

Physical Computing & Art

Fredrik Bridell 2008

Four examples

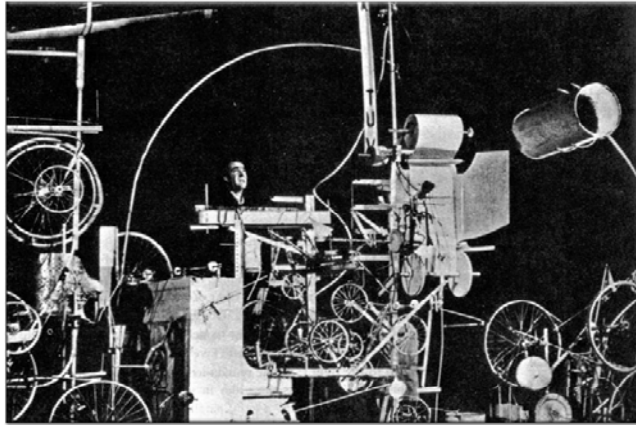


Graffiti Research Lab:
Led Throwies

[video](#)

DIY – “open-source”
street art



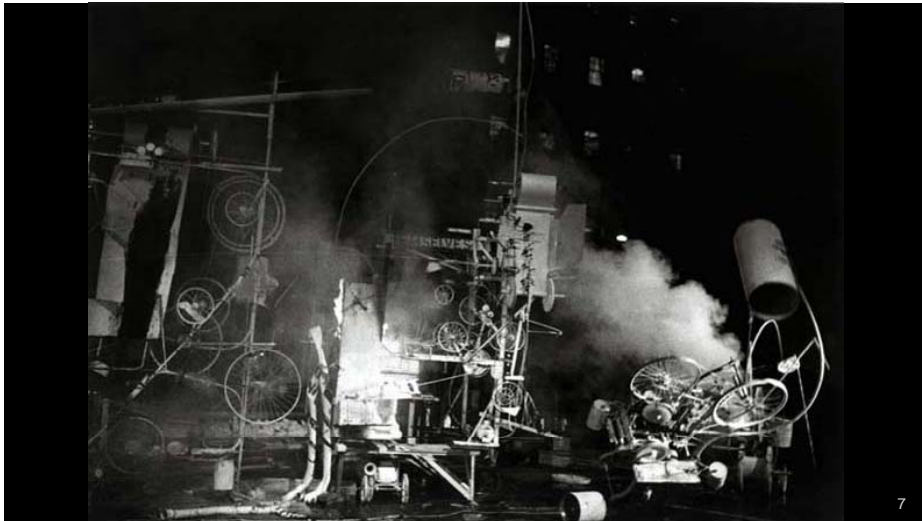


Jean Tinguely:
Hommage à New
York (1960)

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I asked Jean what I could do for him. Jean explained that he wanted to make a machine that destroyed itself and that he needed bicycle wheels. ---

...we built a timer that could close eight electrical circuits every three minutes or so during a 27 minute period...

Jean insisted that we shouldn't test anything. Instead he kept adding new stuff to the machine. Not until 6 o'clock did I get a cable for the electricity. The event was scheduled from 6:30 to 7:00. At 6:30, I asked Jean "On va?" Jean answered, "On va." and I closed the switch.

It was all over in 27 minutes. The audience applauded and descended on the wreckage for souvenirs.

Billy Klüwer

(from *Multimedia:
from Wagner to
Virtual Reality*)

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Chaos Computer
Club:
Blinkenlights (2001)

[video](#)

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Ben Rubin:
Listening Post (2003)

[video](#)

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Interactive Art

Interactive Art

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Interactivity
(Michael Valeur)

- "Everything is interactive"
 - Reader response – it's all in your head
 - Marcel Duchamp: "The viewer completes the work of art"
 - there's nothing special about interactive art – everything is interactive!
- "Nothing is interactive"
 - If it's been (pre-)programmed it is not more interactive than a book
 - there's no genuine creative deus ex machina at work
 - Hypertext etc is actually more restricted than a book (codex): you can't browse freely

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Interactivity
(Chris Crawford)

For a definition to be meaningful (I claim) it needs to include some things and exclude some other things

- "Some things are interactive"
 - Interactivity is two or more agents who take turn listening, thinking and talking

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Interactive *Art*

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Leonardo da Vinci:
La Gioconda (Mona
Lisa)
(ca 1503-1507)

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Marcel Duchamp:
Fountain (1917)

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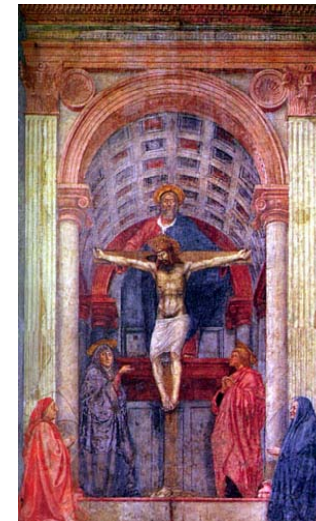
Venus from
Willendorf
20 000 BC

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Youth from
Anticythera
300 BC

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Masaccio
1400-tal
perspective

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Vermeer
Girl with a pearl
earring

c 1665-1675

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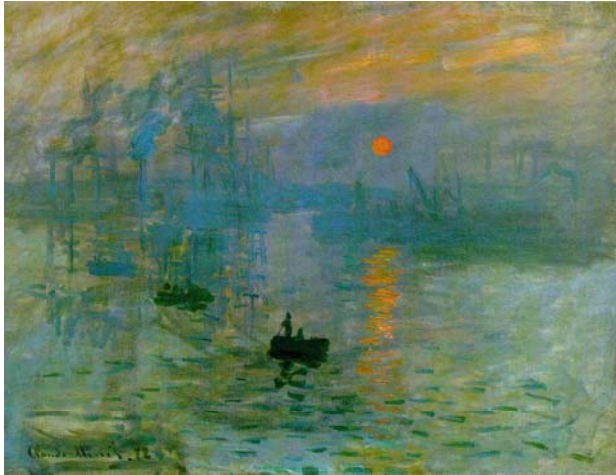
Édouard Manet:
Un bar aux Folies-
Bergère (1882)

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Edgar Degas
L'Etoile, 1876-77
(cropped)

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Claude Monet
Impression, sunrise
(*Impression, Soleil
Levant*, 1872)

Impressionism

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Edward Munch
The Scream (*Skrik*)
1893

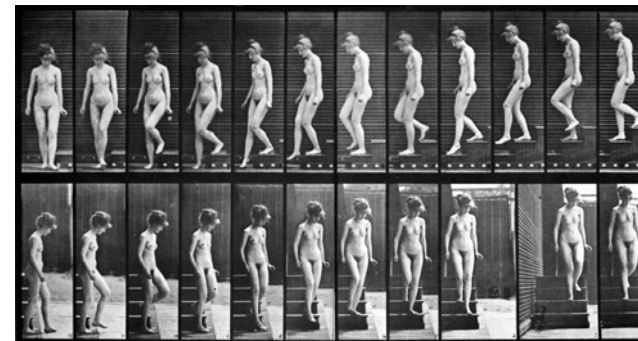
Expressionism

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Marcel Duchamp
Nu Descendant un
Escalier, No 2
(1912)

27



Edward Muybridge
Descending stairs
and turning around
(1884-85)

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Marcel Duchamp:
Fountain (1917)



Rene Magritte
La Trahison Des
Images (1928-29)



Joseph Kosuth:
One and Three
Chairs (1965)



Joseph Kosuth:
One and Three
Chairs (1965)

conceptual art



Jackson Pollock
No 1, 1950 (Lavender
Mist)

abstract
expressionism

Trail of performance

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Mieko Shiomi
Mirror
1963

Fluxus event scores

The art appears when
the piece is
performed

Stand on a sandy beach with your
back to the sea. Hold a mirror in front
of your face and look into it. Step
back to the sea and enter into the
water.

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