

Future is now: The Era of Digital Reality

Estonian Academy of Arts Faculty of Architecture 2019



Part 1: The Power of Seeing

Part 2: The Third Industrial Revolution Part 3: The Power of Screen Part 4: The Power of Drawing

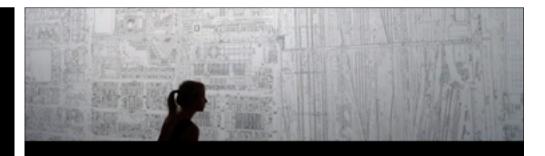
Part 5: Image and Design Horizon

Lectures in Future Studies are designed as a speculative set of lectures, dealing with the current events of politics, culture and economy.

1. We are witnessing the change of a major paradigm within Western World and it is still unclear what this new paradigm is about

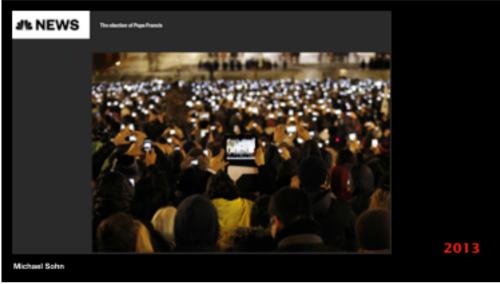
and

2. From the first decade of 2000 several noticeable phenomena emerged that were indicating the loosening and possible collapse of the existing paradigm - I have called these phenomena in the lack of better wording: imagospheric condition of present culture.

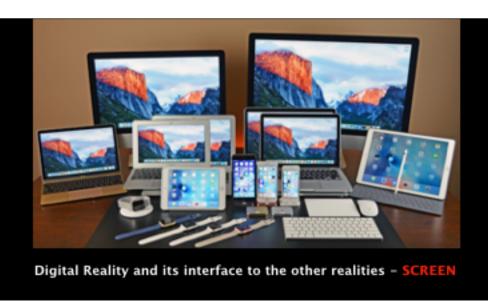


Part 1: The Power of Seeing

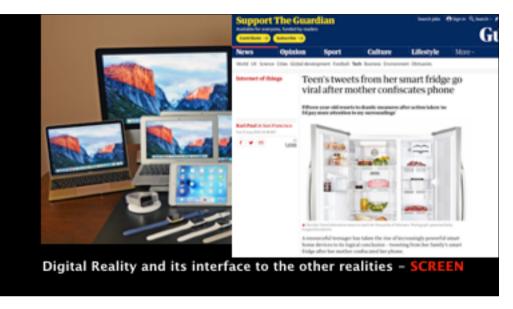
























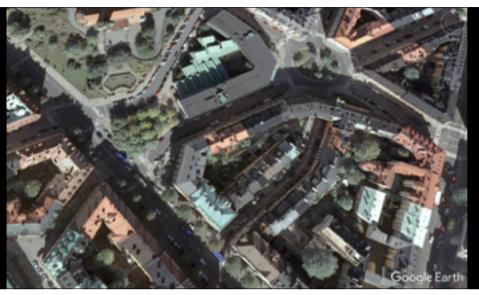












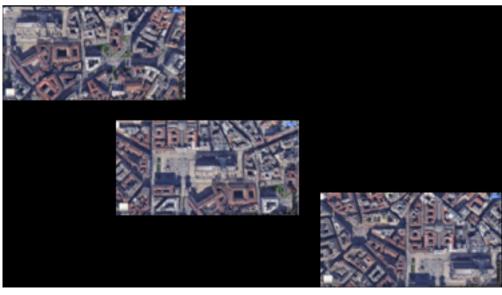




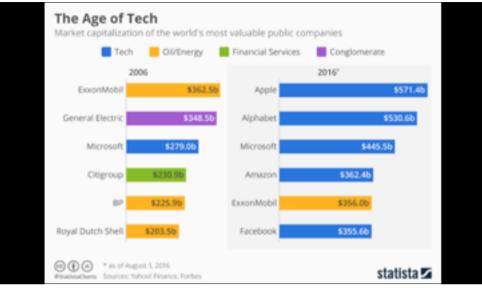


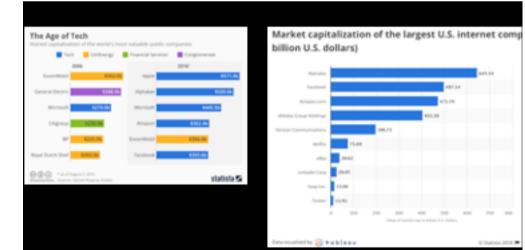


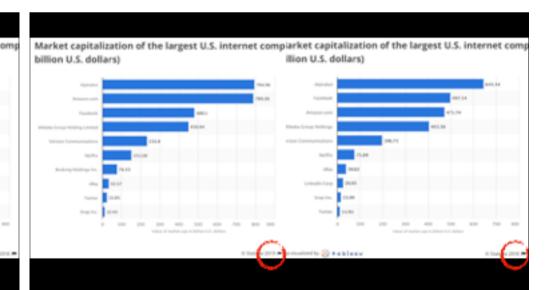


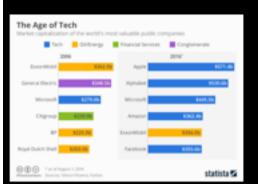


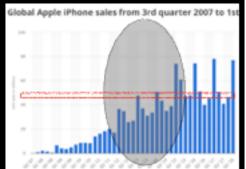


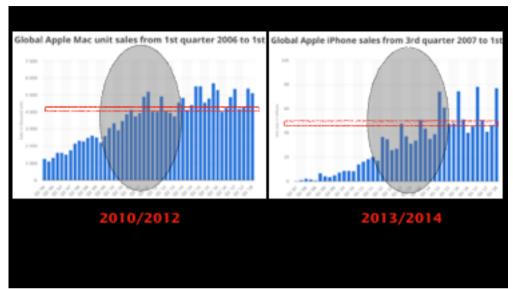












IMAGOSPHERE

Imago/Imagines -

Representations of ancestors. In the case of Romans, portraits molded from wax as death masks. An actor carried such a portrait at the funerals of higher officials. Representations of ancestors were also carried in the funeral processions of deceased relatives.

lmaao

Figure, image, picture, representation, portrait, bust/.../ imagine majorum wax figures or masks of ancestors/.../phantom, figure from dreams, vision, apparition, semblance/.../

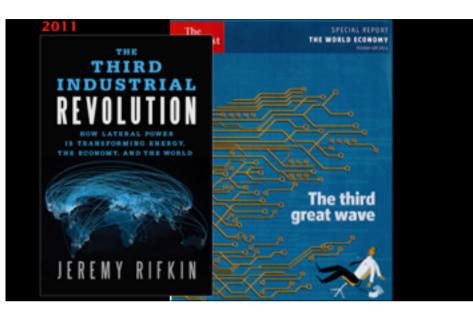
PIE: similarity, resemblance Sanskrit: pair, twin

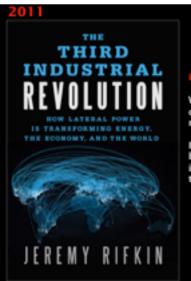
The words imagino, imaginatum, imaginare also derive from this - to depict, to express, to reproduce.



Part 2: The Third Industrial Revolution







How did you come up with this idea?

When energy revolutions occur, however, they require communication revolutions that are agile enough to manage them.

If you look at the 19th century, print technology became very cheap when we introduced steam power into printing. That decreased the cost and increased the speed, efficiency and availability of print material.



Daniel Bell

The Coming of Post-Industrial Society: A Venture in Social Forecasting

1973



Neuraled Angel, 1905, Huge Siroleng

Daniel Bell

The Coming of Post-Industrial Society: A Venture in Social Forecasting

1973

Daniel Bel

The World and the United States in 2013.

Daedalus. Vol. 116, No. 3, Futures (Summer, 1987), pp. 1-31 1987 Bell was quite sure that the Third Technological Revolution is on its way and predicted that quite accurately:

"By 2013 the third technological revolution - the joining of computers and telecommunications (image television, voice telephone, data information computers, text facsimile) into a single yet differentiated system, that of the "wired nation" and even the "world society" - will have matured" (Bell 1987, 10-11).

He then proceeded to name the first technological revolutions. The first was based two hundred years ago as application of:

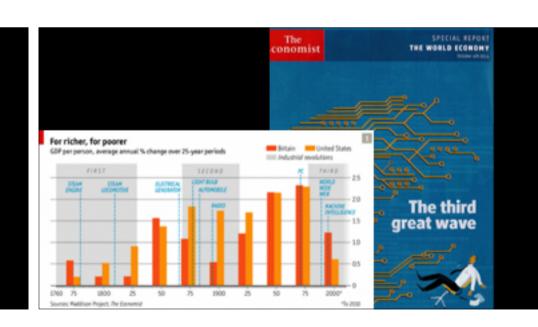
- steam power to transportation,
- deep-shaft mining (steam driven pumps) and
- factory production.

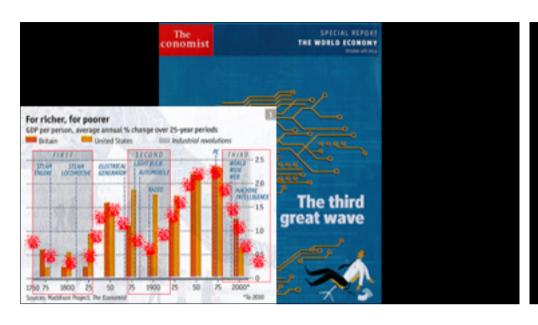
The second was based one hundred years ago on:

- the spread of the electricity (telegraph, telephone, lighting and electrical machinery) and
- synthetic chemistry (petrochemicals and plastics).

The third technological revolution Bell described as following:

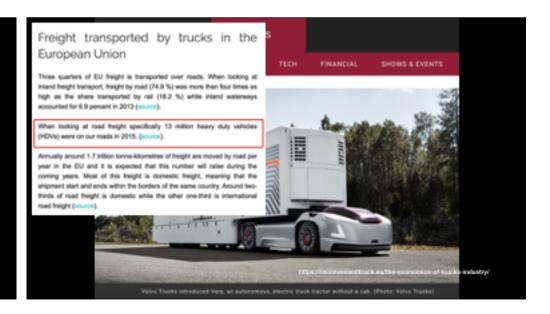
"The third technological revolution will be aided by natural language communications, machine translation, and certain expert systems. We will have widespread robotics, electronic mail and messages, information retrieval on call, service organized through interactive terminals. The range of possible and probable changes is enormous; /.../" (Bell 1987, 11).

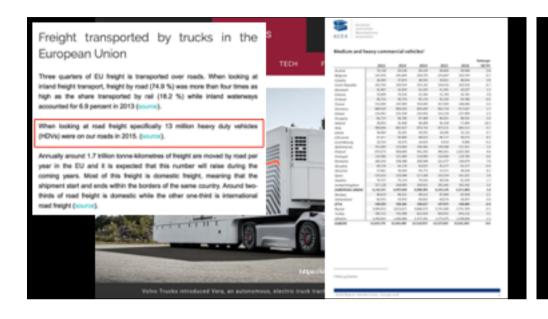


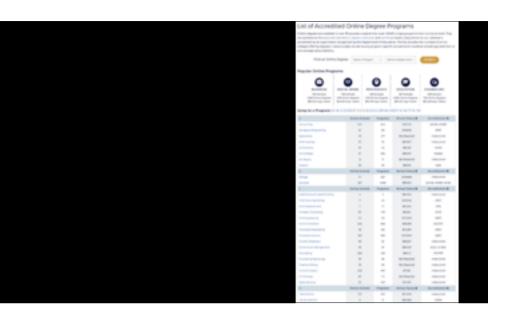














The ongoing Third Technological Revolution has altered us and the world around.

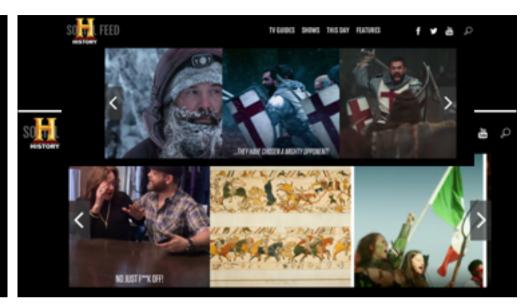
A new reality can be seen emerging with its own sovereign substantiality, structure and will. It can be called Digital Reality.

It consists of informational and communicative networks, complex hierarchy of computational algorithms and the meaning system of its projections, often called simply content. Firstly, the plenitude of information. Plenitude of information in the Digital Reality deals with an infinite abundance. Information can create, interpret, mutate and copy itself limitlessly. Currently the Big Data is available only for digital megacompanies.



Secondly, Digital Reality has transformed documents, fiction, advertisement and news into a unified field undermining the public broadcasting and printed media. The previous typology of genries disappears or merges. As a start, the public and private divisions in politics, culture and space disappear. After that, the knowledge of reality and fiction of imagination become intertwined. One can witness a strong amalgametion of public and private, but within it also of reality and fiction.





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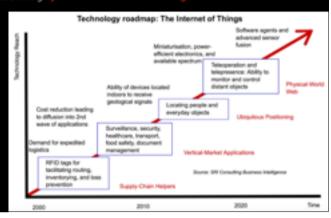
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Thirdly, the hybridisation within the different genres has produced the confusion in evaluating Modernist empirical as well as theoretical sciences. Science has lost its credibility. This condition has been recently described as era of post-truth, post-statistics, post-facts and post-public media. Social networks and private messenger apps have taken over the news and information outlets of public media, thus amplifying the amalgamations in "echo chambers" producing perfect conditions for massive public opinion manipulations.



Fourthly, the Third Industrial Revolution has advanced the idea of Internet of Things (IoT, Web of Things, Internet of Food). It is based on the possibility of embedded digital devices and communication between physical objects. This has created a parallel digital universe, which gradually stops being parallel, as it becomes an integral part of the material being. Thus one can witness a strong hybridisation of material and digital.

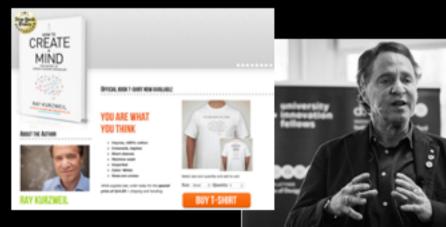


Fitthly, blocular human vision and awareness of space allow us to sense the surrounding world in a stereoscopic way – the way we apprehend the space. The Digital Reality so far was interfaced mostly through screens, but now we see digital hybrid image production with immersive virtual reality devices with the capacity of massive usage—the Virtual Presence. These amalgamate together the existential reality and the wildest imagination. Both can be approached in the minute detail through digital simulation. Thus one can witness a strong hybridisation of informational and existential.



Sixthly, the development of neuro-sciences and digital bionics/prosthetics might lead in not so distant future to the direct links between digital and conscious.

Wiki





February 12, 1948 (age 70) Queens, New York City, U.S.

Alma mater Massachusetts Institute of

Technology (B.S.)

Nationality American

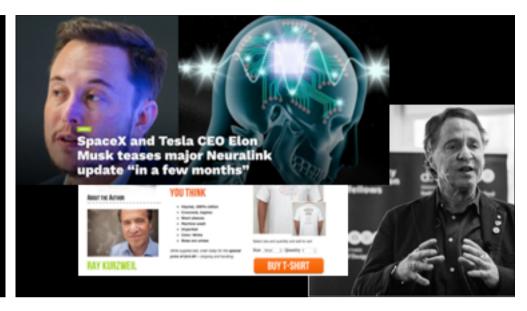
the first commercially marketed large-vocabulary speech recognition.

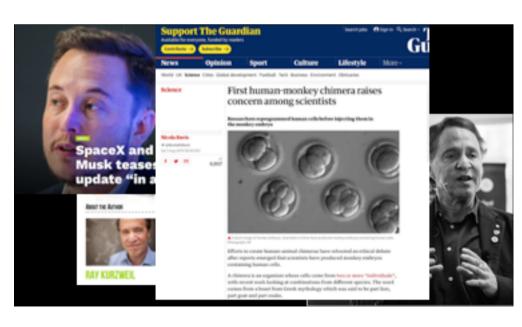
States' highest honor in technology, from President Clinton in a White House

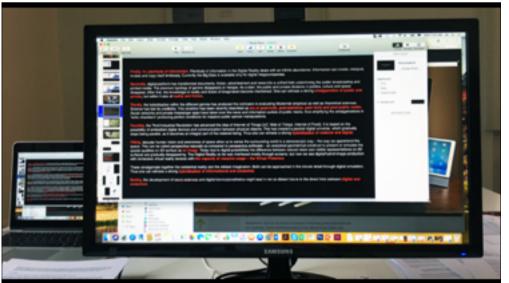
Kurzwell received the 1999 National Medal of Technology and Innovation, the United

ceremony^[6]. He was the recipient of the \$500,000 Lemelson-MIT Prize for 2001,^[7]

the world's largest for innovation, station needed, And in 2002 he was inducted into the







The image on the screen has become the favourite access device for Digital Reality and

Even in its most simplistic form it obtains the four dimensions of space-time continuum:

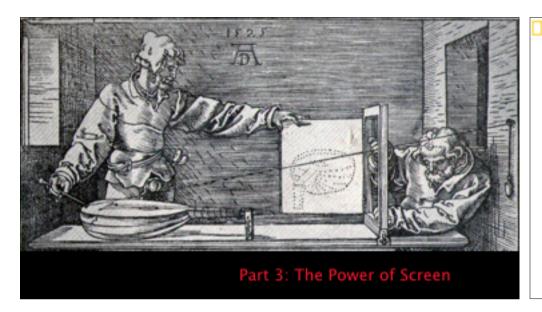
up and down, left and right, in front and in back, as well as temporal duration in the form of moving image.

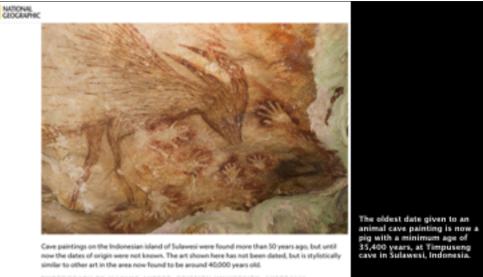


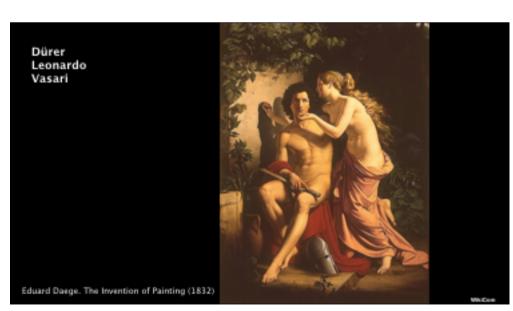


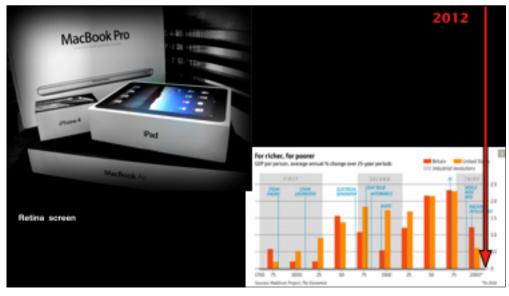


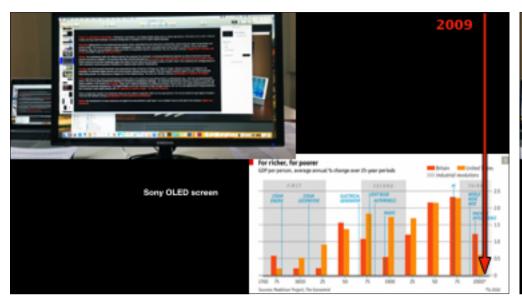


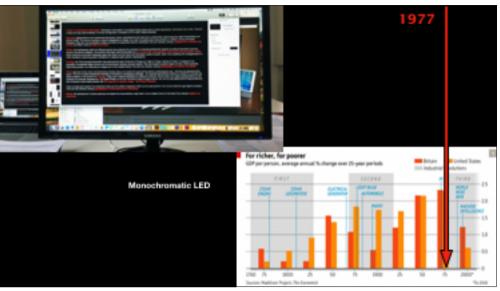


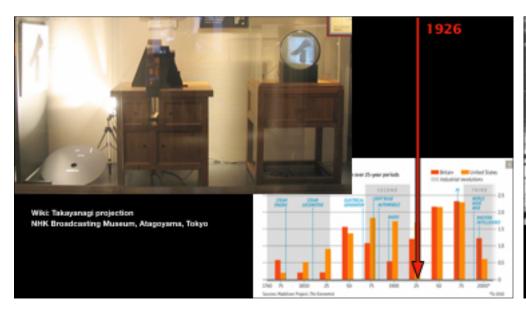


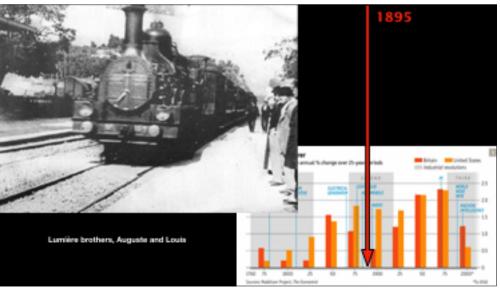


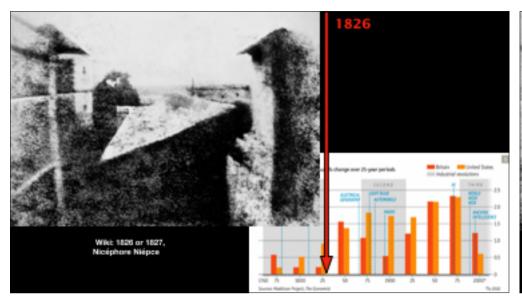




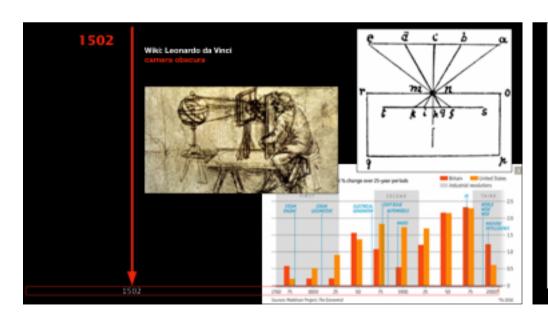




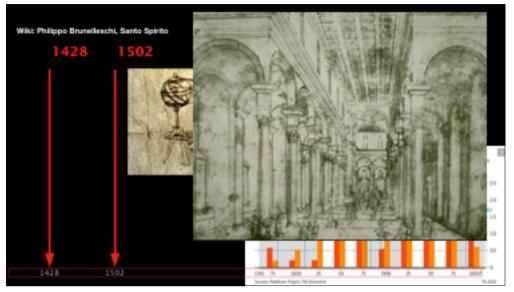


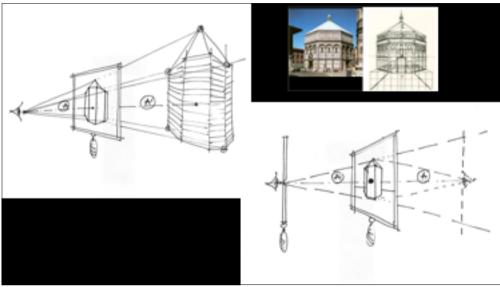


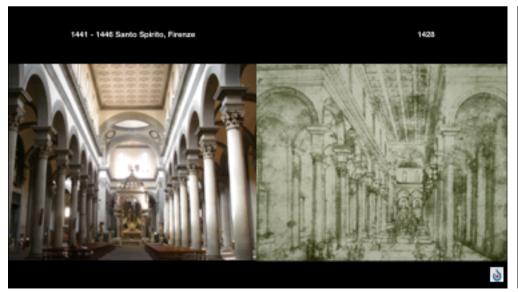


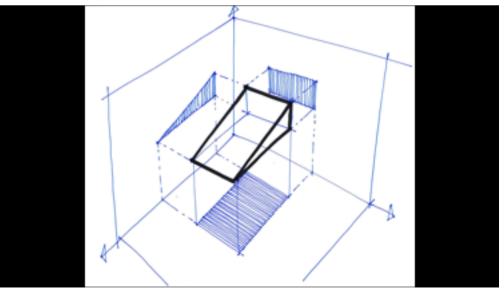


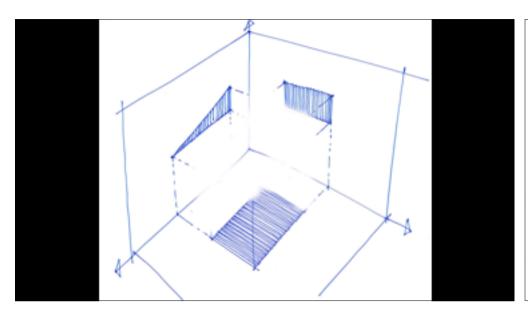


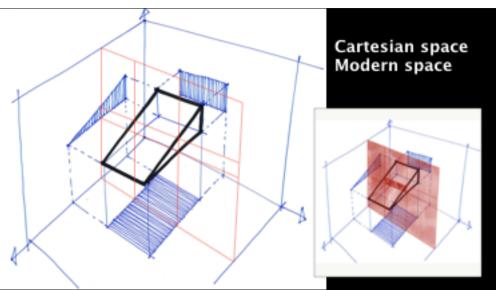




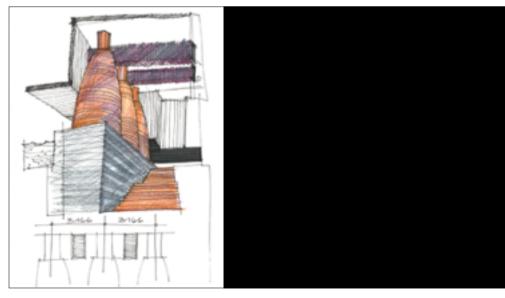


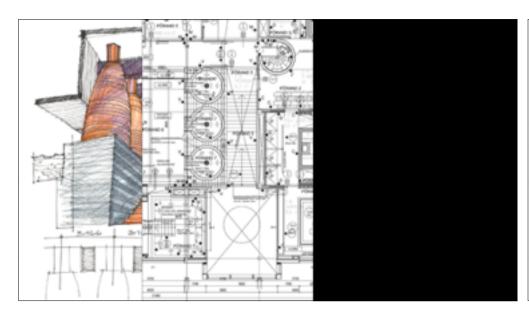




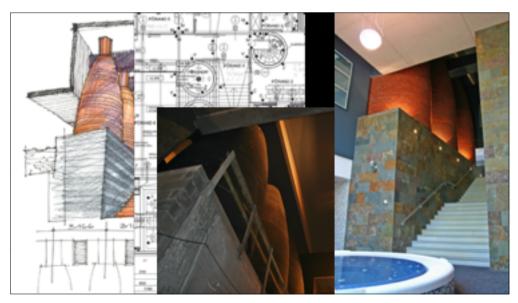




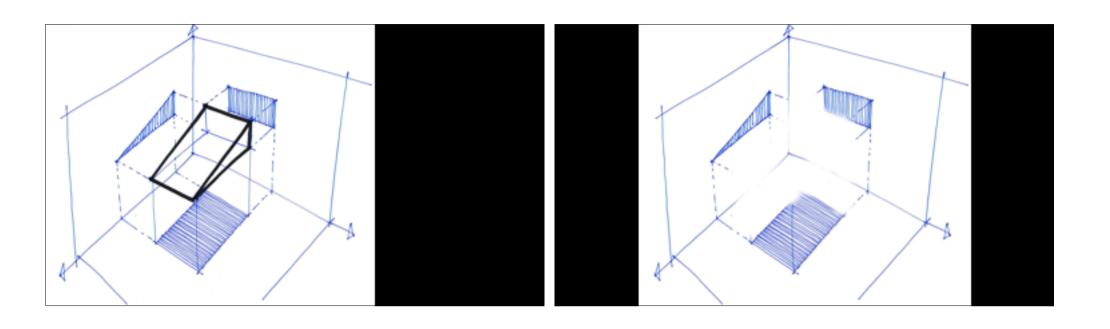




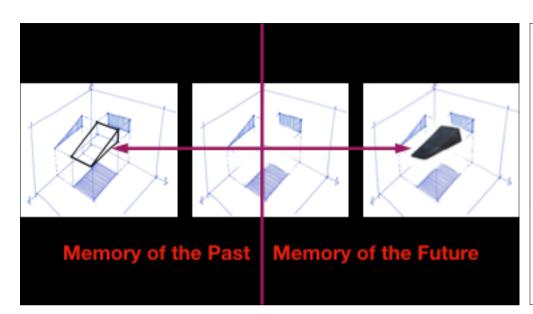


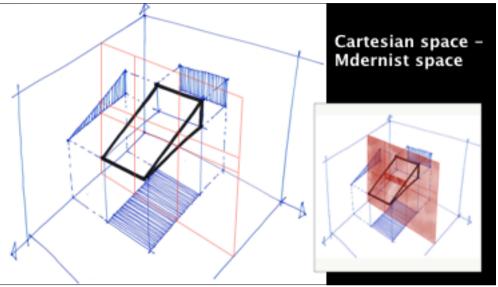


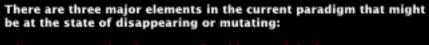












- the representational system of architectural design,
- the means of producing architecture designed and
- the authorship/isolation of an architect designing.

They have been triggered and brought forward by advances in computing, information and communication technology as well as by imagospheric development that has formed on top of the new media technologies.

MODERISM 1 since RENAISSANCE







Some parts of the Digital Reality are already so well organised, presented and exact that they can be used as a parallel reality or hybrid reality.

Most of our everyday work cannot even be done without this new layer of Digital Reality.

The simulating capacity of Digital Reality has transformed itself into a specific design horizon.

Most of the work done within the Digital Reality has become a design work.





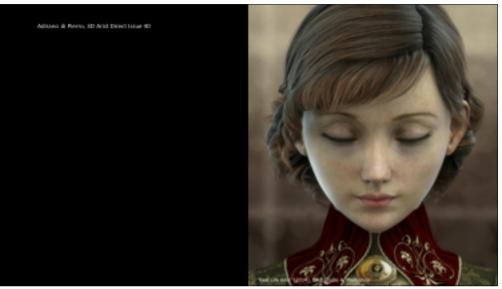


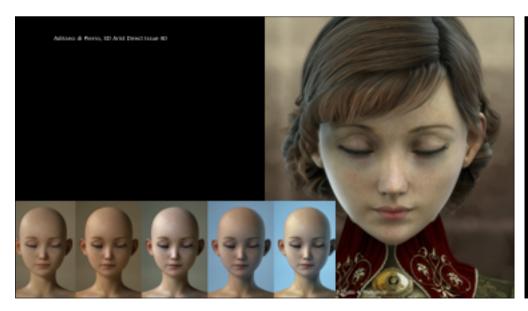






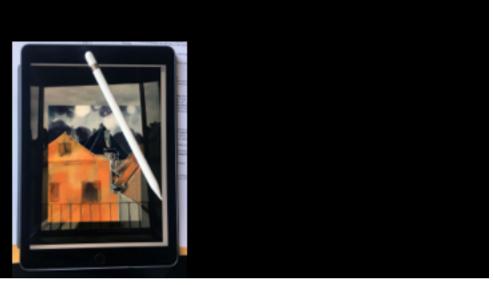


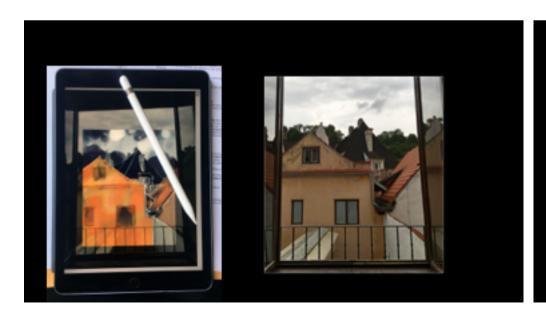






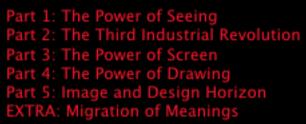




































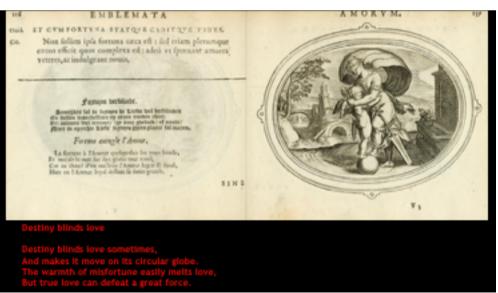




















Contrasting as they do uplifting spiritual love with debasing sensual passion, they act, so to speak, as witnesses in a law-suit of *Bright-eyed 'Amore*,' extolled in philosophical poetry, vs. *Blind Cupid*, invented and stigmatized by moralizing mythographers.

To the modern beholder the bandage over Cupid's eyes means, if anything, a playful allusion to the irrational and often somewhat puzzling character of amorous sensations and selections. According to the standards of traditional iconography, however, the blindness of Cupid puts him definitely on the wrong side of the moral world. Whether the expression caecus is interpreted:

- as 'unable to see' (blind in the narrower sense, physically or mentally) or
- as 'incapable of being seen' (hidden, secret, invisible) or
- as 'preventing the eye or mind from seeing' (dark, lightless, black):

blindness 'conveys to us only something negative and nothing positive, and by the blind man we generally understand the sinner," to speak in the words of a mediaeval moralist." Blindness is therefore always associated with evil, excepting the blindness of Homer, which served supposedly to keep his mind unvitiated by sensual appetites, and the blindness of Justice which was meant to assure her impartiality. Both these interpretations however are foreign to classical as well as to mediaeval thought; the figure of blindfold Justice in particular is a humanistic concoction of very recent origin (Panofsky1972, 109).

