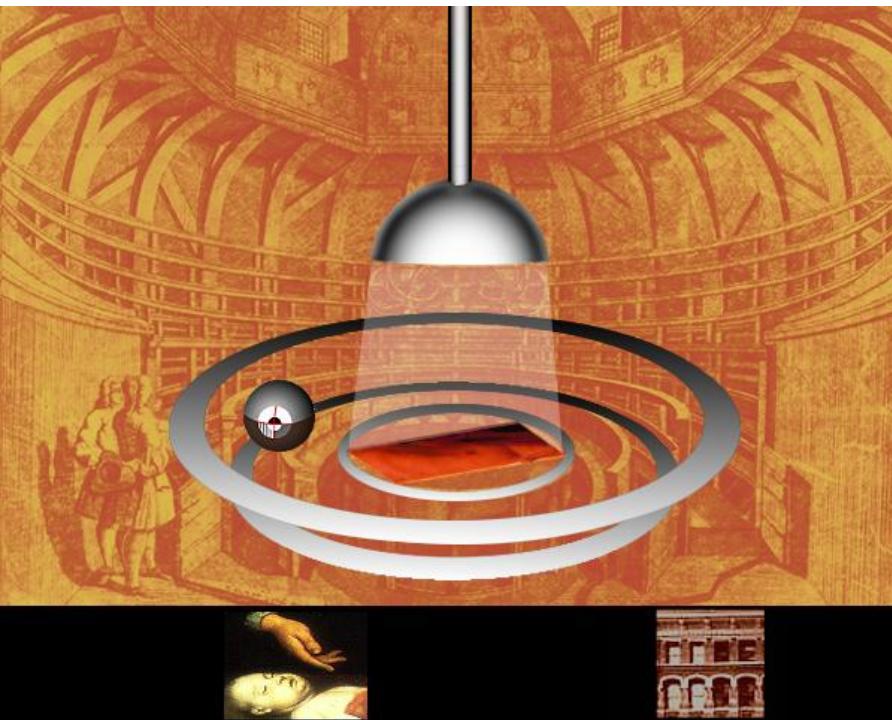
- Immersive/interactive
 - Miroslaw Rogala (1954, Poland)



"Lovers Leap" (1995)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Shu Lea Cheang (1954, Taiwan)



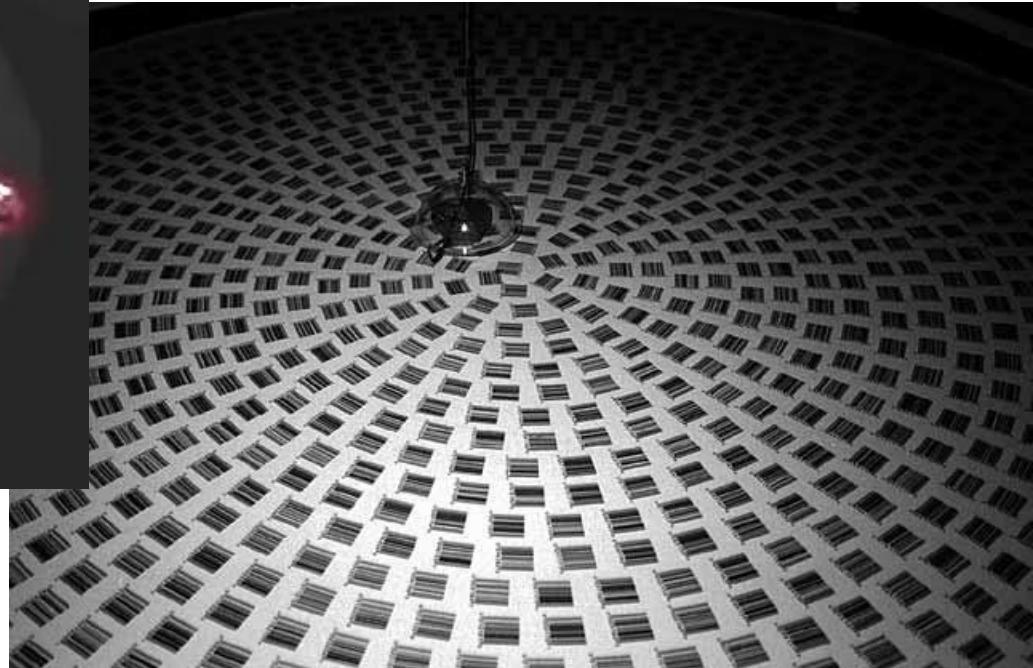
“Brandon” (1998), a website documenting the life and death of a girl pretending to be a boy who was raped and murdered

The Age of Globalization

- Multimedia Installation/ Interactive
 - Perry Hoberman (1954, USA)



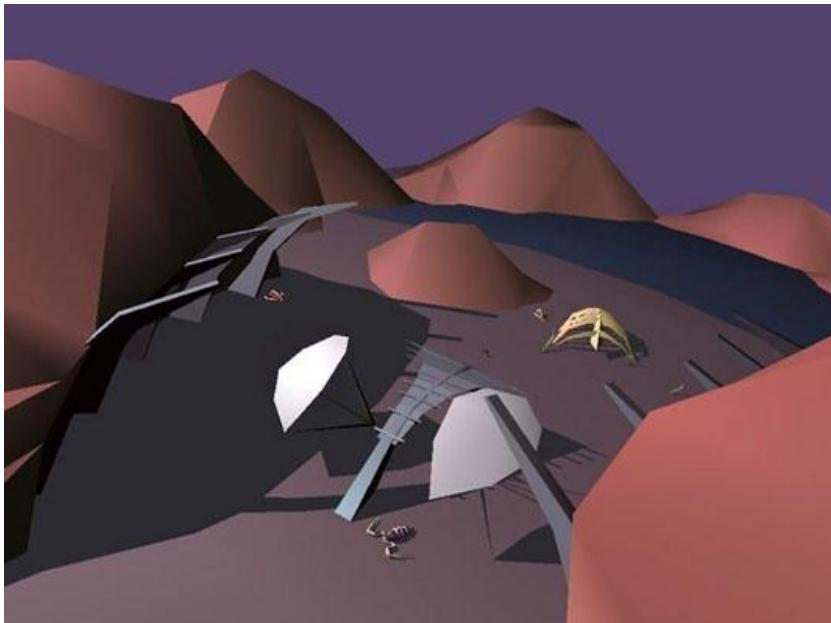
“Timetable” (1999)



“Workaholic” (2000)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Rebecca Allen (1954)



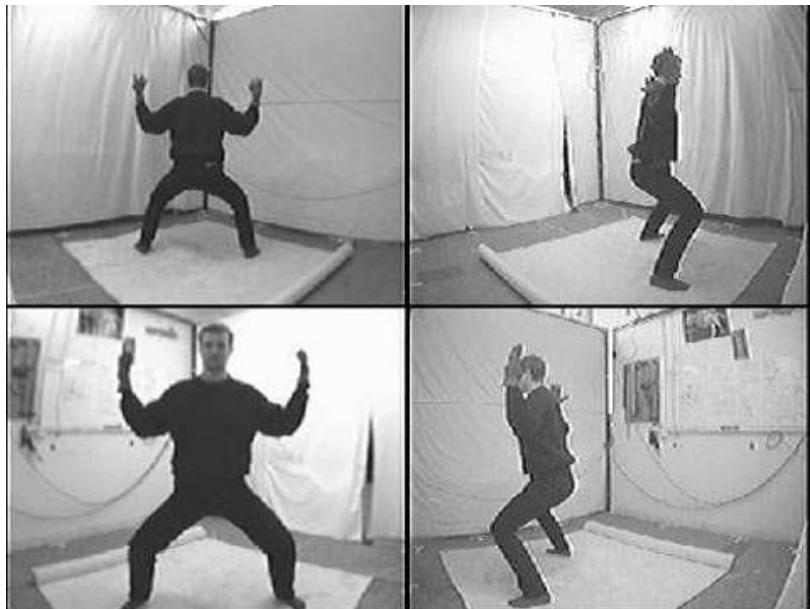
“Bush Soul” (1997)



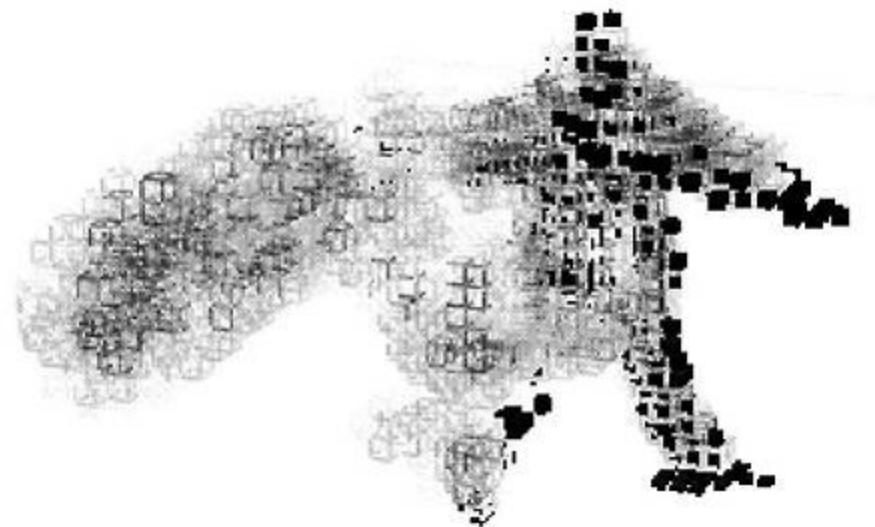
“Workaholic” (2000)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Simon Penny (1955, Australia)



“Traces” (1999), VR



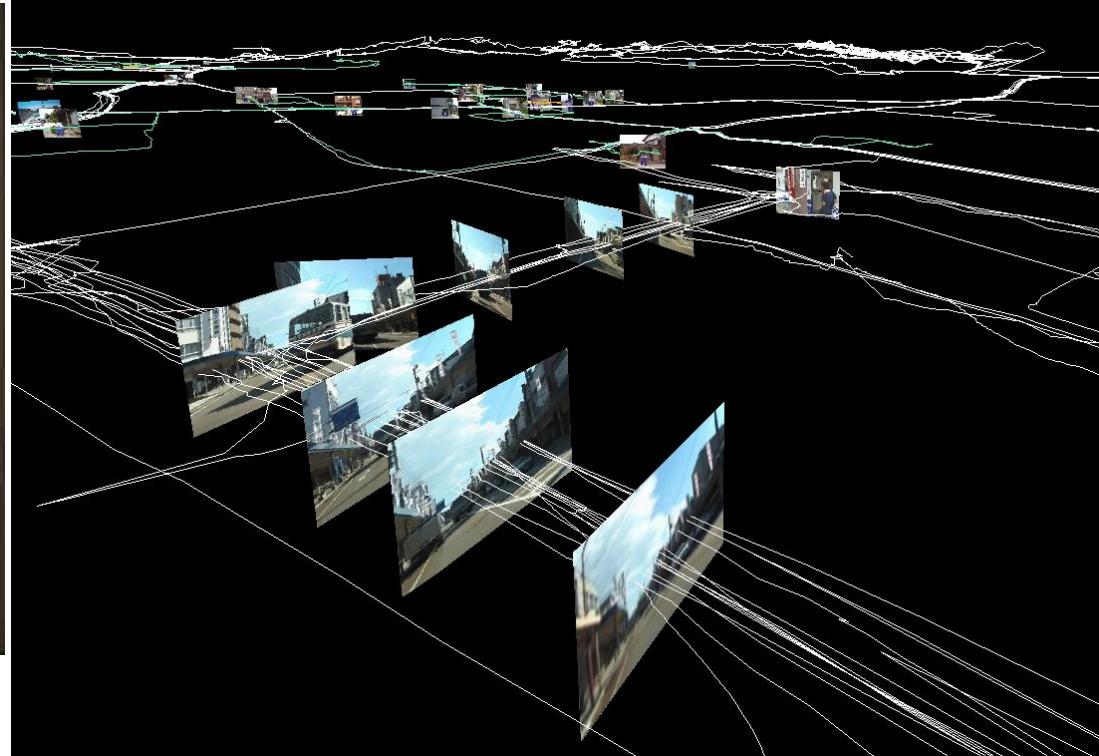
The Age of Globalization

- Multimedia Installation/ Interactive
 - Masaki Fujihata (1956, Japan)

“Field Works” (2002),
reconstructing collective
memories into cyberspace



“Global Interior Project” (1996)

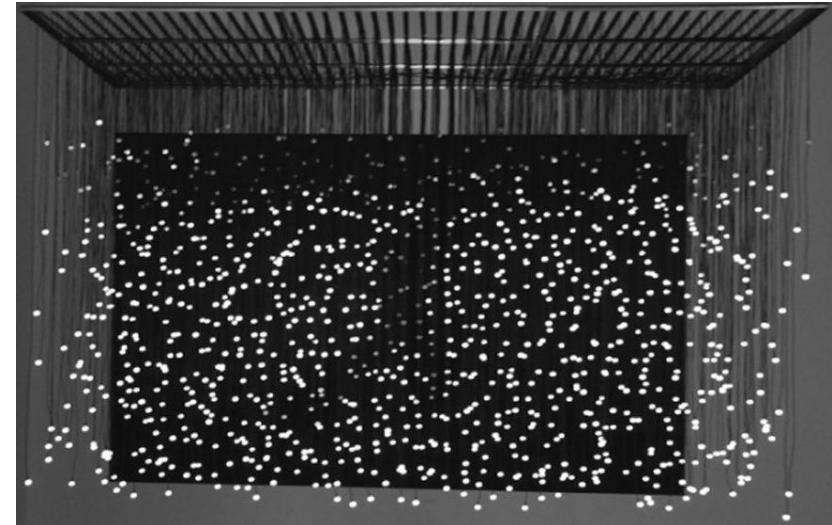


The Age of Globalization

- Multimedia Installation
 - Jim Campbell (1956, USA): LED matrix installations



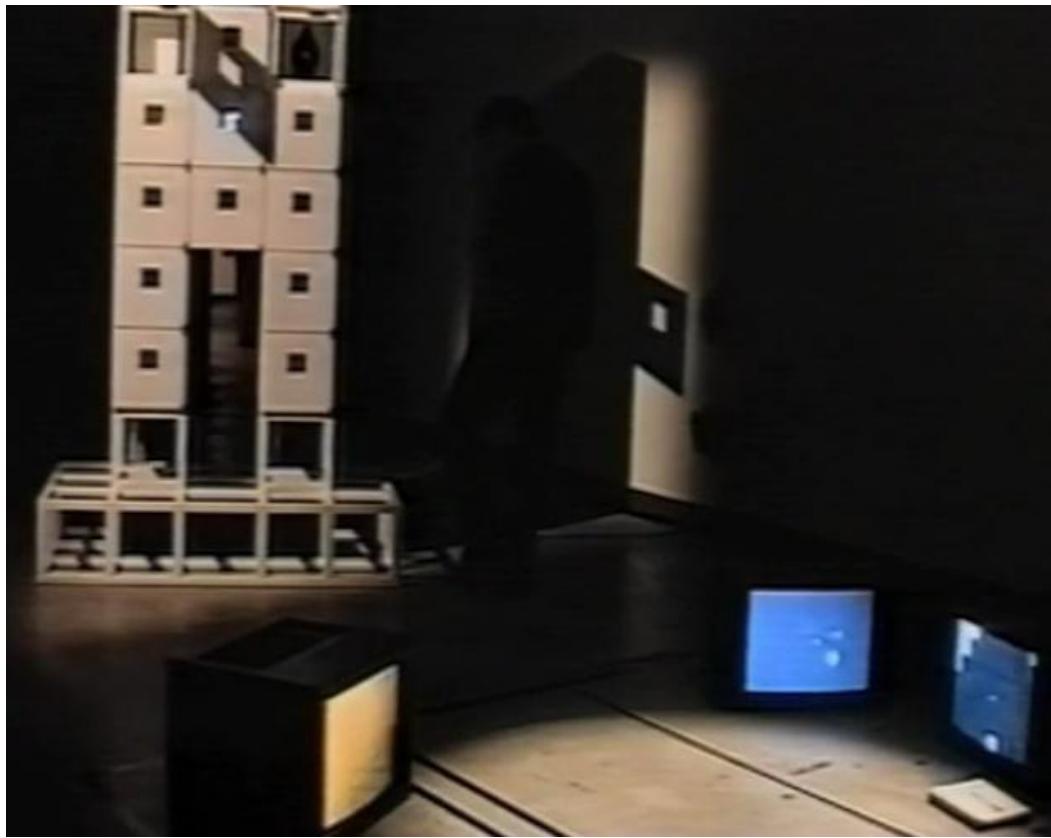
"Fifth Avenue Cutaway" (2001)



"LED Explosion" (2010)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Masaki Fujihata (1956, Japan)



"Global Interior Project" (1995),
networked multi-user virtual environment

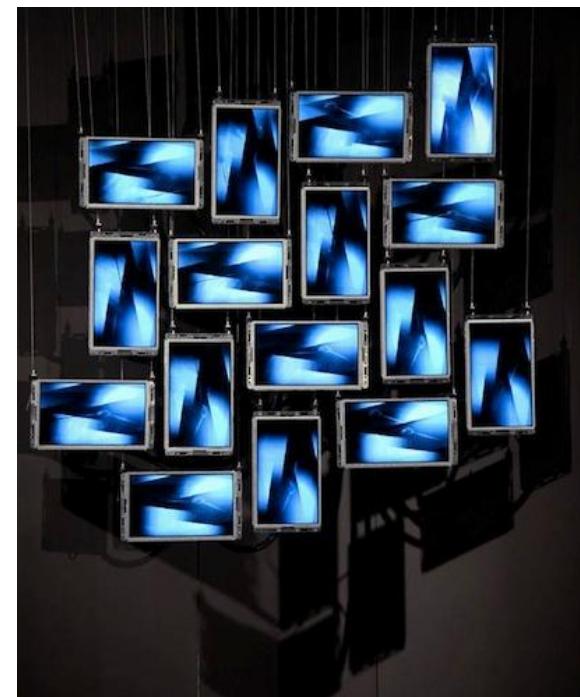
"Removable Reality (1992),
which used an infrared cordless
phone

The Age of Globalization

- Multimedia Installation/ Interactive
 - Bill Seaman (1956, USA)



"World Generator" (1996)



"Engine of Engines" (2011)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Lawrence Paul Yuxweluptun (1957, Canada)



"Inherent Rights, Vision Rights" VR (1992)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Janet Cardiff (1957, Canada) and George-Bures Miller (1960, Canada)



"The Dark Pool" (1995),
every object speaks

The Age of Globalization

- Multimedia Installation/ Interactive
 - Ingo Guenther (1957, Germany)



"Refugee Republic" (1996),
data visualization

"World Processor - Field of Globes"
(2000), data visualization



The Age of Globalization

- Tamiko Thiel (1957, USA): augmented reality



“Gardens of the Anthropocene” (2016)



The Age of Globalization

- Multimedia Installation/ Interactive
 - Maurice Benayoun (1957, Algeria)



“World Skin”, VR (1997)



“Cosmopolis” (2005)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Maurice Benayoun (1957, Algeria)



“The Tunnel under the Atlantic” (1995)



“Is the Devil Curved?” (1995)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Simon Biggs (1957, Australia)



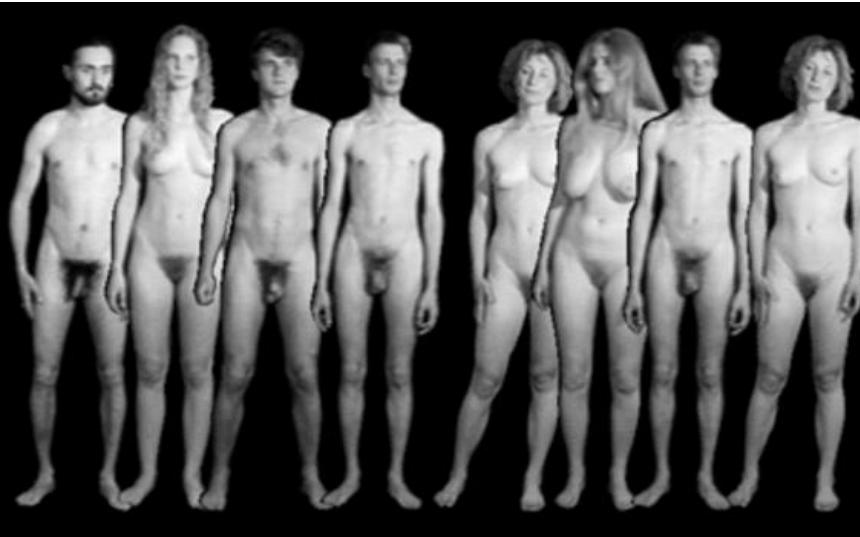
"Halo" (1998)



"Parallax" (2001)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Simon Biggs (1957, Australia)



“Shadows” (1993)



“Dark Matter” (2016)

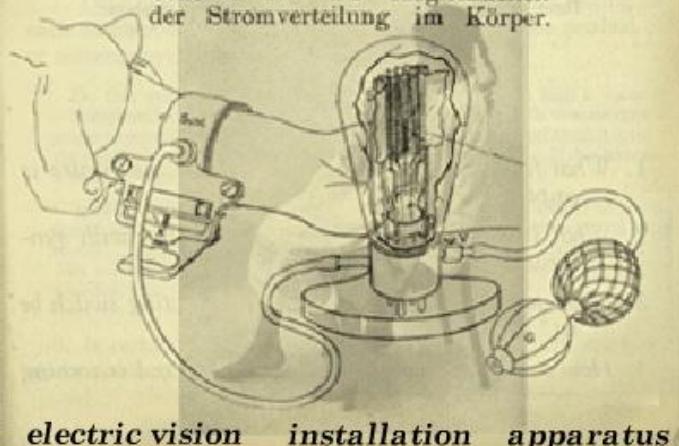
The Age of Globalization

- Multimedia Installation/ Interactive
 - Zoe Beloff (1958, Britain)

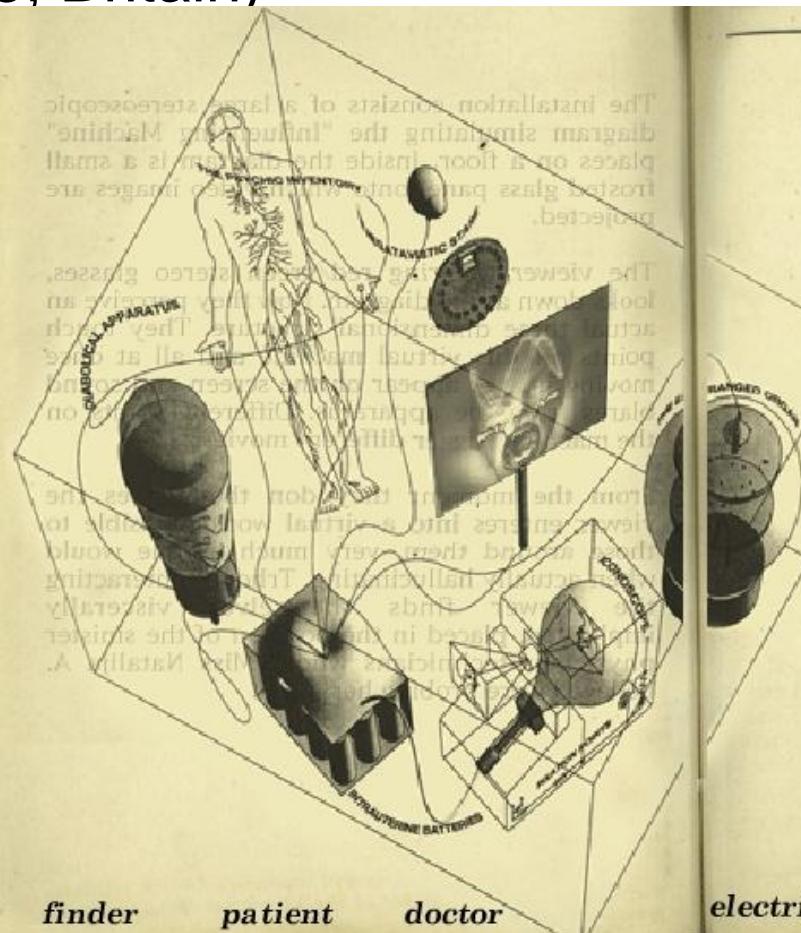


Fig. 14.

Schema für die Möglichkeiten der Stromverteilung im Körper.



electric vision installation apparatus

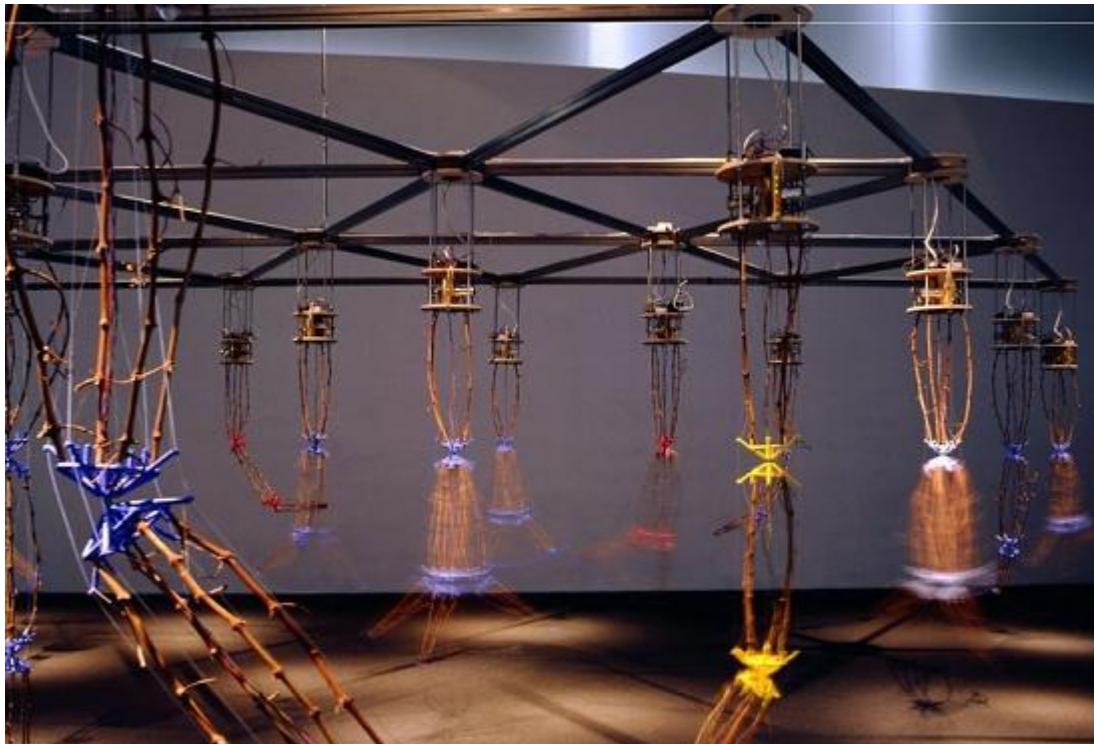


“The Influencing Machine” (2001)



The Age of Globalization

- Multimedia Installation/ Interactive
 - Ken Rinaldo (1958, USA)



"Autopoiesis" (2000), interactive
robotic installation



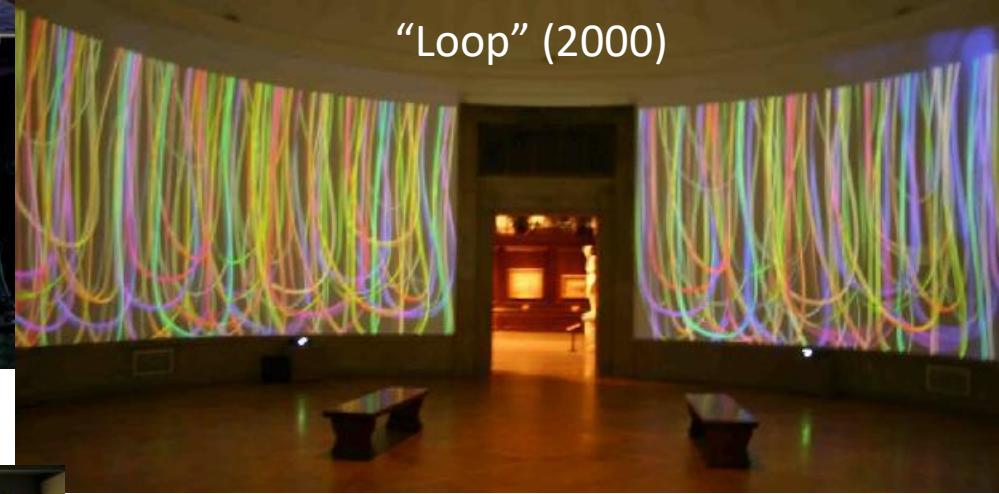
"Augmented Fish Reality" (2004),
interactive robotic installation

The Age of Globalization

- Jennifer Steinkamp (1958, USA): video installations



"Gender Specific" (1989)



"Loop" (2000)



"Still-Life" (2016)

The Age of Globalization

- Jennifer Steinkamp (1958, USA)



“Winter Fountains” (2017)



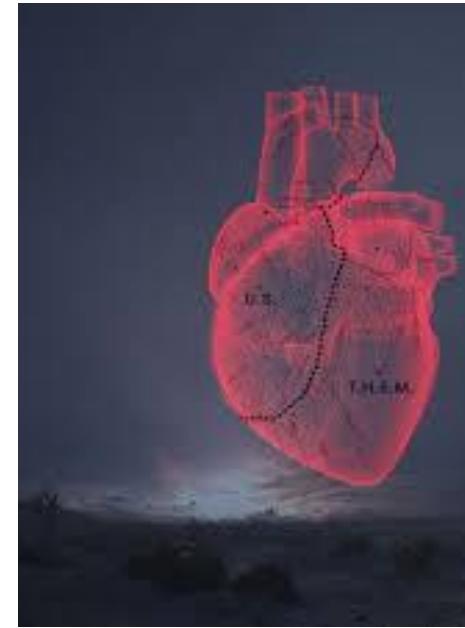
“You” (2016), VR



“Madame Curie” (2011)

The Age of Globalization

- Alejandro Inarritu
 - Carne y Arena (2017), VR
- Laurie Anderson
 - Chalkroom (2017), VR
 - To the Moon (2017), VR
- Kathryn Bigelow: “Protectors: Walk in the Ranger’s Shoes” (2017), VR



The Age of Globalization

- Multimedia Installation/ Interactive
 - Victoria Vesna (1959, USA)



“Bodies” (1993), a website to construct bodies

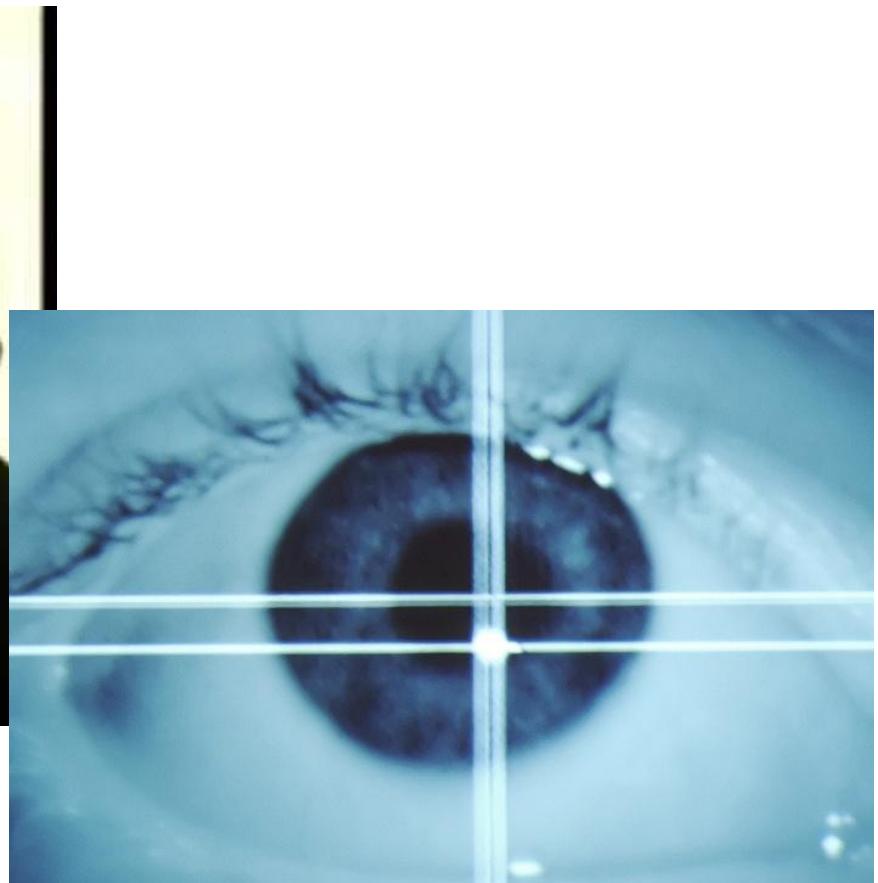


“Zero@wavefunction” (2002), nanoart



The Age of Globalization

- Immersive/interactive
 - Joachim Sauter (1959, Germany) & Dirk Lüsebrink



“Zerseher/ Iconoclast” (1991)

The Age of Globalization

- Immersive/interactive
 - Miguel Chevalier (1959, France)



“Periphery” (1998), VR



“Fractal Cloud” (2000)

The Age of Globalization

- Immersive/interactive
 - Tamas Waliczky (1959, Hungary)



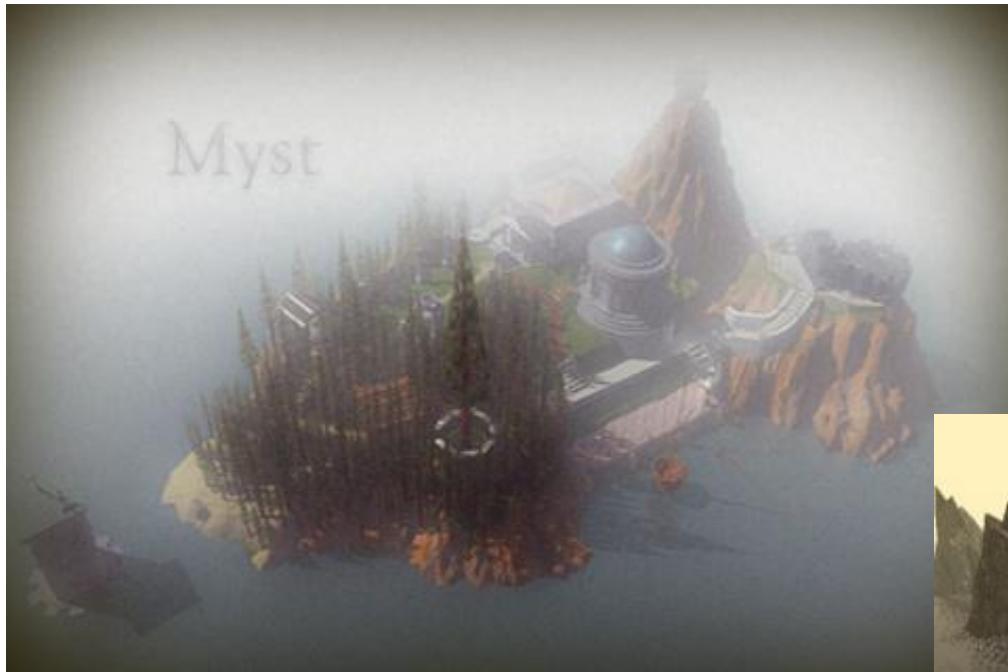
"Focus" (1998)



“Sculptures” (1997)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Rand Miller (1959, USA): gaming

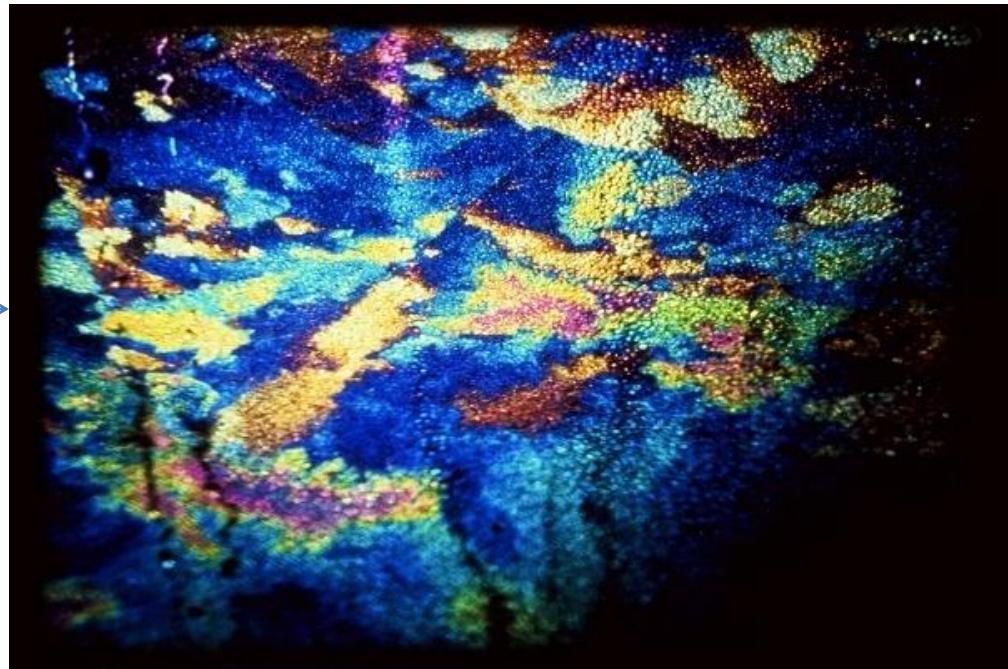


“Myst” (1993), first “artistic” videogame



The Age of Globalization

- Multimedia Installation/ Interactive
 - Shawn Brixey (1961, USA): art and science



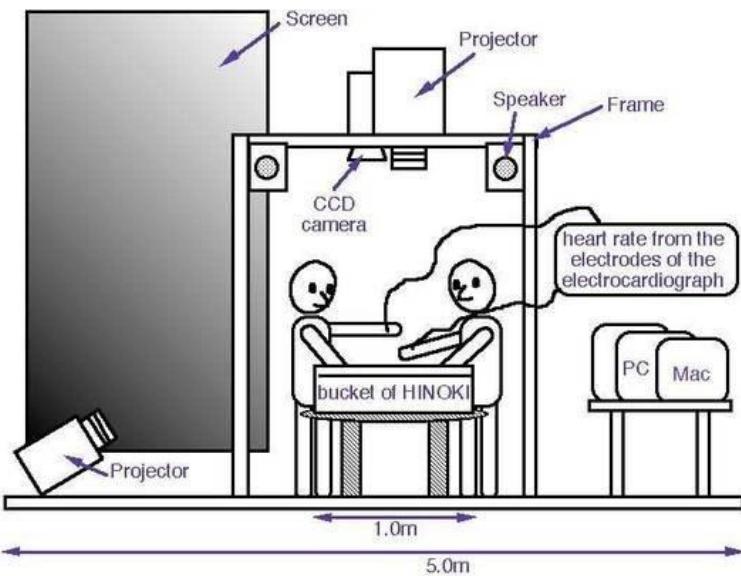
"Alchymeia" (1998), genetically engineered ice crystal installation using human hormones

The Age of Globalization

- Multimedia Installation/ Interactive
 - Naoko Tosa (1961, Japan)



“Talking to Neuro Baby”
(1993), emotion recognition



“Interactive Poem” (1996),
collaborative poetry

“Unconscious Flow” (1999)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Chico MacMurtrie (1961, USA): Amorphic Robot Works (1992)



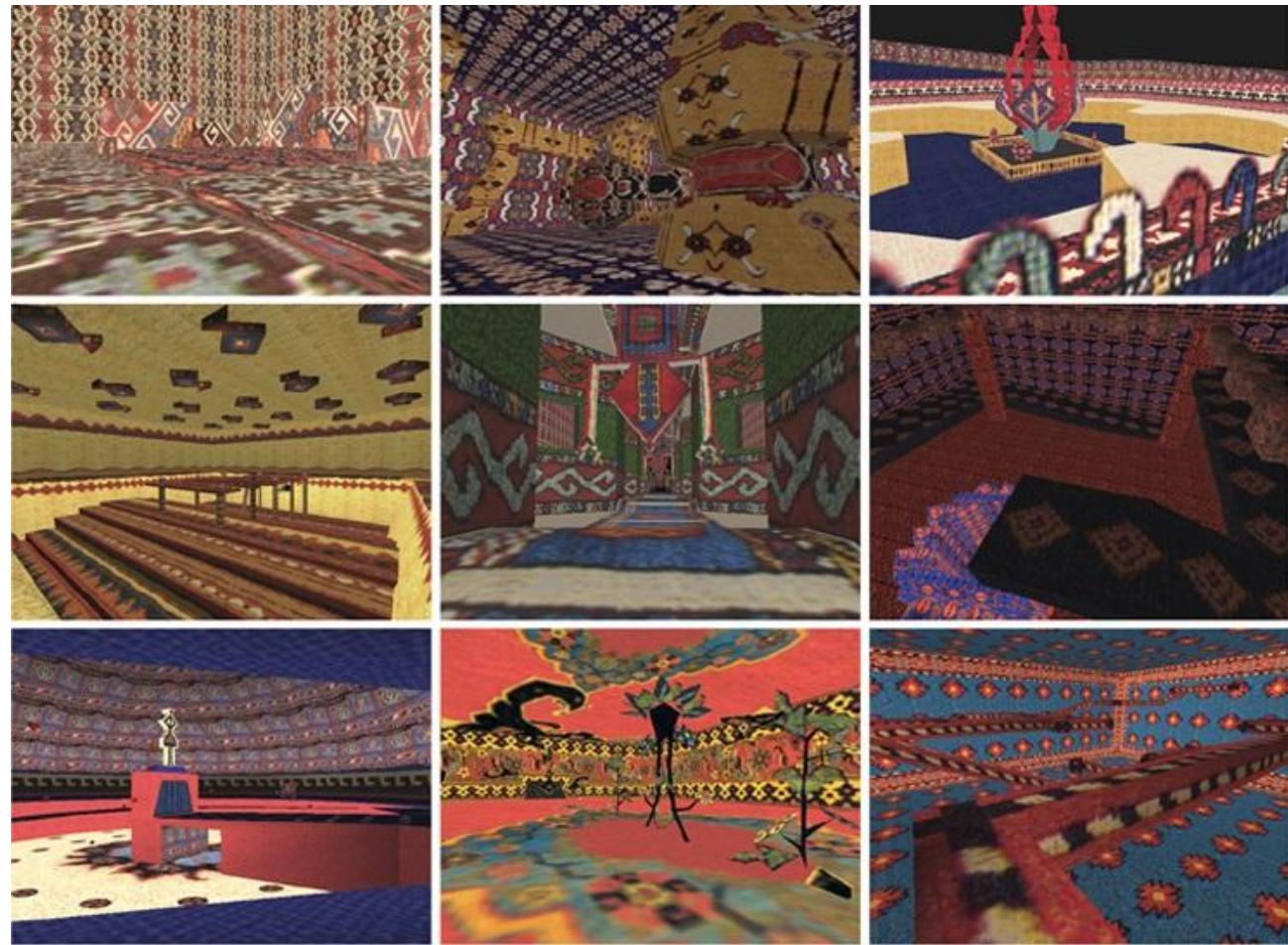
"Ancestral Path/ Robotic Church" (2000), a crowd of animated computer-controlled pneumatic sculptures



"Urge to Stand" (1999)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Mel Chin (1961, USA)



"Knowmad" (2000),
videogame based on rug
patterns of nomadic
people facing cultural
extinction

The Age of Globalization

- Multimedia Installation/ Interactive
 - Mel Chin (1961, USA)



Artist Mel Chin Floods Times Square With Virtual Reality Art to Sound the Alarm on Climate Change

The prophetic artwork is a team-up with Microsoft HoloLens.

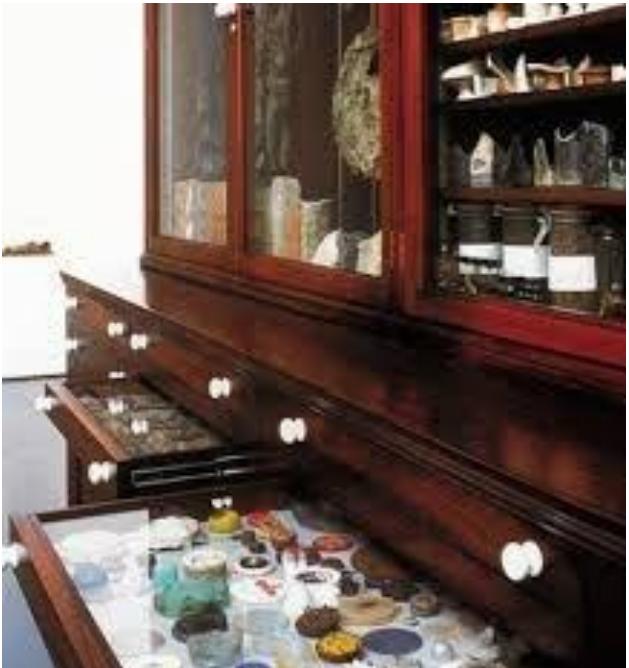
Sarah Cascone, July 12, 2018



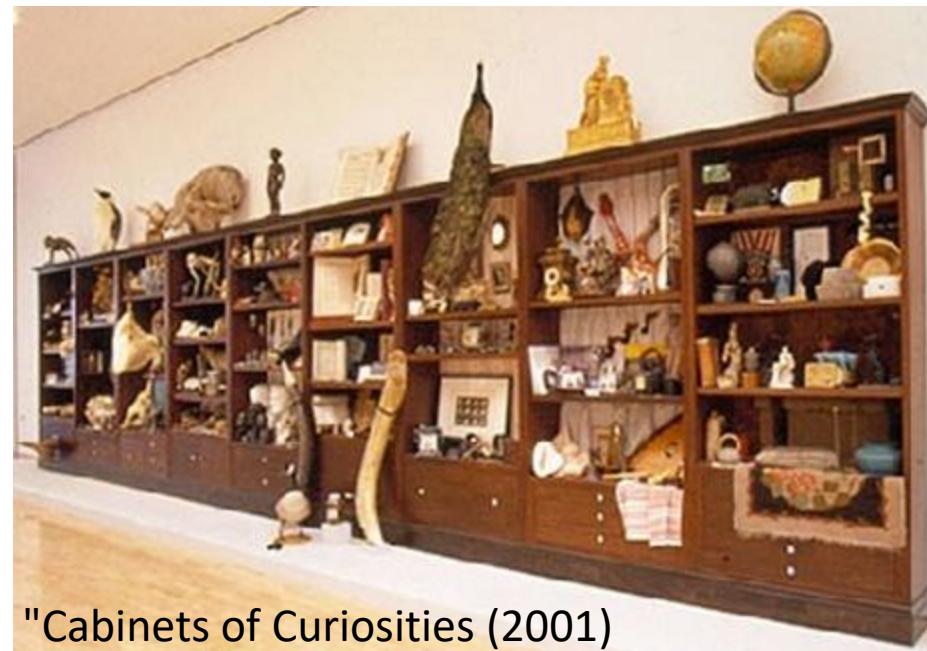
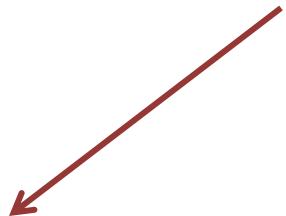
"Wake and Unmoored" (2018),
virtual reality

The Age of Globalization

- Mark Dion (1961, USA): cabinets of curiosity



Tate Thames Dig (1999)



"Cabinets of Curiosities (2001)

The Age of Globalization

- Mark Dion (1961, USA)



“Systema Metropolis” (2007)



The Age of Globalization

- Mark Dion (1961, USA)



"The Melancholy Museum" (2019)



The Age of Globalization

- Multimedia Installation/ Interactive
 - Toshio Iwai (1962, Japan)



Well of Lights (1992)

The Age of Globalization

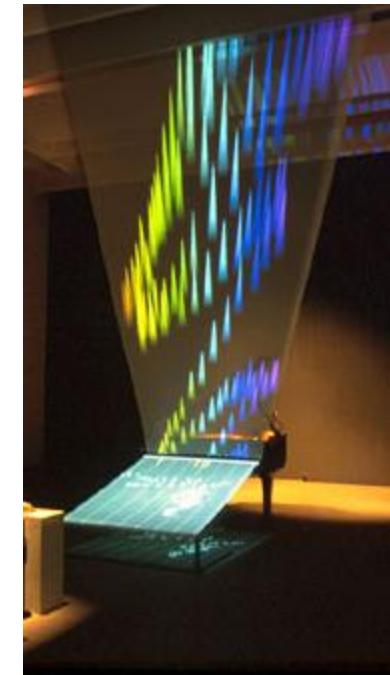
- Computer Art
 - Toshio Iwai (1962, Japan): optical illusion



“Morphovision” (2005)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Toshio Iwai (1962, Japan)



"Piano" (1995)

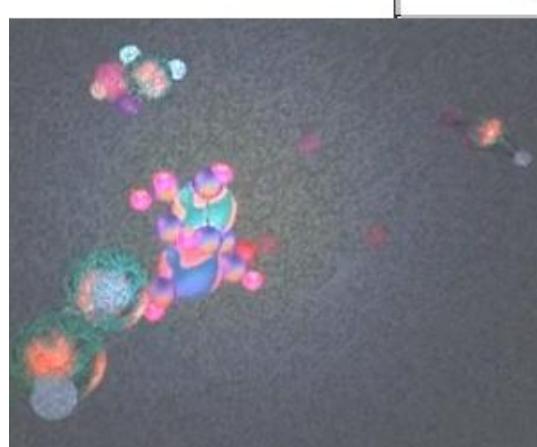
The Age of Globalization

- Multimedia Installation/ Interactive
 - Richard Brown (19??, ??)

"Biotica" (1999), simulated evolution



"Alembic" (1997), VR



The Age of Globalization

- Multimedia Installation/ Interactive
 - Karl Sims (1962, USA): simulated evolution



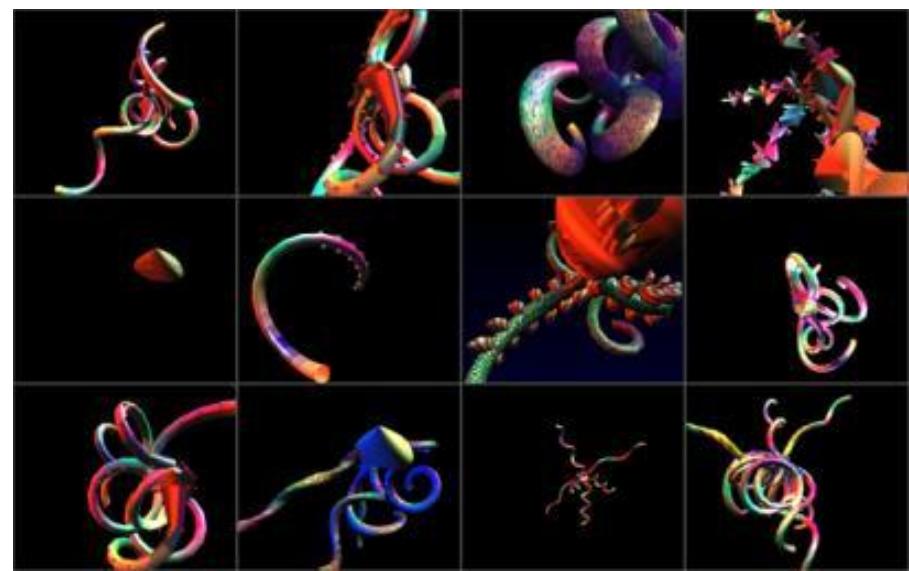
“Panspermia” (1990)



“Tori” (1991)



“Galapagos” (1997)

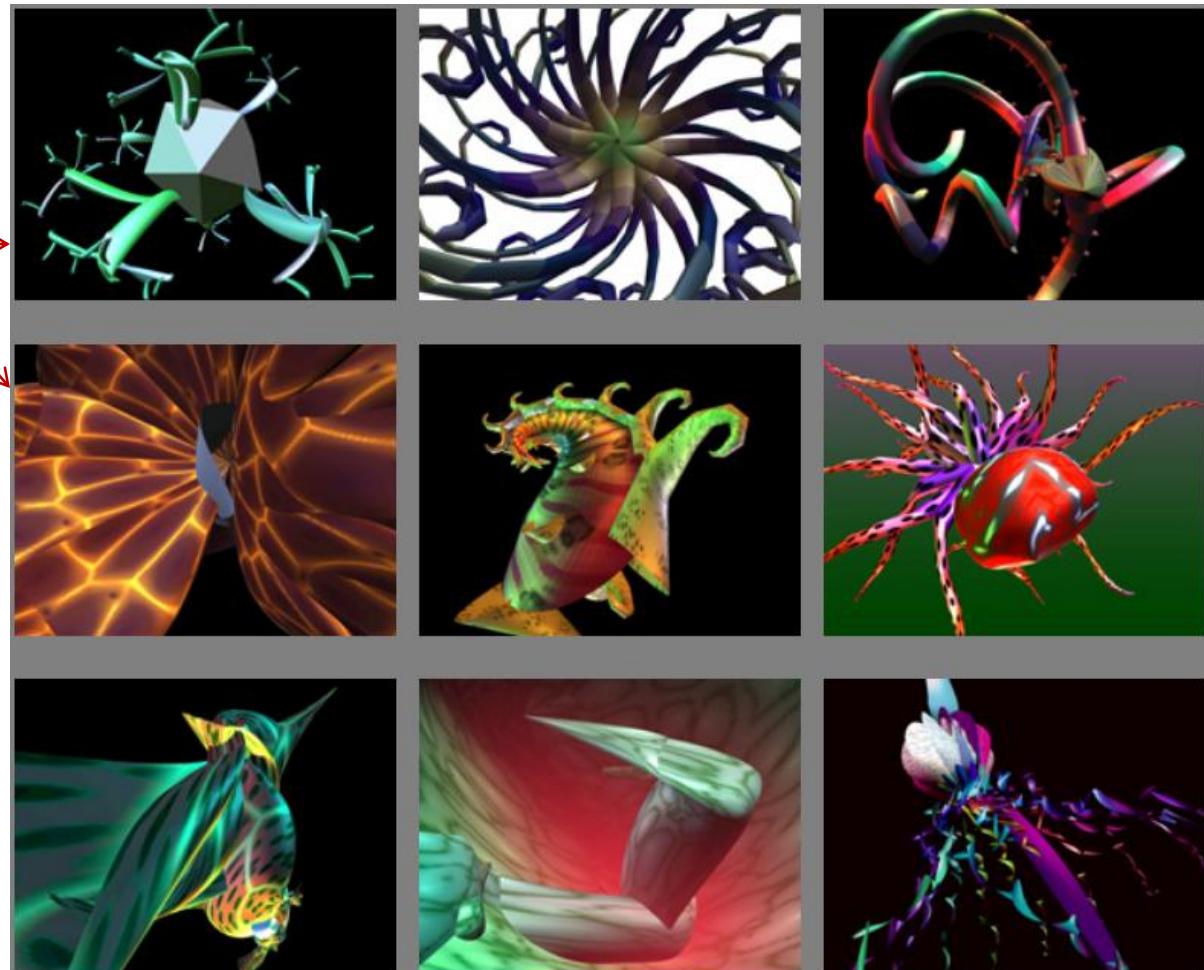


The Age of Globalization

- Multimedia Installation/ Interactive
 - Karl Sims (1962, USA): simulated evolution



“Galapagos” (1997)



The Age of Globalization

- Multimedia Installation/ Interactive
 - Natalie Bookchin (1962, USA): gaming
 - John Klima (1971, USA): gaming



“Metapet” (2003)



“Train” (2003)

The Age of Globalization

- Multimedia Installation
 - Pierre Huyghe (1962, France)

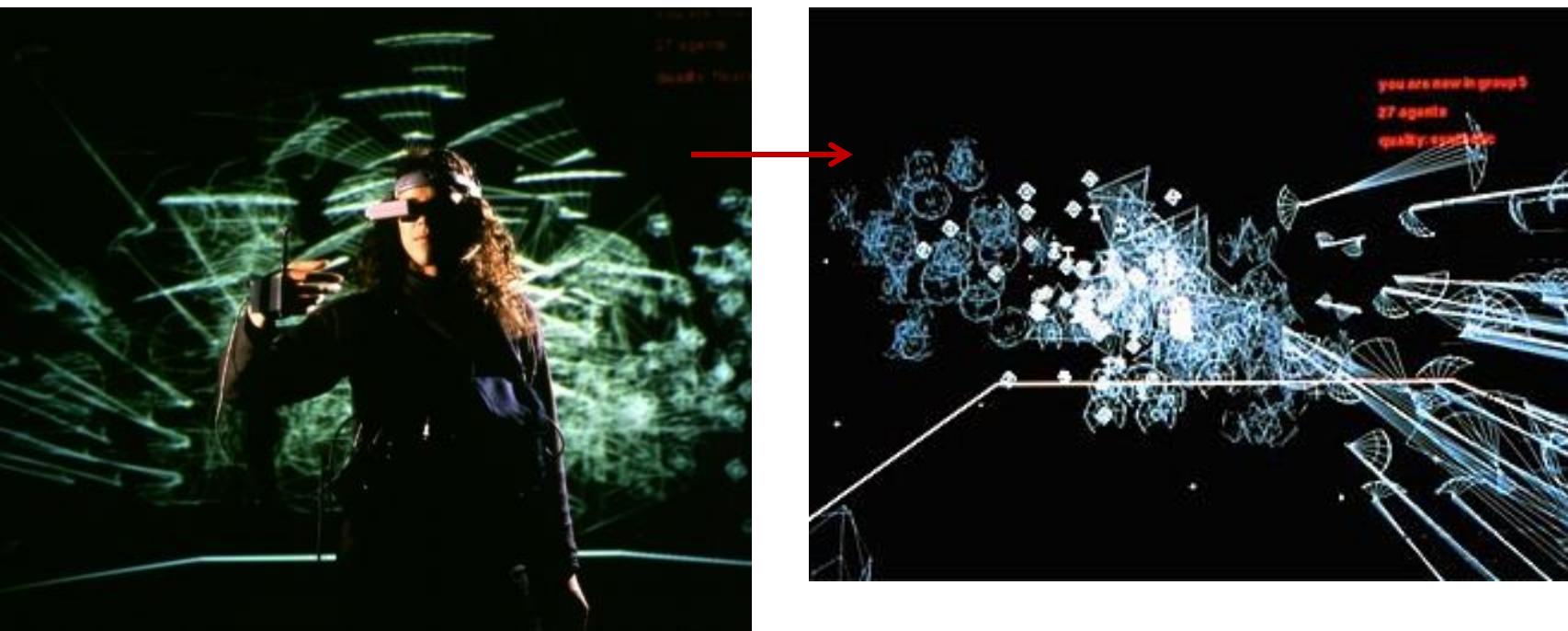


“L’Expédition Scintillante”
(2002) - on three stages



The Age of Globalization

- Multimedia Installation/ Interactive
 - Knowbotic Research (Switzerland, founded 1991): Yvonne Wilhelm (1962), Christian Huebler (1962), Alexander Tuchacek (1962)

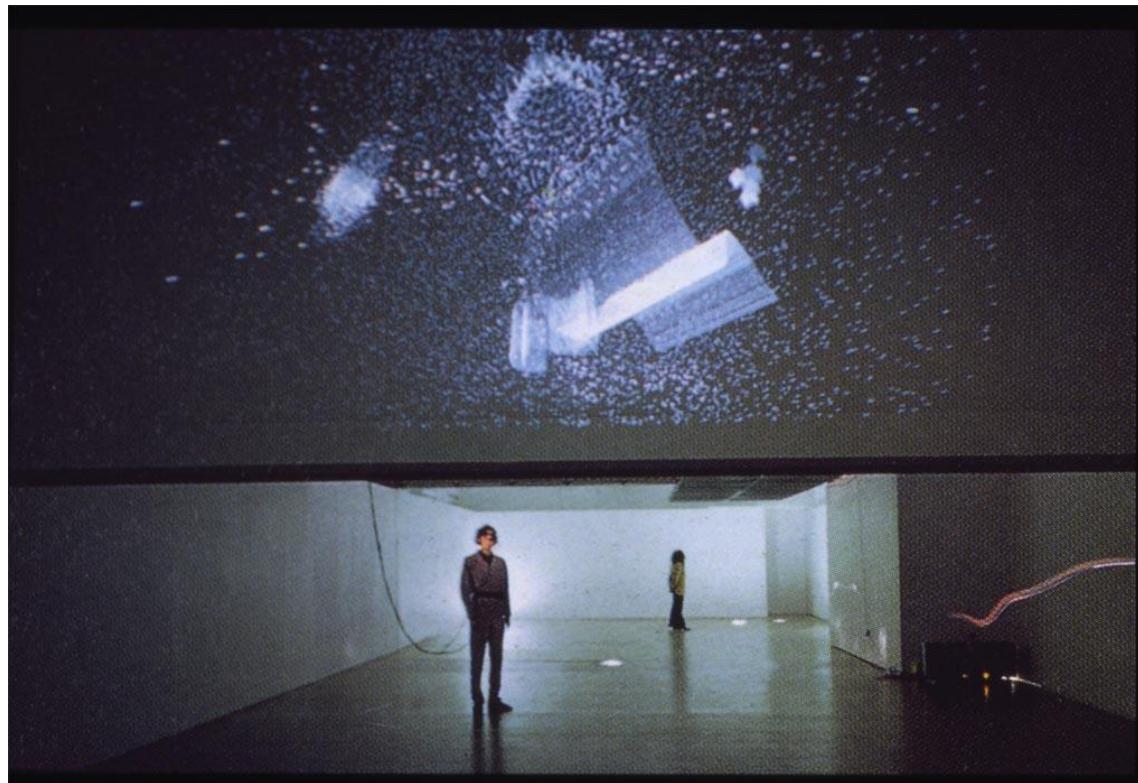


“Simulation Mosaik Data Klaenge” (1993)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Knowbotic Research

“Dialogue with the Knowbotic South” (1994)



The Age of Globalization

- Multimedia Installation/ Interactive
– Knowbotic Research



“Anonymous Muttering” (1996)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Knowbotic Research



"IO_dencies" (1997)

The Age of Globalization

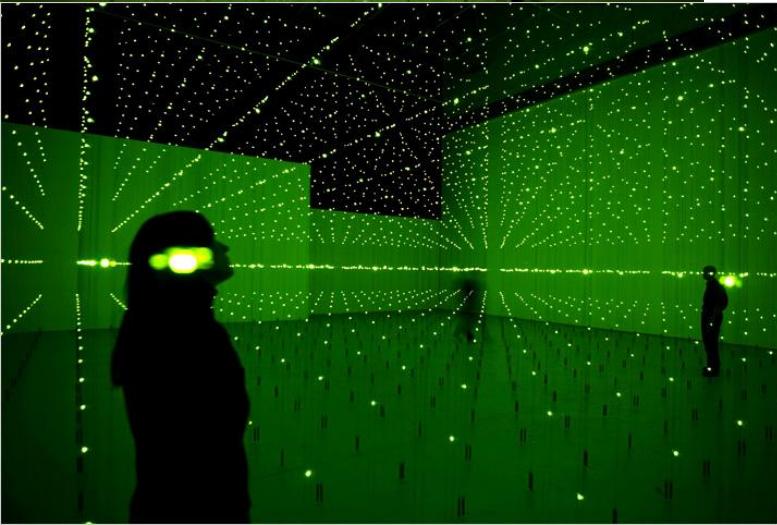
- Multimedia Installation
 - Erwin Redl (1963, Austria) : LED matrix installations



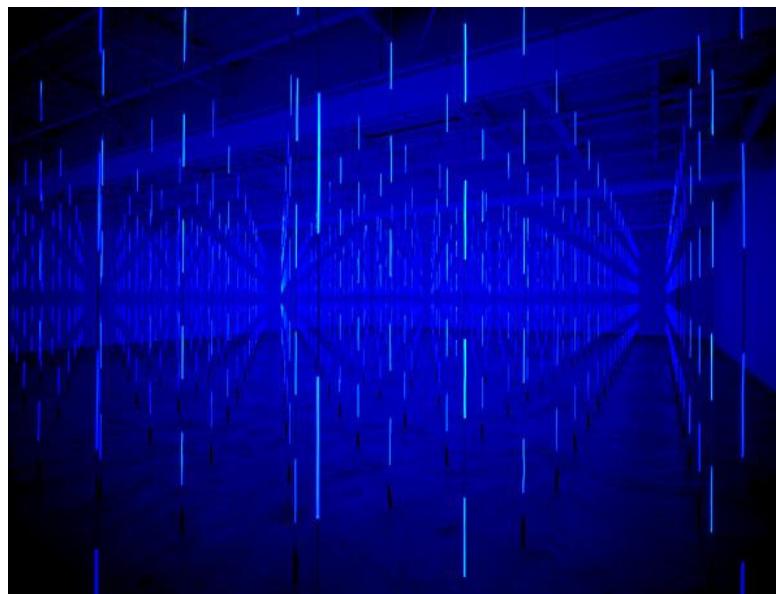
“Matrix II”
(2000)



“Fade I”
(2004)

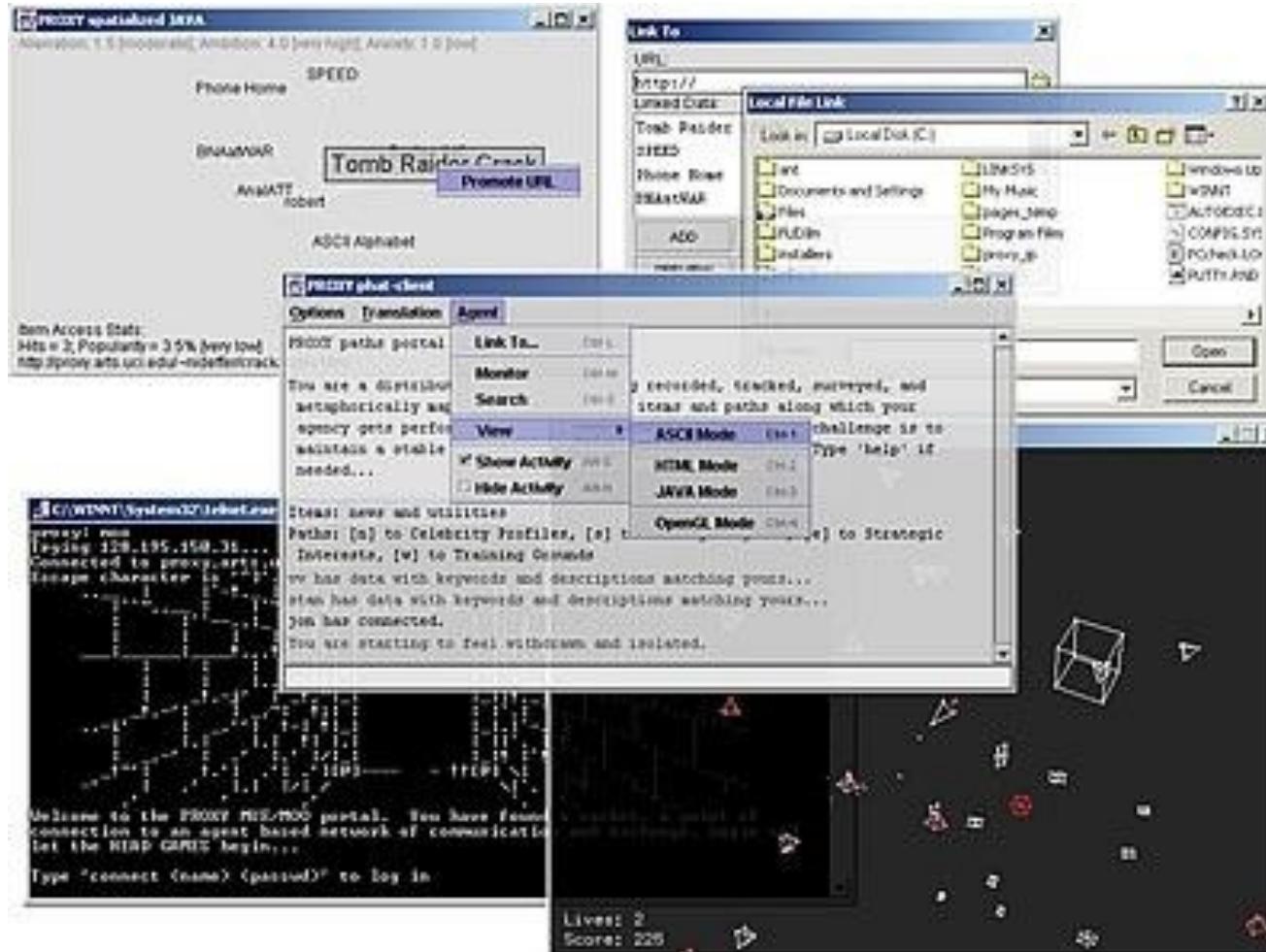


“Matrix XV”
(2007)



The Age of Globalization

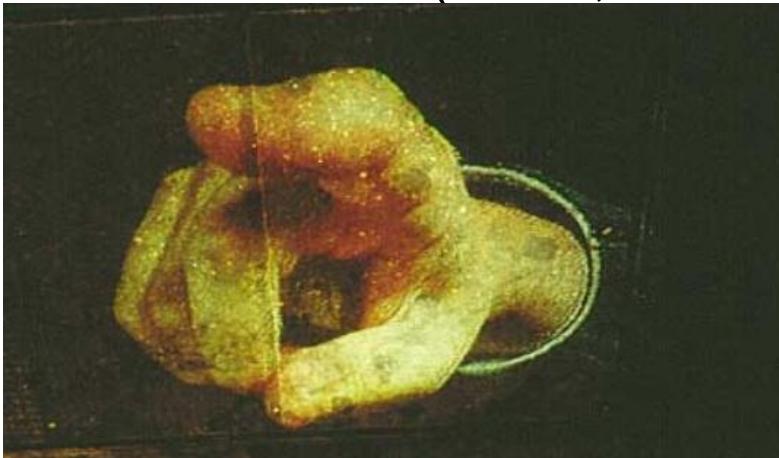
- Multimedia Installation/ Interactive
 - Robert Nideffer (1964, USA)



"Proxy" (1998)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Susan Collins (1964, Britain)



“Pedestrian Gestures” (1994)

“Audiozone” (1994)
77

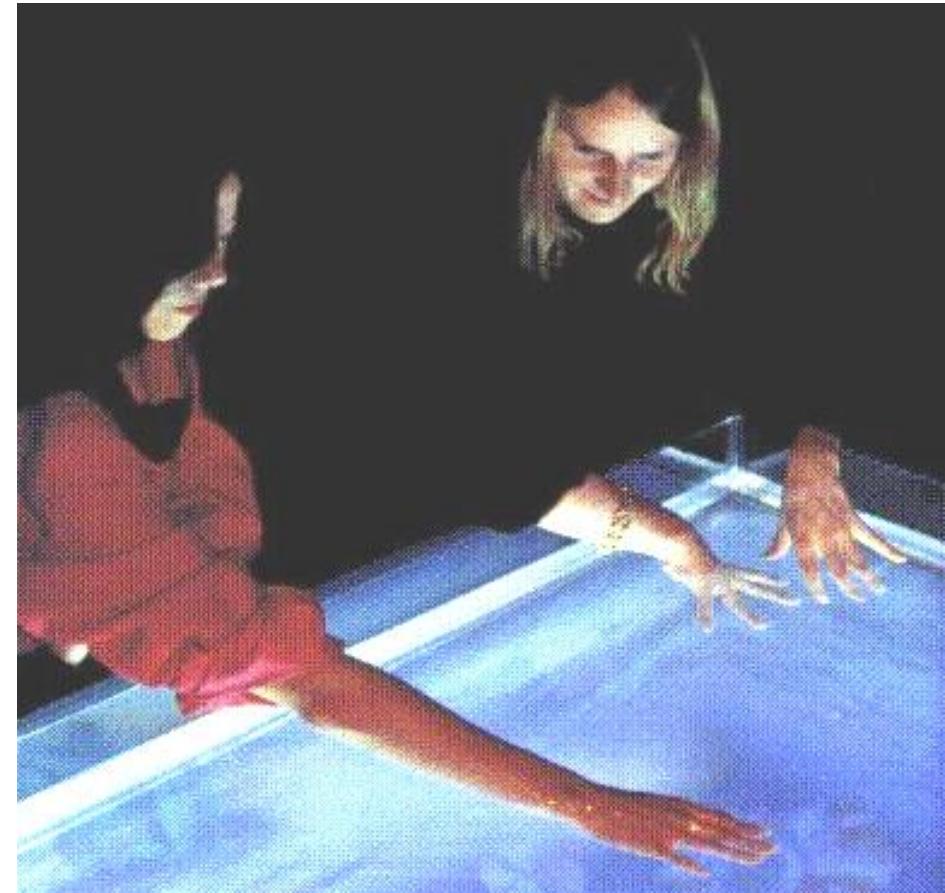
The Age of Globalization

- Multimedia Installation/ Interactive
 - Christa Sommerer (1964, Austria) & Laurent Mignonneau (1967, France): simulated evolution

“A-Volve” (1994)



“Interactive Plant Growing” (1992)



The Age of Globalization

- Multimedia Installation/ Interactive
 - Christa Sommerer (1964, Austria) & Laurent Mignonneau (1967, France)



“Mobile Feelings” (2002),
devices that allow users
feel each other’s heartbeat



“Living Room” (2001),
immersive environment

The Age of Globalization

- Multimedia Installation/ Interactive
 - Christa Sommerer (1964, Austria) & Laurent Mignonneau (1967, France)



“Phototropy” (1995),
simulated evolution



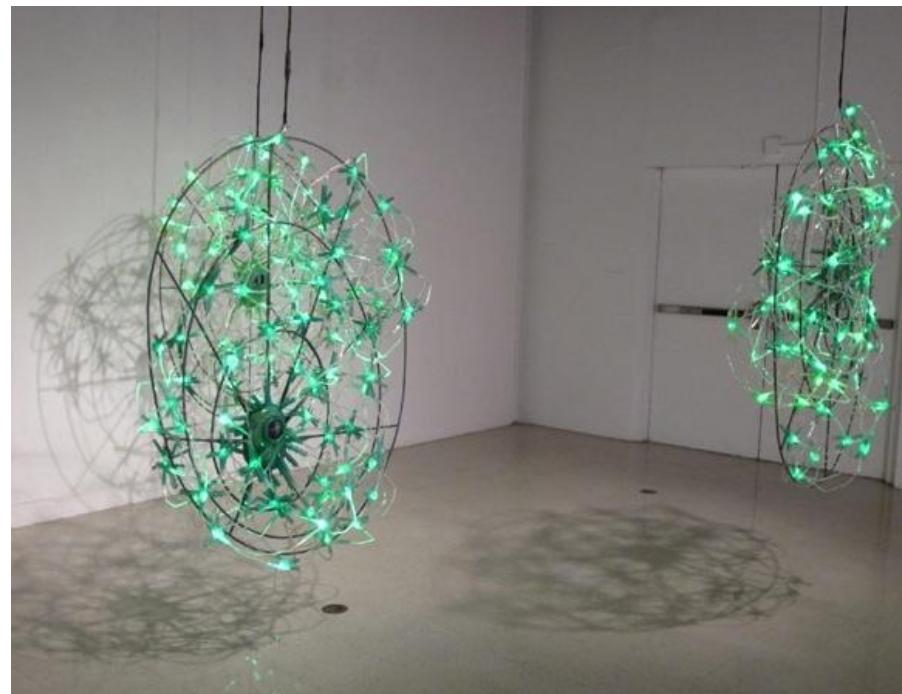
“Riding the Net” (2000),
immersive environment

The Age of Globalization

- Multimedia Installation
 - Deborah Aschheim (1964, USA)



“Earworm” (2008)



“June 10” (2007)

The Age of Globalization

- Multimedia Installation
 - Jane Prophet (1964, Britain)



"TechnoSphere" (1995), VR



The Age of Globalization

- Multimedia Installation/ Interactive
 - Agnes Hegedus (1964, Hungary)

“Hindsight” (1992)



The Age of Globalization

- Multimedia Installation/ Interactive
 - Agnes Hegedus (1964, Hungary)

Virtual world “Memory Theater” (1997)



The Age of Globalization

- Multimedia Installation/ Interactive
 - Ulrike Gabriel (1964, Germany)

"Terrain 01" (1993), simulated evolution



"Perceptual Arena" (1993), VR



The Age of Globalization

- Multimedia Installation/ Interactive
 - Stahl Stenslie (1965, Norway)



"Inter_skin" (1994), suit for tactile communication

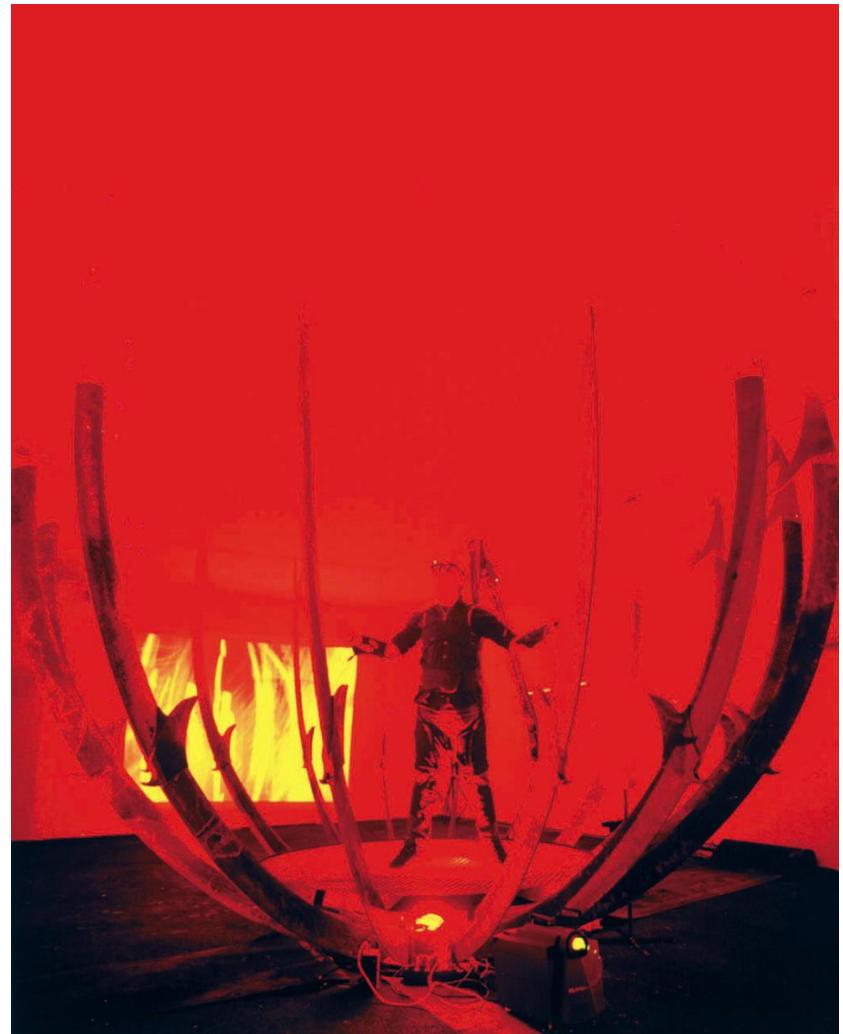


"CyberSM" (1993), real-time, visual, auditory, and tactile tele-haptic communication system

"Solve et Coagula (1997), cyborganism

The Age of Globalization

- Multimedia Installation/ Interactive
 - Stahl Stenslie (1965, Norway)



"Solve et Coagula (1997), cyborganism

The Age of Globalization

- Multimedia Installation/ Interactive
 - Kazuhiko Hachiya (1966, Japan)



“Inter Dis-communication Machine” (1993),
interconnected virtual reality

The Age of Globalization

- Multimedia Installation/ Interactive
 - Darij Kreuh (1966, Slovenia) and Davide Grassi (1970, Italy)



"Brainscore" (2000) for eye scans and brain scans

The Age of Globalization

- Multimedia Installation/ Interactive
 - Mark Tribe (1966, USA)



“Apparitions” (1994), VR

The Age of Globalization

- Multimedia Installation/ Interactive
 - Darij Kreuh (1966, Slovenia) and Davide Grassi (1970, Italy)



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"Brainscore" (2000) for eye scans and brain scans

The Age of Globalization

- Multimedia Installation/ Interactive
 - Feng Mengbo (1966, China): retro gaming



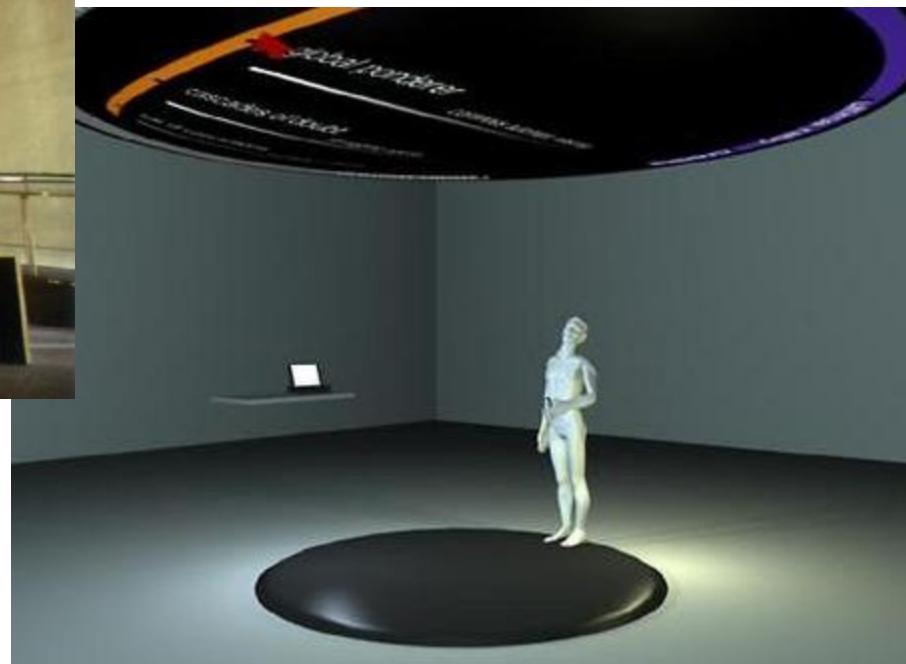
“Q4U” (2001)

“Long March: Restart” (2008)



The Age of Globalization

- Multimedia Installation/ Interactive
 - Daniela Alina Plewe (1966, Germany)



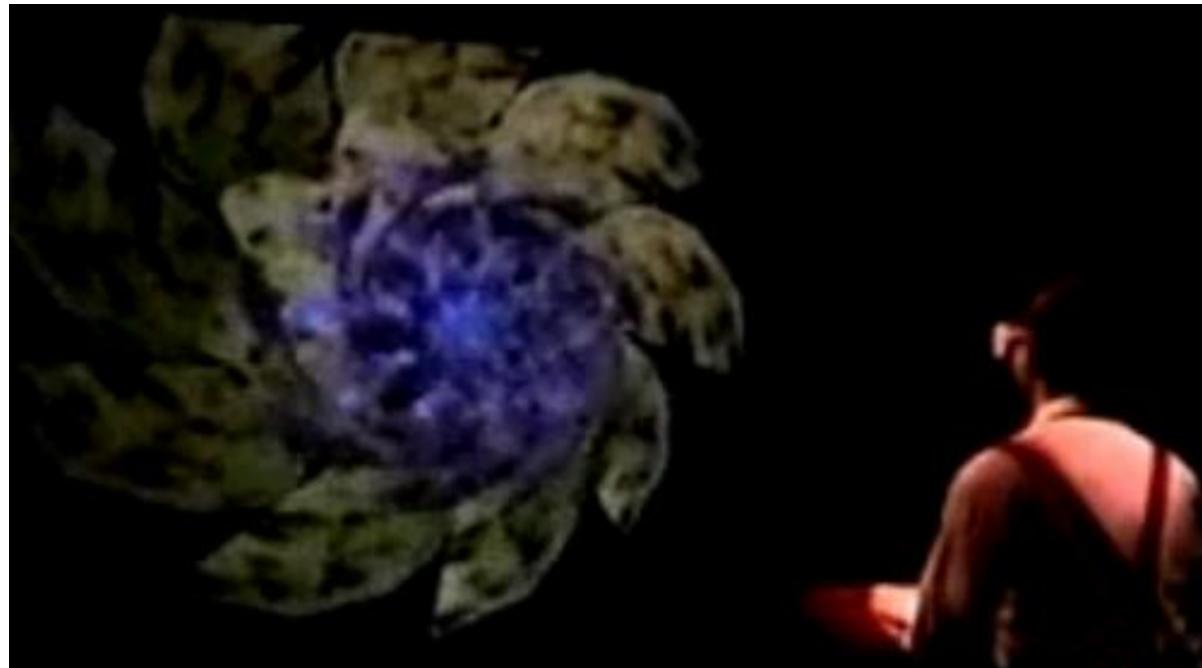
“Ultima Ratio” (1998)

The Age of Globalization

- Multimedia installations/ Interactive
 - Bernd Lintermann (1967, Germany): simulated evolution



"Morphogenesis" (1997)



"Sonomorphis" (1998)

The Age of Globalization

- Multimedia installations
 - Olafur Eliasson (1967, Denmark)



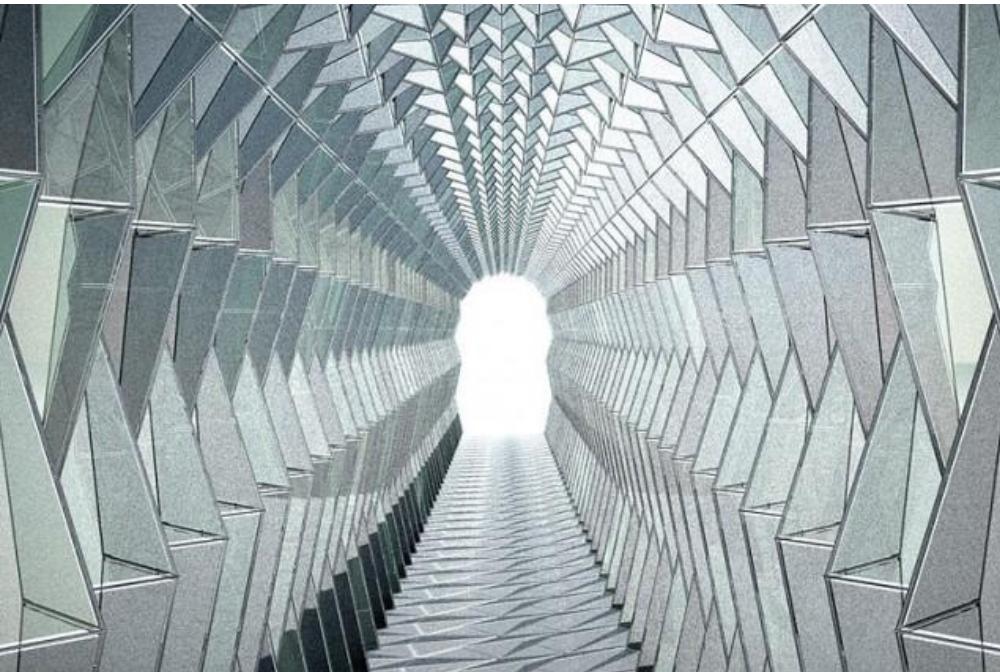
“Your Strange Certainty
Still Kept” (1996)



“The Forked Forest Path” (1998)

The Age of Globalization

- Multimedia installation
 - Olafur Eliasson (1967, Denmark)



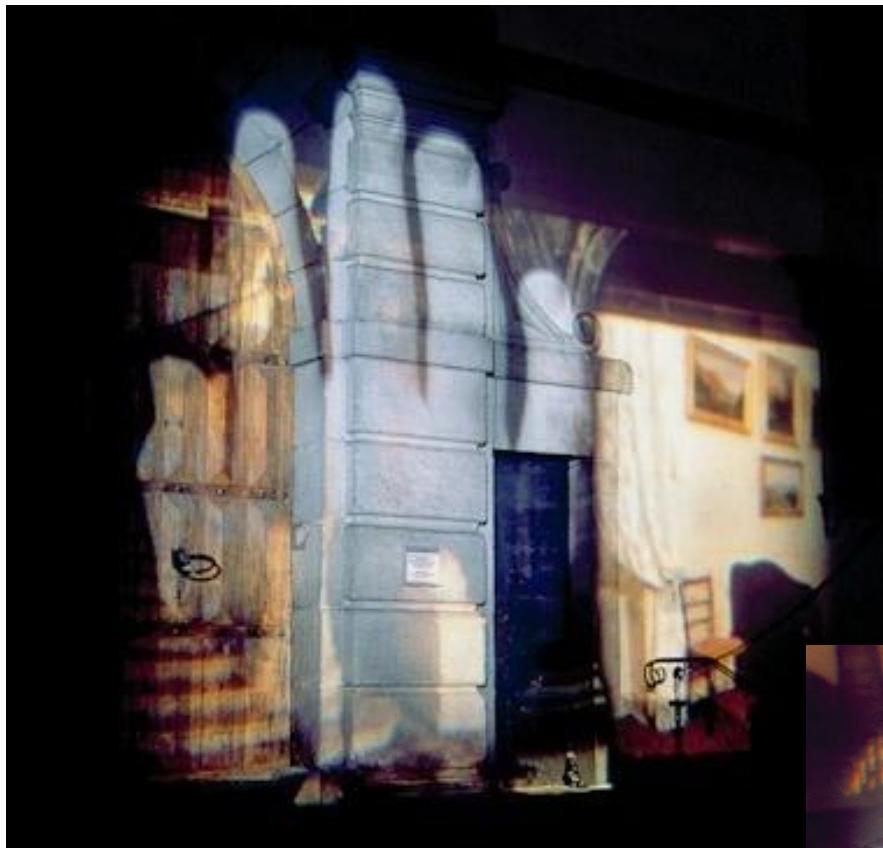
“One-way colour tunnel” (2007)

“Your Mobile Expectations” (2007)

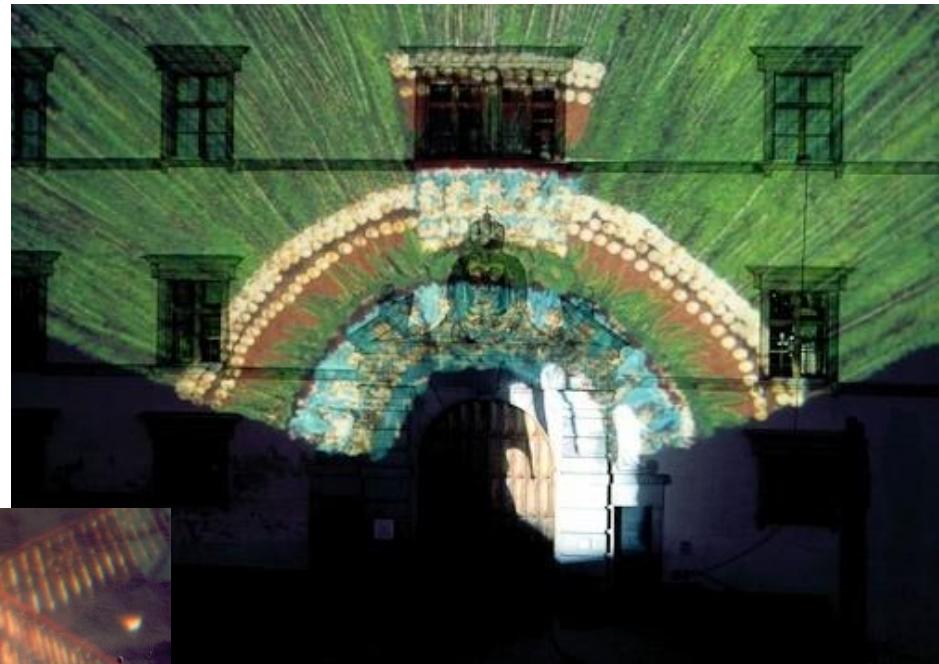


The Age of Globalization

- Multimedia Installation
 - Rafael Lozano-Hemmer (1967, Canada)



“Displaced Emperors
Relational Architecture 2” (1997)



The Age of Globalization

- Multimedia Installation
 - Rafael Lozano-Hemmer (1967, Canada)



Applet

Status: Live will finish in 7:57 Messages in queue: 0 Total messages to date: 51 Total hits: 7917 Time in Japan: 21/03 22:03

Look Go Fall Front Catch tool

Please enter a message (64 characters maximum)
Hi Jackie, I am thinking about you now...

From: Name: Chong Location: Yamaguchi Email: chong@amodal.net

Send this message to: Name: Jackie Location: Tokyo Email: (optional)

Notify me by email when the message is caught

Preview Send

NOTE: all messages sent through this system are public and may be intercepted and read by anybody who visits this site. However, all email addresses will be kept strictly confidential and are only used for system notification.

“Amodal Suspension, Relational Architecture 8” (2003)

The Age of Globalization

- Immersive
 - Mariko Mori (1967, Japan)



"White Hole" (2010)

"The Beginning of
the End" (2000)

The Age of Globalization

- Multimedia Installation
 - Jennifer McCoy (1968) and Kevin McCoy (1967)



“Every Shot Every Episode”
(2001), a database of 10000 shots
from episodes of a tv soap opera

“201 - a space algorithm” (2001)
allows the viewer/user to re-edit
Kubrick’ “2001 Space Odyssey”

The Age of Globalization

- Multimedia Installation
 - Robert Henke (1969, Germany)



"Fragile Territories" (2012)



"Lumiere" (2013)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Scott Snibbe (1969, USA)

"Deep Walls" (2002)



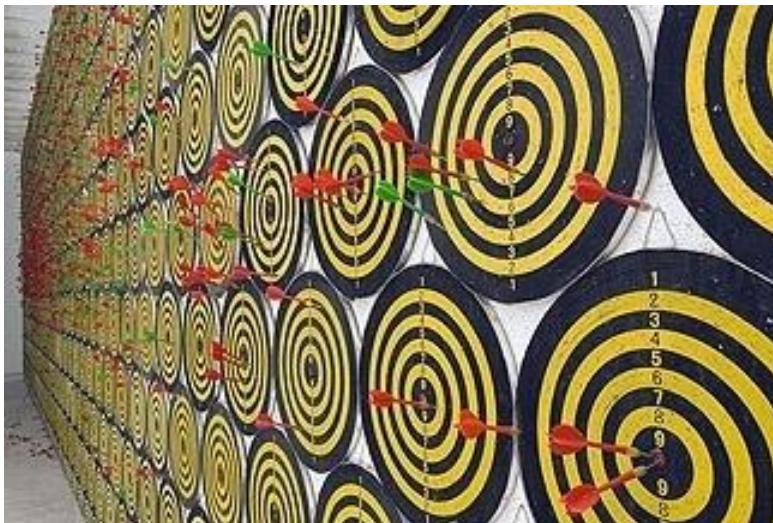
"Boundary Functions" (1998)

The Age of Globalization

- Multimedia Installation
 - Jacob Dahlgren (1970, Sweden)



“The Wonderful World o
Abstraction” (2006)



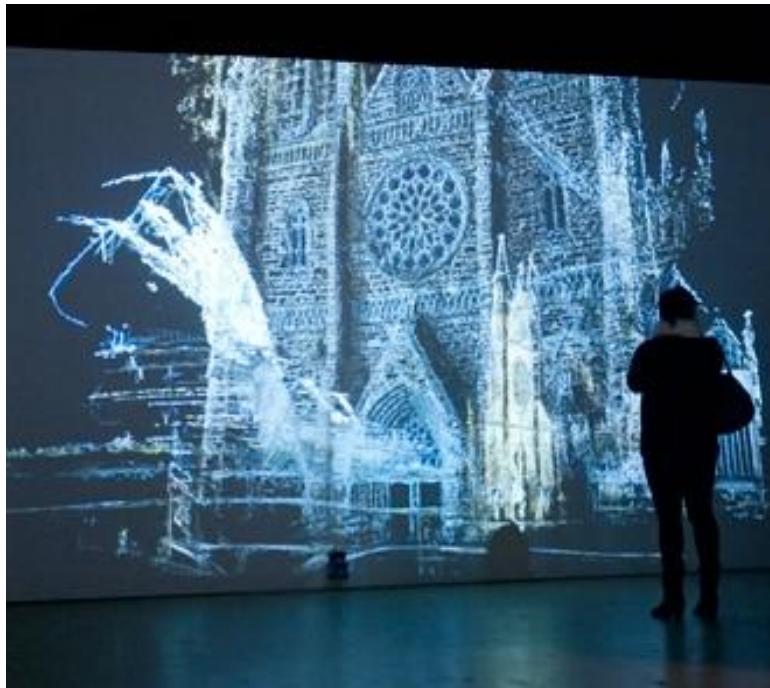
“I, the world, things, life”

“Sydney 2006 for coffee
mugs and aluminium” (2008)

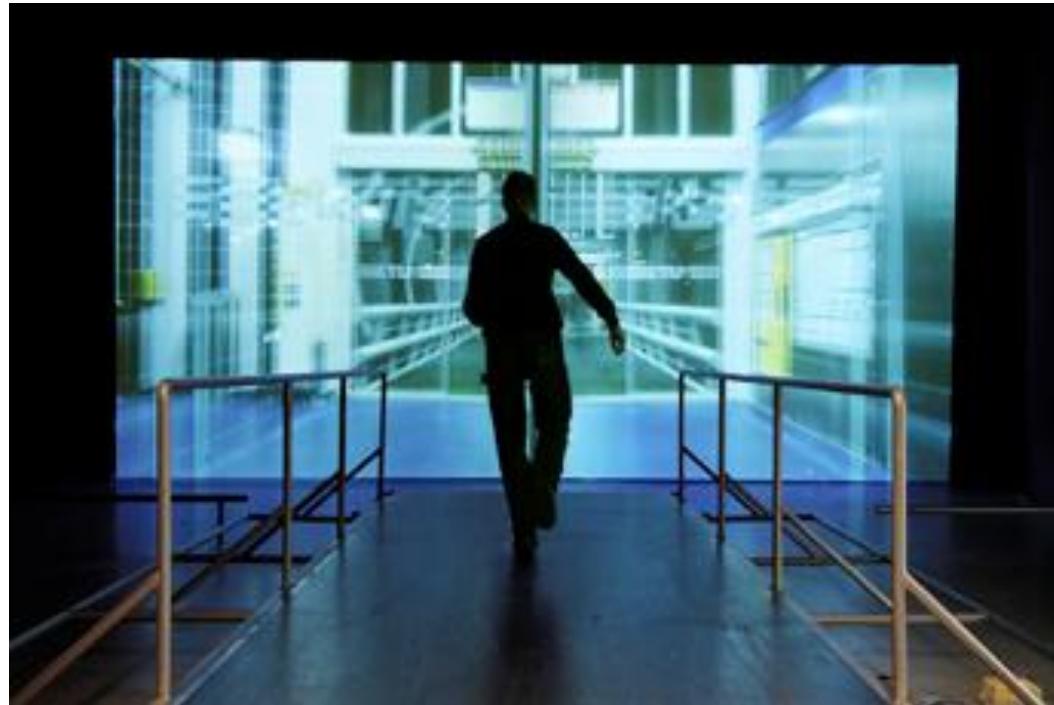


The Age of Globalization

- Multimedia Installation/ Interactive
 - Marnix de Nijs (1970, Netherlands)



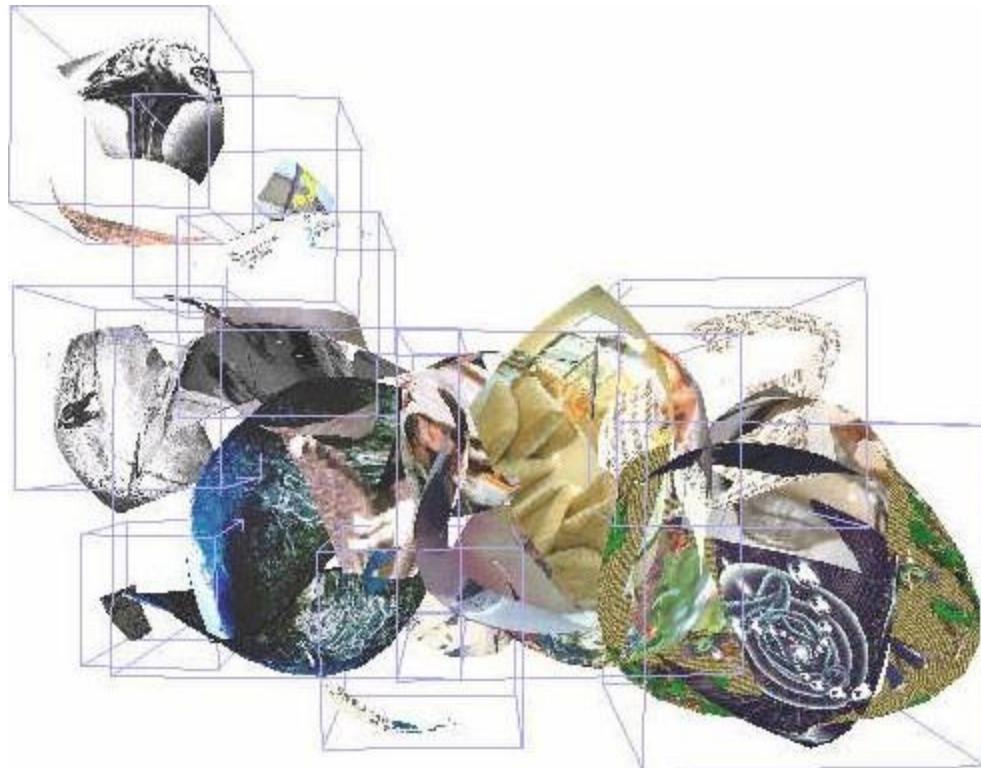
“Exploded Views 2.0” (2002)



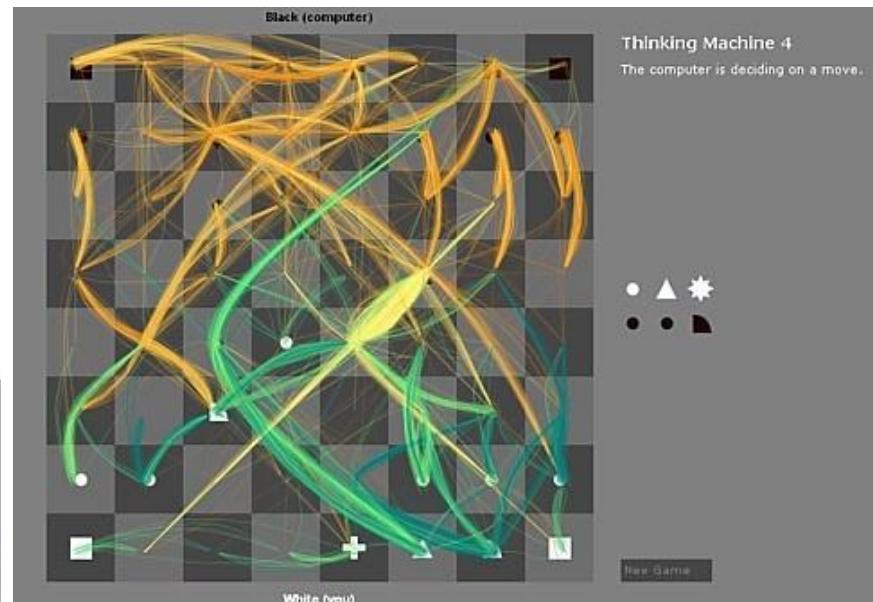
“Run Motherfucker Run” (2005)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Martin Wattenberg (1970, USA) & Marek Walczak



"Apartment" (2000): a memory theater



"Thinking Machine" (2003):
the singularity

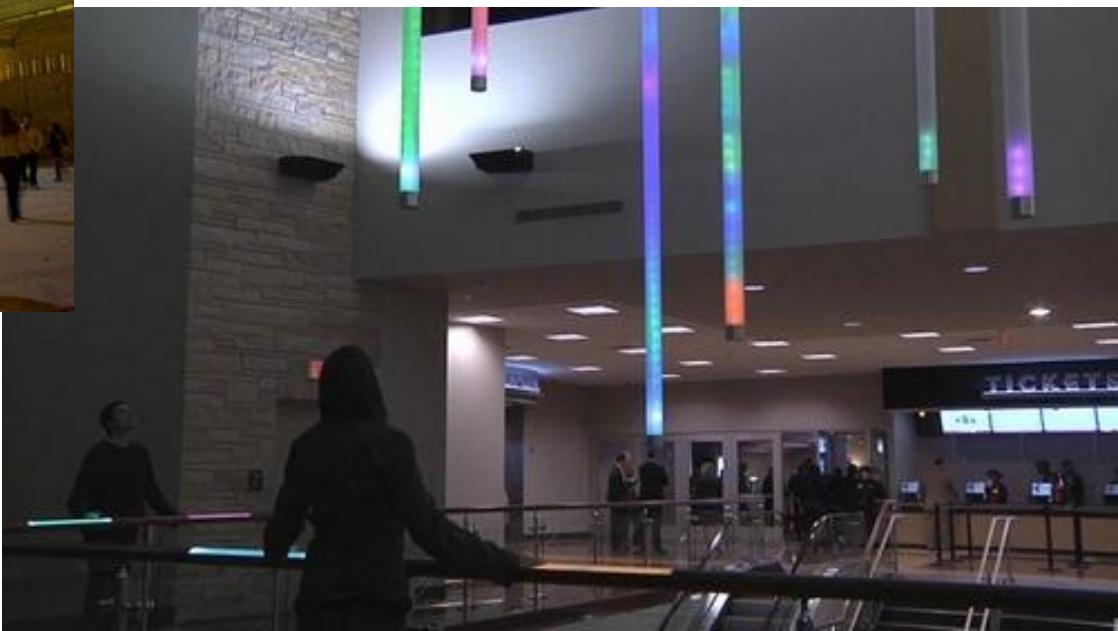
The Age of Globalization

- Multimedia Installation/ Interactive
 - Camille Utterback (1970, USA)

“Text Rain” (1999)



“Abundance” (2007)



“Aurora Organ” (2009)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Marnix de Nijs (1970, Holland)



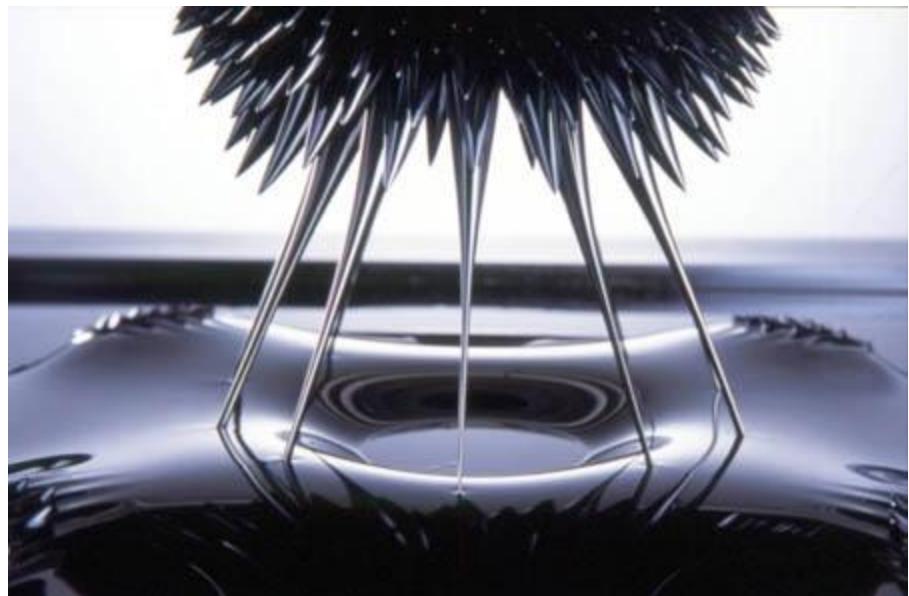
"Physiognomic Scrutinizer" (2008)
for face-recognition software

The Age of Globalization

- Multimedia Installation/ Interactive
 - Sachiko Kodama (1970, Japan)

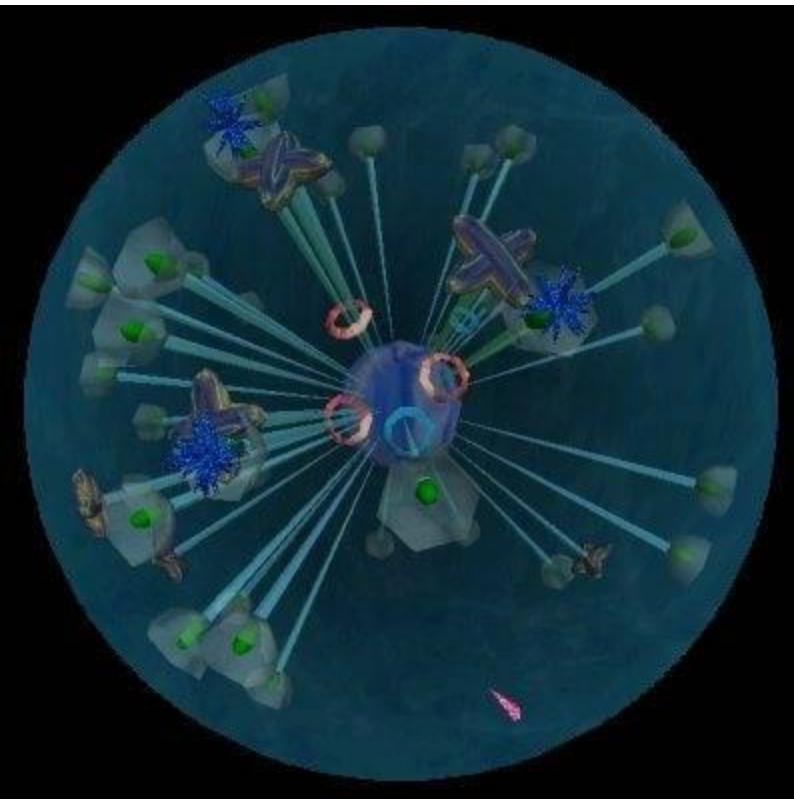


“Protrude, Flow” (2000)

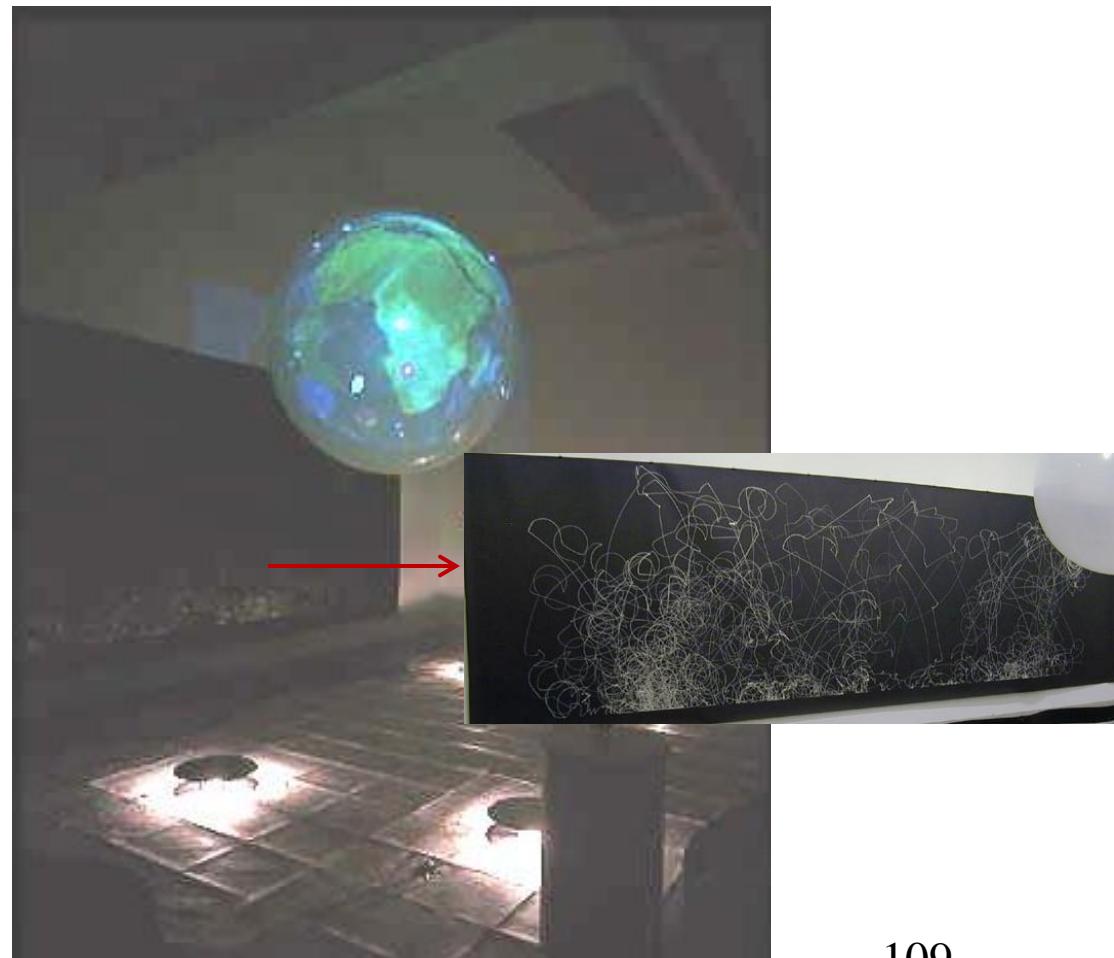


The Age of Globalization

- Multimedia Installation/ Interactive
 - John Klima (1971, USA): virtual reality



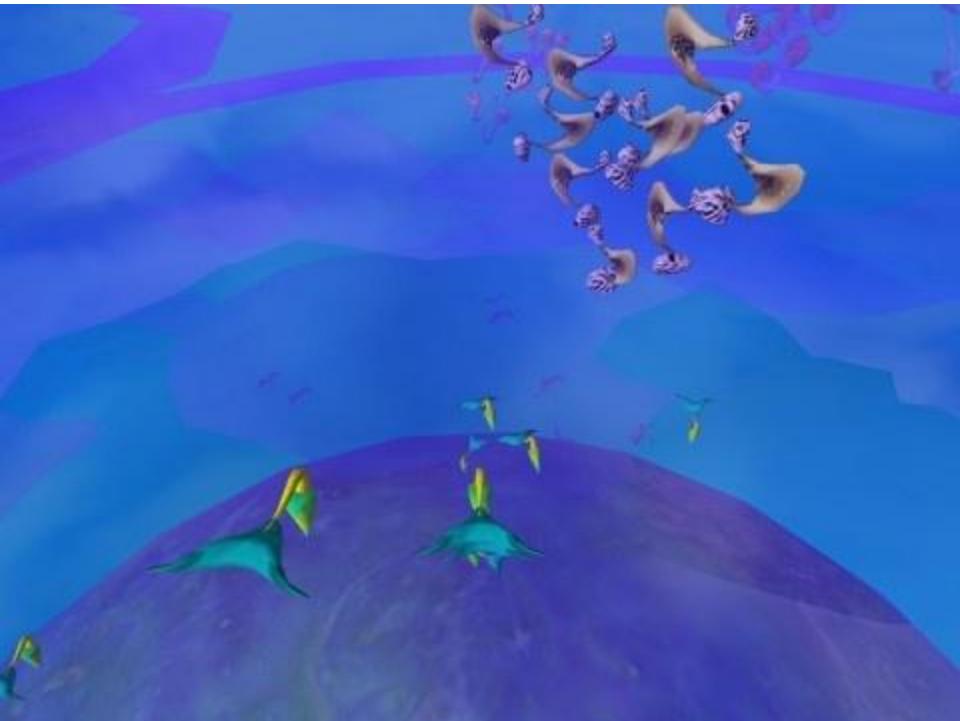
“Glasbead” (2000)



“Go” (2000)

The Age of Globalization

- Multimedia Installation/ Interactive
 - John Klima (1971, USA): virtual reality



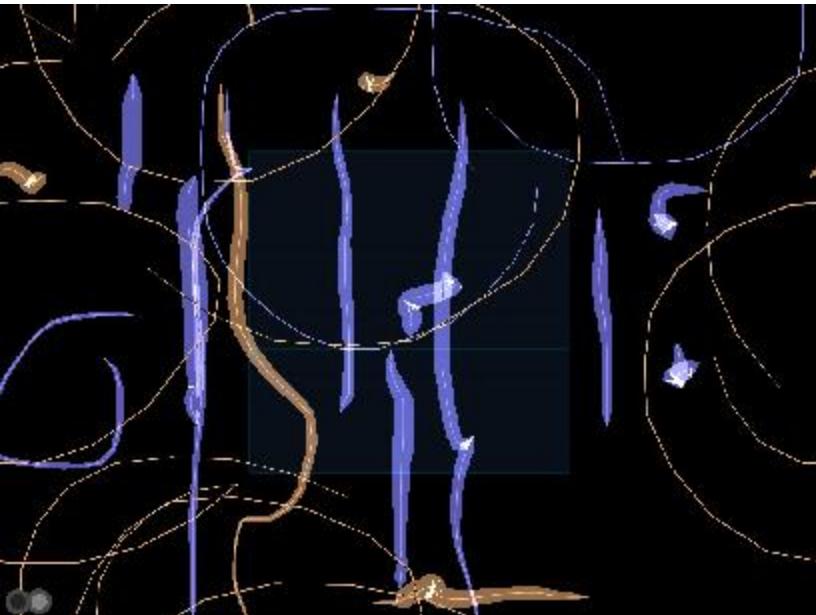
"Ecosystem" (2000), data visualization

“The Great Game” (2001)



The Age of Globalization

- Multimedia Installation/ Interactive
 - Golan Levin (1972, USA)



"Yellowtail" (1998)

“Dialtones - A Telesymphony.” (2001)
for the audience’s mobile phones



The Age of Globalization

- Multimedia Installation/ Interactive
 - Julian Oliver (1973, New Zealand)
 - "Newstweek" (2011), reality distorting device



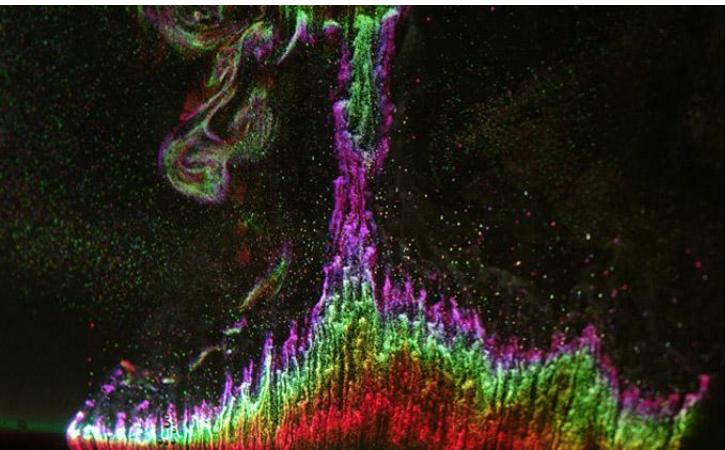
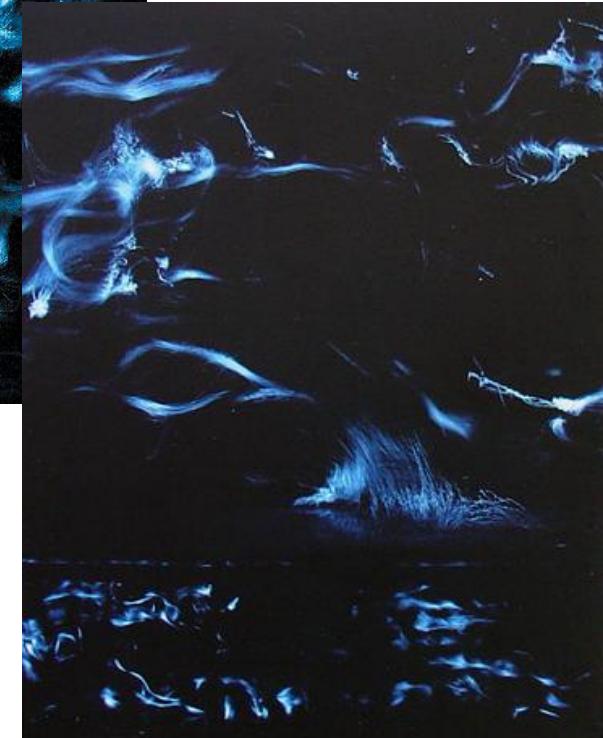
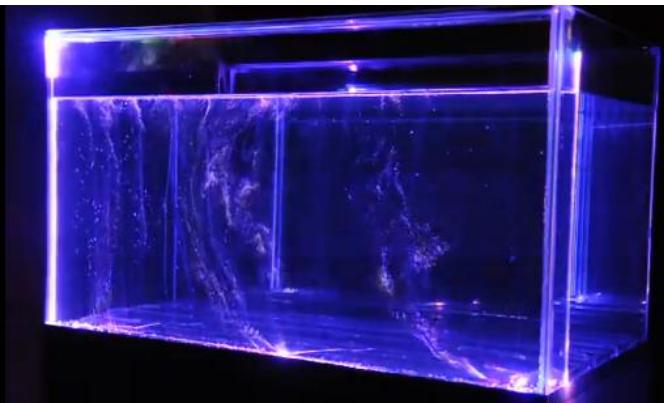
"LevelHead" (2008), gaming



The Age of Globalization

- Immersive/interactive
 - Dmitry Gelfand (1974, Russia) and Evelina Domnitch (1972, Belarus): ephemeral art-science

"Camera Lucida" (2005)



"Hydrogeny" (2011)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Chris Milk (1975, USA)



"The Treachery of Sanctuary" (2012)

The Age of Globalization

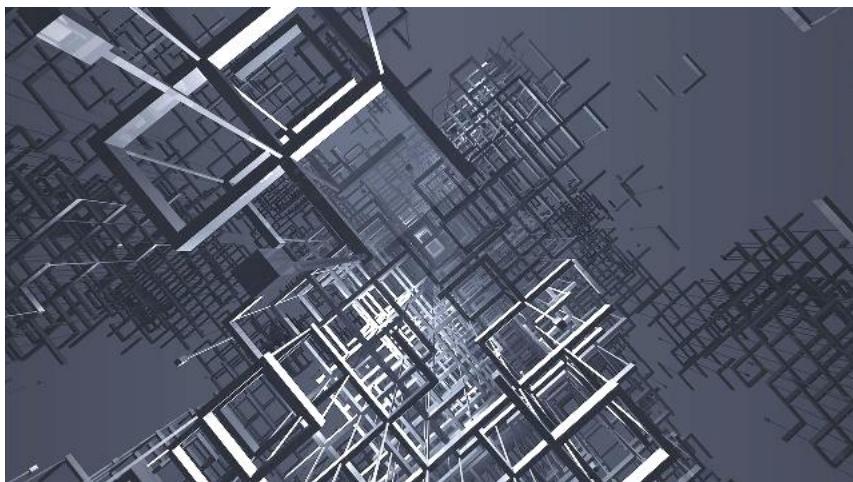
- Multimedia Installation/ Interactive
 - Hisako Yamakawa (1977, Japan)



"Kodama" (2005): by monitoring the audience, the forest appears to "collect" their voices by converting sound waves into images reminiscent of large air bubbles

The Age of Globalization

- Multimedia Installation/ Interactive
 - Onformative - Julia Laub (1980, Germany) and Cedric Kiefer



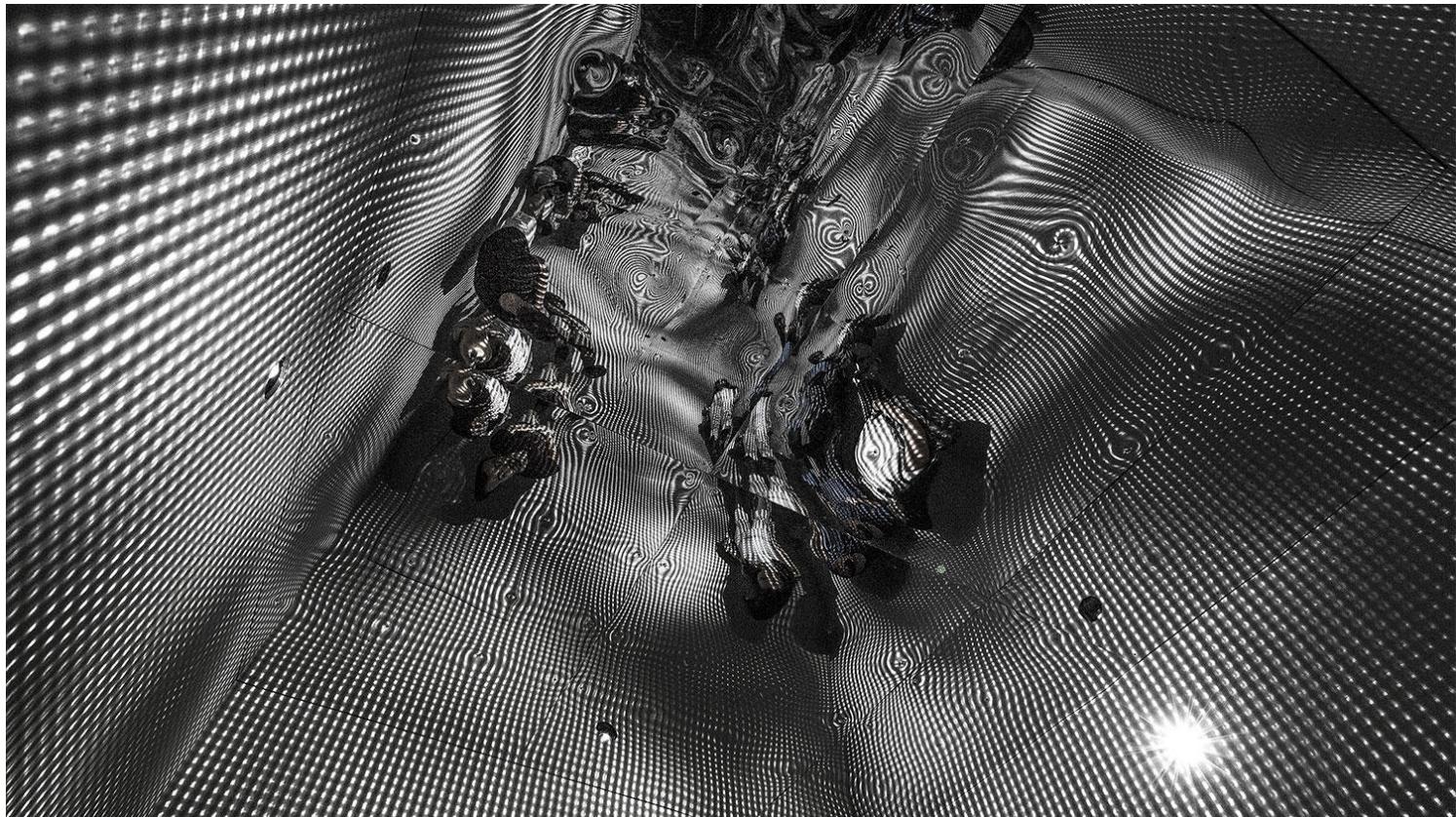
"MakeOurMark" (2013), user-generated data sculpture



"Anima Iki" (2015), light and sound sculpture that changes as it reacts to the viewers

The Age of Globalization

- Immersive/interactive
 - Refik Anadol (1985, Turkey)



"Infinity Room" (2015)

The Age of Globalization

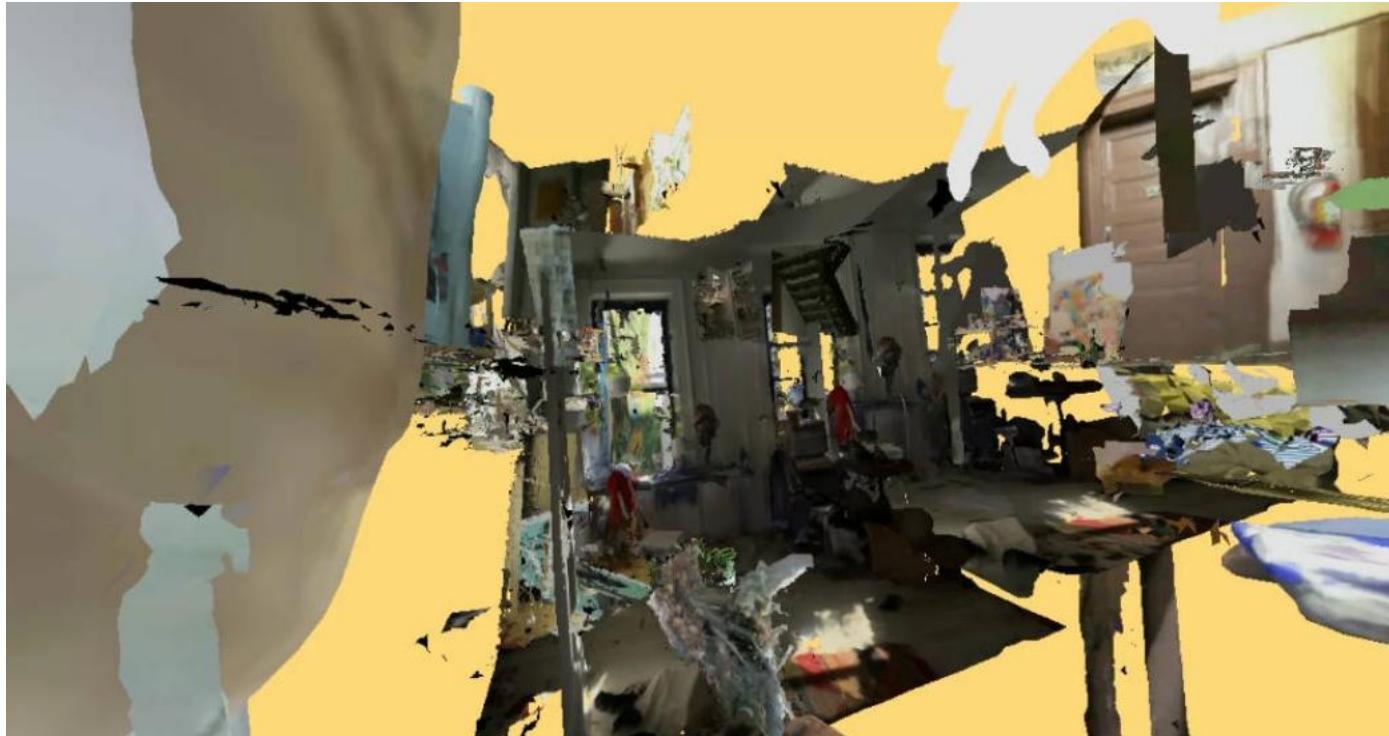
- Immersive/interactive
 - Hayoun Kwon (1981, South Korea)



"The Bird Lady" (2017), VR

The Age of Globalization

- Immersive/interactive
 - Rachel Rossin (1987, USA)



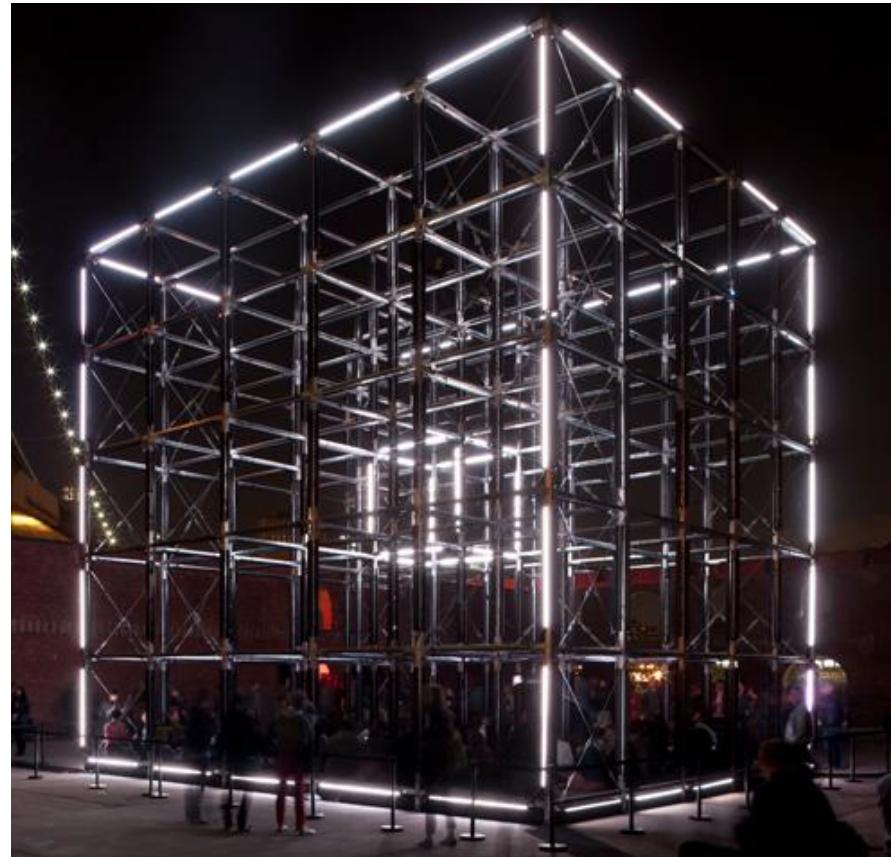
"I Came and Went as a Ghost Hand" (2015), VR

The Age of Globalization

- Multimedia Installation
 - Ben Goldman's United Visual Arts (founded 2003): LED matrix installations



“Speed of Light” (2010)

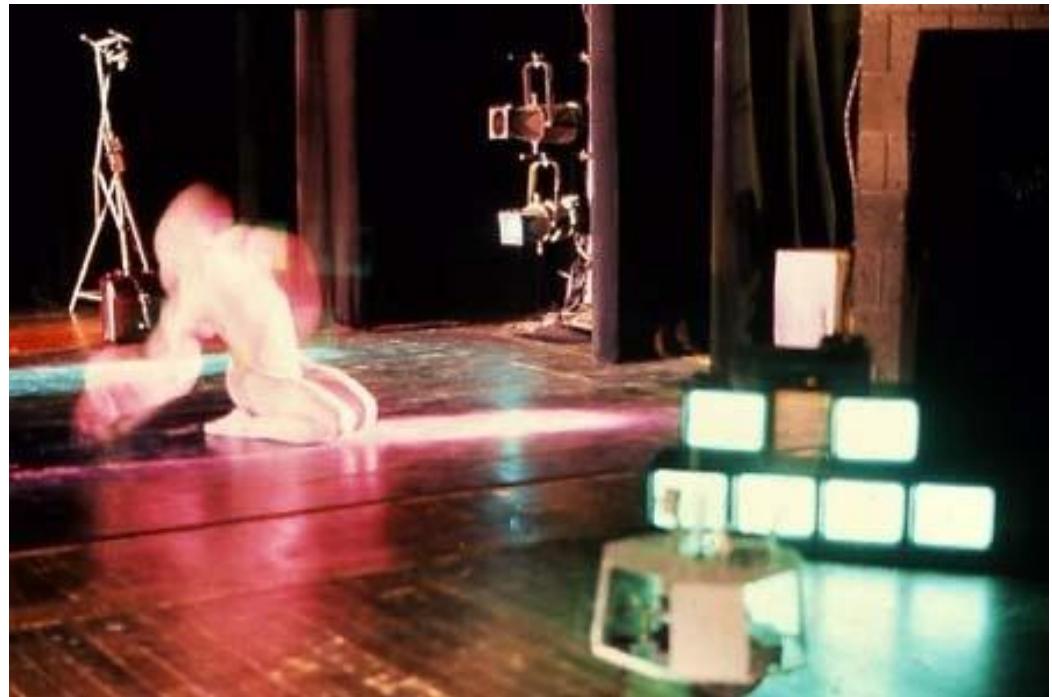


“Origin” (2011)

The Age of Globalization

- Multimedia Installation/ Telerobotics
 - Adrienne Wortzel (1941)

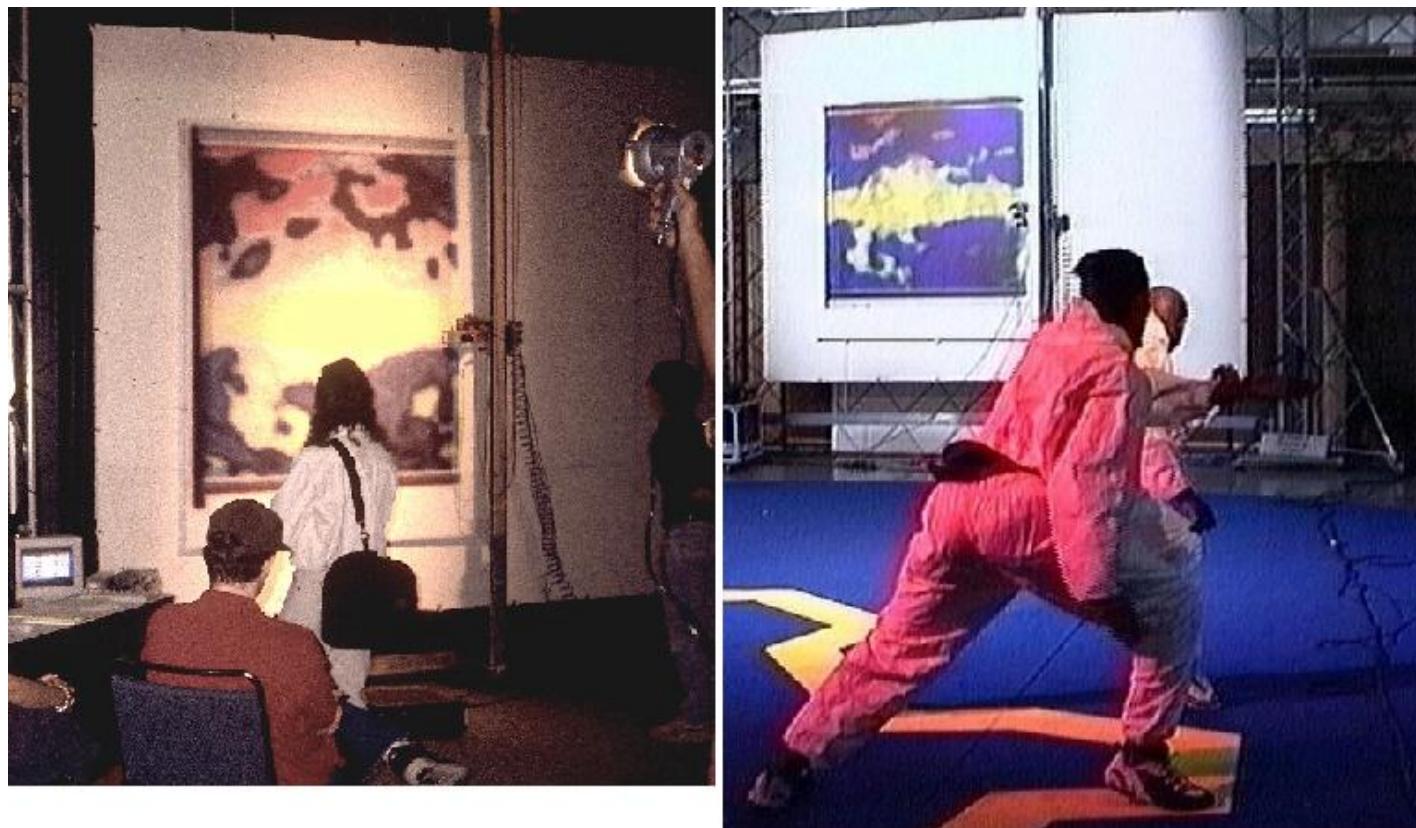
“Camouflage Town” (2001)



“Sayonara Diorama” (1998), theater
for humans and robots

The Age of Globalization

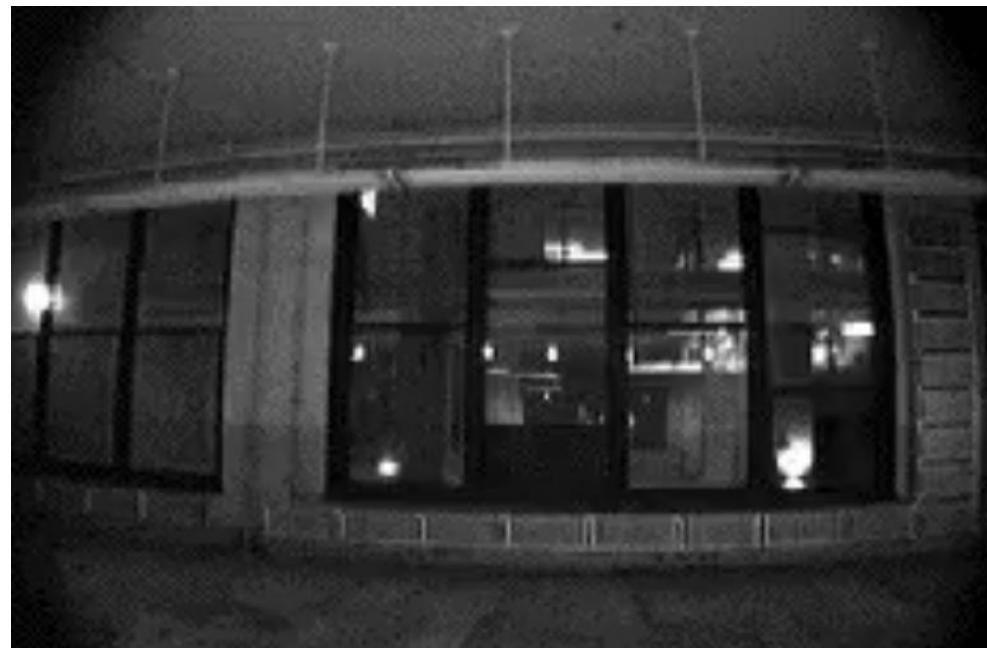
- Multimedia Installation/ Telerobotics
 - Jean-Paul Longavesne (1945, France)



"Longaves" (1995), live performance at Siggraph of a networking painting machine receiving data from a satellite about the cosmic background radiation

The Age of Globalization

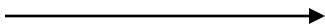
- Multimedia Installation/ Telerobotics
 - Joel Slayton (1954, USA)



"Telepresent Surveillance" (1996)

The Age of Globalization

- Multimedia Installation/ Interactive
 - Eduardo Kac (1962, Brazil): telerobotics



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“Rara Avis” (1996), telerobotics and telecasting

The Age of Globalization

- Multimedia Installation/ Telerobotics
 - Ken Goldberg (1961, USA)
 - Shawn Brixey (1961, USA) & Richard Rinehart



“Telegarden” (1995)



"Chimera Obscura" (2002)

The Age of Globalization

- Multimedia Installation/ Telerobotics
 - Eric Paulos (1969) and John Canny (1959)



“PRoPO” (1997)

This is a chapter in piero scaruffi's "A Visual History of the Visual Arts": <http://www.scaruffi.com/art/history>