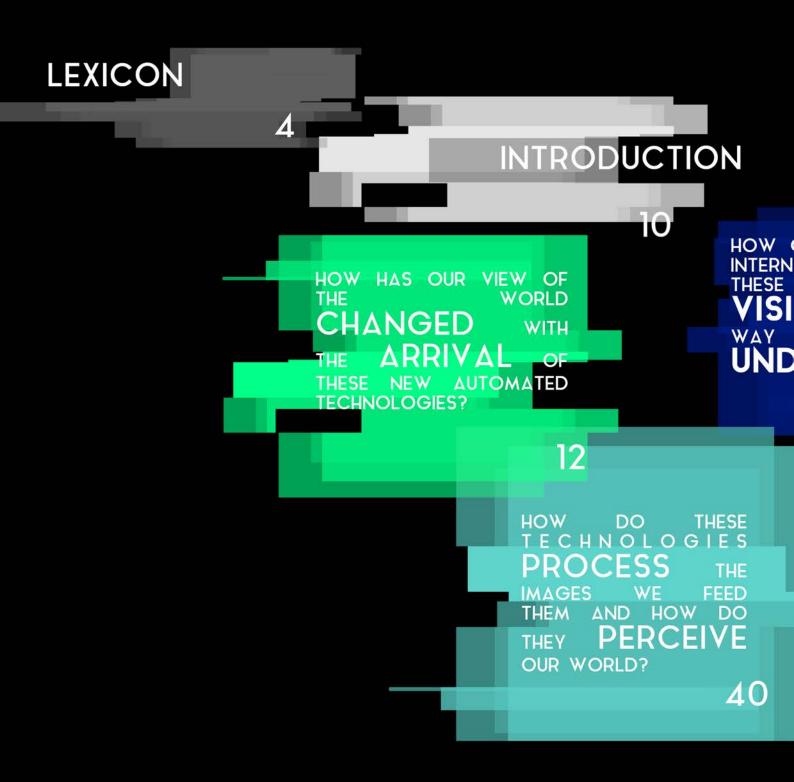
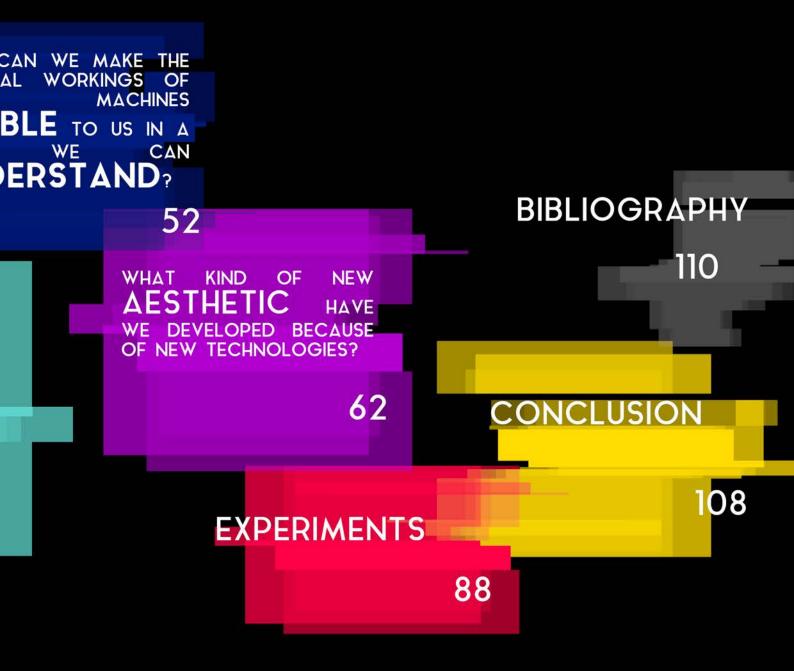


CONTENT





LEXICON



Adversary

/'advəəs(ə)ri/

noun

one's opponent in a contest, conflict, or dispute

Aerial /'ε:rləl/

adjective

existing, happening, or operating in the air.

Aircraft /'ε:kra:ft/ noun

an aeroplane, helicopter, or other machine capable of flight.

Anomaly /ə'nom(ə)li/ noun

something that deviates from what is standard, normal, or

expected.

Application /apli'keiS(ə)n/ noun

a computer program that is designed for a particular pur-

pose.

Artificial intelligence

noun

the theory and development of computer systems able to perform ťasks normally requiring human intelligence, such as visual perception, speech recognition, decision-making, and

translation between languages.





Calibrate

/'kalibreit/ verb

mark (a gauge or instrument) with a standard scale of readings.

Computational /kompju'telS(ə)n(ə)l/

adjective

- using or relating to computers.

- relating to the process of mathematical calculation.



3D

adjective

three-dimensional.

noun

the quality of being three-dimensional.

Database

/'deltəbels/

noun

a structured set of data held in a computer, especially one that is accessible in various ways.

Drone

/drəun/ noun

a remote-controlled pilotless aircraft or missile.

Exposure

/lk'spəuzə,ɛk'spəuzə/

noun

the action of exposing a photographic film to light.





/glitS/ noun

verb

Google /ˈguːgl̄/ verb

a sudden, usually temporary malfunction or fault of equipment.

suffer a sudden malfunction or fault.

search for information about (someone or something) on the Internet using the search engine Google.





- a visible impression obtained by a camera, telescope, microscope, or other device, or displayed on a computer or video screen.
- an optical appearance or counterpart produced by light from an object reflected in a mirror or refracted through a lens.
 a point or set formed by mapping from another point or set.
- an exact copy of a computer's hard disk, made for backing up data or setting up new machines.

LEXICON

verb

make a representation of the external form of.

make a visual representation of (something) by scanning it with a detector or electromagnetic beam.
make an exact copy of (a computer's hard disk).

Infosphere

/'Infau,sfla/ noun

electronic communication and networking as a whole





Learning

/'lə:nin/ noun

the acquisition of knowledge or skills through study, experience, or

being taught.

Lidar /'lAlda:/ noun

a detection system which works on the principle of radar, but uses light from a laser.



Machine-readable

/məSi:n'ri:dəb(ə)l/

adjective

(of data) in a form that a computer can process.

Mapping /mapin/

noun

an operation that associates each element of a given set (the domain) with one or more elements of a second set (the range).



Network /'nɛtwə:k/ noun

- an arrangement of intersecting horizontal and vertical lines.
- a group or system of interconnected people or things.

verb

- connect as or operate with a network.

- interact with others to exchange information and develop professional or social contacts.



0men /ˈəumən/ noun

an event regarded as a portent of good or evil.

Optical character recognition

noun

the identification of printed characters using photoelectric devices and computer software.



Photogrammetry

/,fəutə(u)'gramltri/

noun

the use of photography in surveying and mapping to ascertain measurements between objects.

Pixel

/'piks(ə)l,'piksɛl/

noun

a minute area of illumination on a display screen, one of many from which an image is composed.

Postcard /'pəus(t)ka:d/

noun

a card for sending a message by post without an envelope, typically having a photograph or other illustration on one side.

Privacy

/'prlvəsi,'prAlvəsi/

noun

- a state in which one is not observed or disturbed by other people.
- the state of being free from public attention.



QR code

noun

a machine-readable code consisting of an array of black and white squares, typically used for storing URLs or other information for reading by the camera on a smartphone.

LEXICON

R

Recognition

/rekaa'nIS(a)n/

noun

identification of someone or something or person from previ-

ous encounters or knowledge.

acknowledgement of the existence, validity, or legality of

something.

Reference

/ˈrɛf(ə)r(ə)ns/

noun

the action of mentioning or alluding to something. the use of a source of information in order to ascertain something.

Representation

/,reprizen'telS(a)n/

noun

- the action of speaking or acting on behalf of someone or the state of being so represented.

- the description or portrayal of someone or something in a

particular way.

Resolution

/rɛzə'lu:S(ə)n/

noun

the smallest interval measurable by a telescope or other scientific instrument; the resolving power.

Robot

/'raubot/

noun

(especially in science fiction) a machine resembling a human being and able to replicate certain human movements and functions automatically.



Satellite

/'satalAlt/

noun

an artificial body placed in orbit round the earth or moon or another planet in order to collect information or for communication.

Scan /skan/

verb

- look at all parts of (something) carefully in order to detect some feature

- cause (a surface, object, or part of the body) to be traversed by a detector or an electromagnetic beam.

Sensor

/sɛnsə/

noun

a device which detects or measures a physical property and records, indicates, or otherwise responds to it.

Surveying /sə'vellŋ/ noun

the profession or work of examining and recording the area and features of a piece of land so as to construct a map, plan, or detailed description of it.

Т

Target /'ta:glt/ noun

a person, object, or place selected as the aim of an attack.

select as an object of attention or attack.

Trick /trlk/ verb

verb

cunningly deceive or outwit.





/vju:/ noun

verb

the ability to see something or to be seen from a particular place.

look at or inspect.

regard in a particular light or with a particular attitude.

Visual //viz(i)ual/vi

/'vlz(j)uəl,'vlzjuəl/

rola

adjective

relating to seeing or sight.

a picture, piece of film, or display used to illustrate or accompany something.



noun





7

INTRODUCTION

AUTOMATION is everywhere.

The radical evolution of technology in the last decades has forever changed our world, and had a huge impact on the society we live in today. In this field guide we pose four QUESTIONS:

HOW HAS OUR VIEW OF THE WORLD

CHANGED WITH

THE ARRIVAL OF THESE NEW AUTOMATED TECHNOLOGIES?

HOW DO **THESE** TECHNOLOGIES PROCESS THE IMAGES WE **FEED** THEM AND HOW DO THEY PERCEIVE OUR WORLD?

HOW CAN INTERNAL Y THESE
VISIBLE
WAY

We end the field glearned, while pos be in the field of ar WE MAKE THE WORKINGS OF MACHINES
TO US IN A
WE CAN

WHAT KIND OF NEW AESTHETIC HAVE WE DEVELOPED BECAUSE OF NEW TECHNOLOGIES?

The field guide first goes through 37 CASES on ways in which automation has created a different lookout on technology and also our world.

uide with our own EXPERIMENTS using what we have ing the question what the impact of these new eyes can chitecture.

society, nature or architecture. Thanks to automated machines we can see alta noitavita 14 things we knew in a Window Legras 16 new, fresh way. 18 Amour Leopard 20 Deep neural network photography 22 Pixeldrifter 24 Talking Mona Lisa 26 Drone typography 28 Nine eyes 30 Google earth postcards 32 Aerial average temperature data 34 Dreamlife of driverless cars 36 Drone strike Miranshah 38 Jazidi heritage

How has changed

at our wortg, our

Automation gives us will a wangles to look at our world, our society, nature or architecture. Thanks to automated machines we can see things we knew in a

Automation gives us a new perspective. New angles to look at our world, our society, nature or architecture. Thanks to automated machines we can see things we knew in a new, fresh way.

our view of the world with the arrival of these mated technologies?



A peek inside the black box of a neural network.

Carter and his team reverse-engineered the internal
workings of a neural network.
They trained the machine to
recognise a wide variety of
images, and then told the
neural network to generate an
image of for example a dog
based on what it had learned.
This way we can get a peek
inside the internal workings,
and see how a deep learning
machine processes and distinguished images.

i m a g e

#pixel

#representation

#resolution

#view



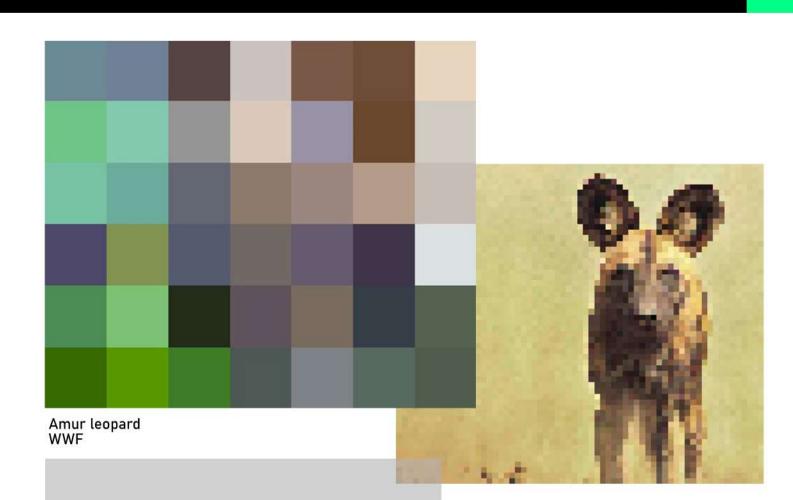
Photography takes an instant out of time, altering life by holding it still

Window Legras Nicéphore Niépce

This is the oldest surviving photograph. Previously, writing was used to describe a scene. This new form of technology offered a never before seen level of exactitude.

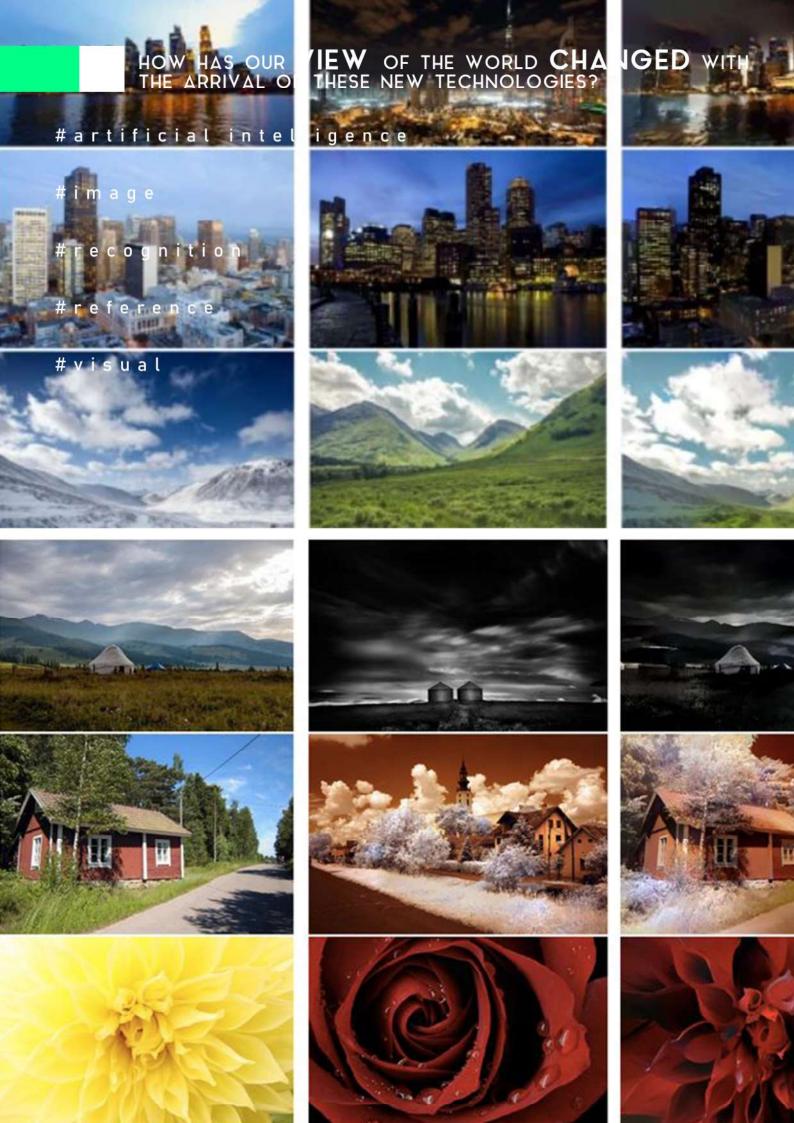
#image

#pixel



Amur Leopard. Estimated about 60 remain

We, as humans, only recognise what's in a picture if the pixel count is high enough. This WWF project plays on that idea: The amount of pixels in the picture represent how amny of a species are left in the wild, thus giving us a powerful visual reminder.





Deep neural networks can now transfer the style of one photo onto another

And the results are impressive

By James Vincent | Mar 30, 2017, 1:53pm EDT

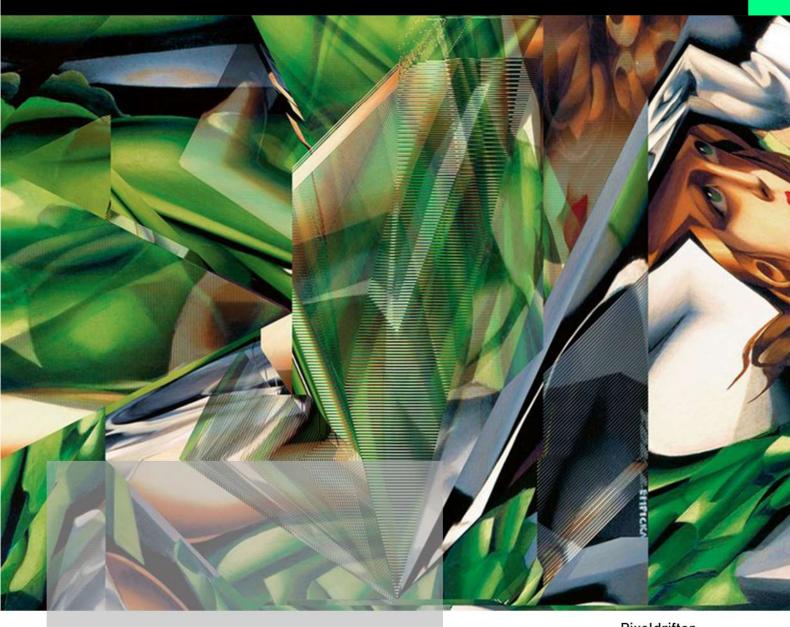






This newly developed technique allows you to transfer a photo style from a reference onto your own photograph. It differs from a simple style transfer in that it takes into account the edges of objects in the pictures instead of blindly pasting a style. So the resulting image will look like a realisitic photograph rather than a painterly style.





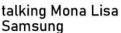
Pixeldrifter Dmitriy Krotevich

By default, each pixel tries to find the 'weakest' pixel among its closest neighbors and if one is found, they swap their positions

Also pixels with a higher 'power' value can do more 'swaps.' Put differently, the pixels are imbued with enough intelligence to behave autonomously, although Krotevich says, "an experienced user can predict a result."

#artificial intelligence #facial recognition #representation #visual







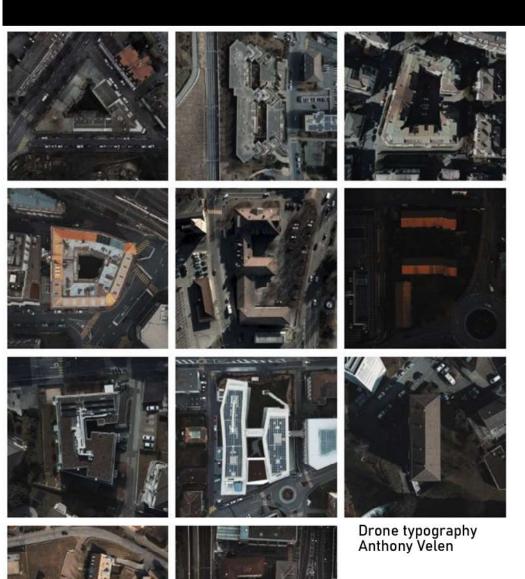
Imagine the lips forming the Mona Lisa's famous smile were to part, and she began "speaking" to you.

Researchers from Samsung AI lab and Skolkovo Institute of Science and Technology used adversarial learning to generate a photorealistic talking head model. The model finds face landmarks from video sequences in these datasets, based on the target person transforms them into a set of realistic photographs and then combines the images to create a video/gif with the target person animated as if in speech.



Using this technique on a person of Lisa Gherardini, the subject of Leonardo da Vinci's classic 16th century portrait, shows the impact of technology on extruded perception of art we already know.





I always loved typography and aerial
shots. So I decided
to uses drones to
build an alphabet
from Swiss architecture. #workinprogress

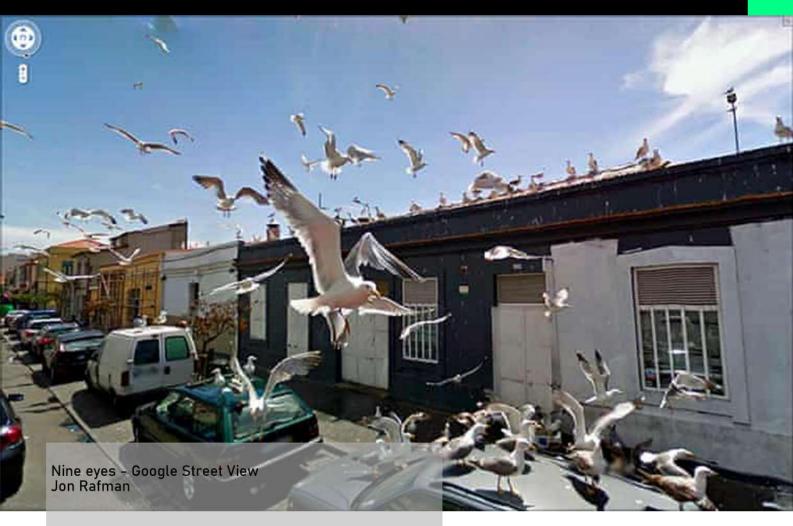
Anthony Velen starts his projects by looking through Google Earth in search of buildings that resemble letters of the alphabet. Then, he launches a drone starting from his own home to visit the site and takes his own image looking down at the building.

#database

#google

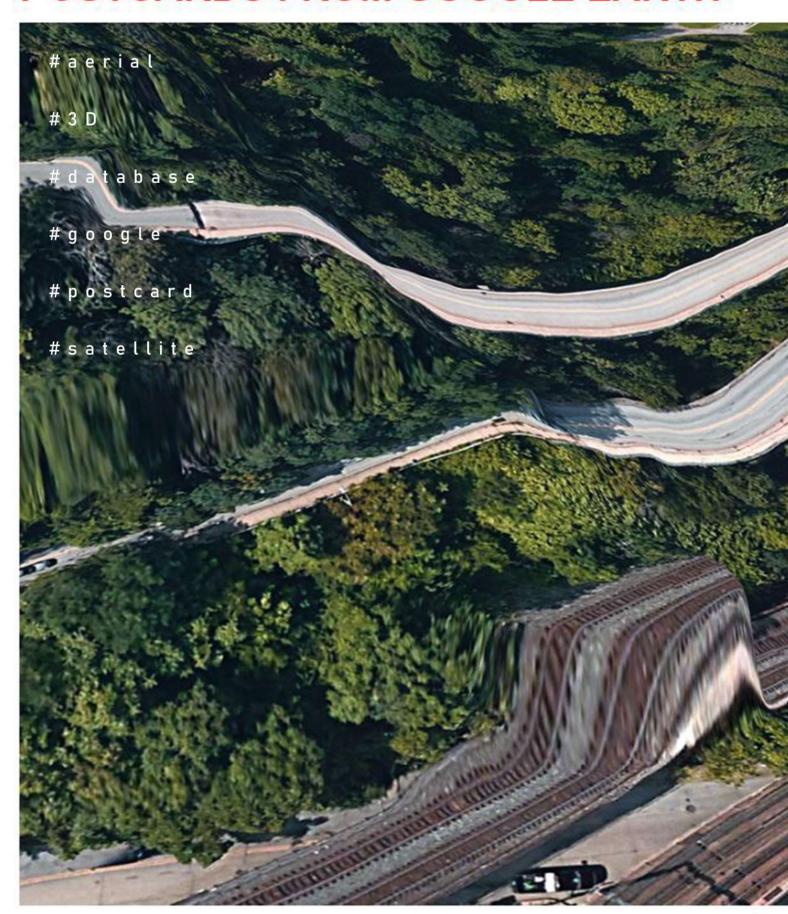
#image





Nine Eyes of Google Street View is both an archival project and a conceptual meditation on the state of photography in a time of automated imagemaking on a massive scale. Here, the artist collects images from google street view. The technique itself is meant to blindly capture the environment with no regard towards aesthetics, but Jon Rafman manages to find beauty within it.

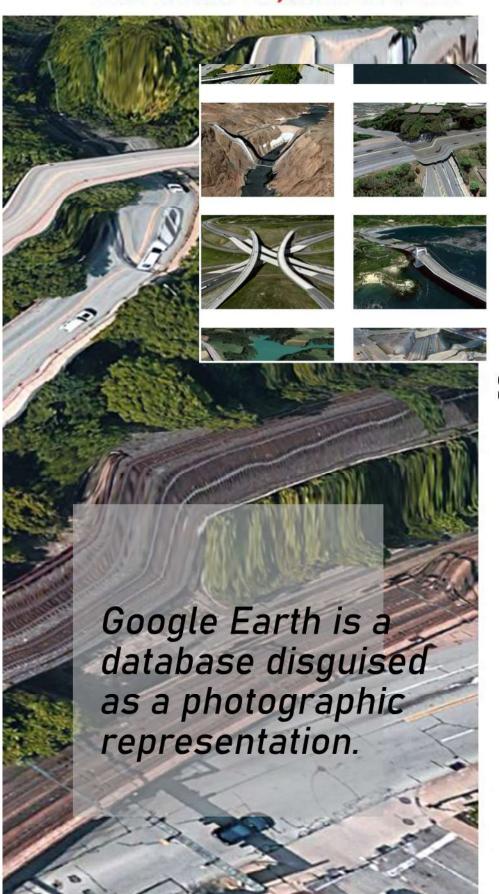
POSTCARDS FROM GOOGLE EARTH



Date of Satellite or Aerial Photos: 2017-07-09

Date of Screenshot: 2019-01-23

40.43059°,-80.00183°













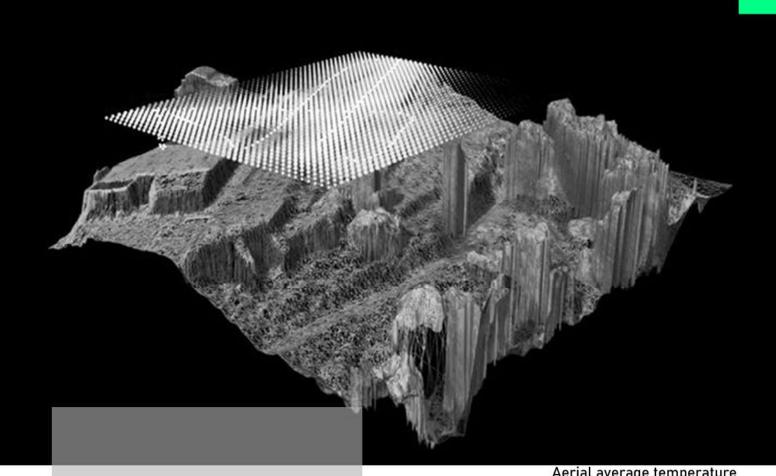


Google Earth postcards Clement Valla

The artist collects images where Google Earth shows us something strange that we might perceive as glitches. But in fact, they are not 'glitches' or mistakes but rather show us how Google Earth works: It uses a 3d model of the Earth and overlaps it with visual images from satellites. Sometimes these two forms of data don't match up and this creates interesting visuals.







Aerial average temperature NERO/noumena

Drones, or 'aerial robots', as we prefer to say, offer us a new point of perspective, a holistic representation of the built and unbuilt environment"

Drones are equipped with multiple types of technology, ranging from photogrammetry software to all kinds of sensors. This extracted data is used to generate an exact mapping of the environment with all different layers: Relief, heat map, even how many pineapples are on site.

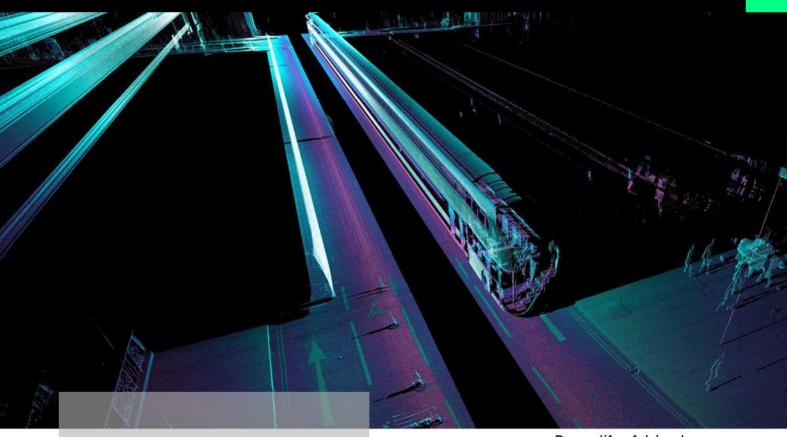
#anomaly

3 D

#lidar

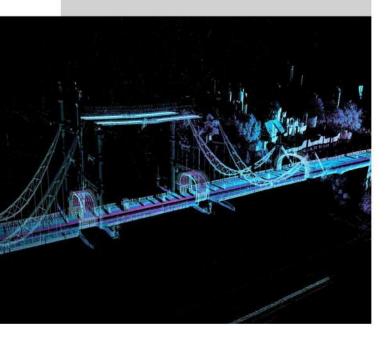
#machine-readable





Dreamlife of driverless cars Scannlab

A 3d laser scanner moves through London and shows us how a driverless car would perceive - or misperceive - the world around us.



As the scanner moves through the city, slowing for speed bumps and stopping in traffic, the city map created warps and extends depending on the speed at which we move. Stuck in traffic a routemaster bus becomes an elongated, narrow corridor, broken only by the shadow of a passing cyclist. Turning the corner into parliament square duplicates Big Ben as we

#anomaly #calibrate

#drone

3 D

#photogrammetry





Cameras record on both sides of the lens: the objects, people, and spaces they capture, and the position and movement of the in-

visible photogra-

pher.

Drone strike Miranshah Forensci architecture

In this project we see how you can break down what is happening at a scene based on the movement of the invisible actor, the person filming. The fact that they started filming the window tells us that they perceived a danger coming from outside, and erratic momevent demonstrated a sense of danger. By analysing images in this way we get a better understanding of events.





Jazidi heritage Forensic architecture

detailed 'snapshot' of their current condition



Through a technique called photogrammetry, this company creates 3d models from 2d images. They focus the use of this technique mainly on reconstructing events, since it allows for details to be scanned that you could not get any other way. Here, they used drones and kites to investigate a potentially dangerous bombing site.

- 42 Ai-da robot artist
 44 Robots understanding robots
 46 Anti-lidar suit
 48 Scarf + prototype + example
 50 Salt circle trap
 - It is clear that autor devices have their o 'eyes', much differer ours. Their 'eyes' had ifferent advantages abilities but are also to trick.

the images

ours. Their 'eyes' have different advantages and abilities but are also easy to trick.

se technologies process we feed them and how do ve our world?

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It is clear devices 'eyes', mucl ours. T different abilities bu



"We're at the beginning of a new era of humanoid robots and it will be fascinating to see the effect on art."

Aidan Meller

Ai-Da is and AI robot able to walk, talk and hold a pencil or brush. She has been built with robotic drawing technology developed at the University of Leeds. Thanks to Facial-recognition technology she can draw pencil portraits of people by scanning their features with the cameras in her eyes and using the robotic arm to map them on paper.





HOW DO THESE TECHNOLOGIES PROCESS THE IMAGES WE FEED THEM AND HOW DO THEY PERCIEVE OUR WORLD?

#robot

A I

#images

#neural netwo





Please wait for a few seconds while a caption is being generated for the uploaded image.



Caption: a little girl is eating a piece of cake

Is it a good picture?



yes

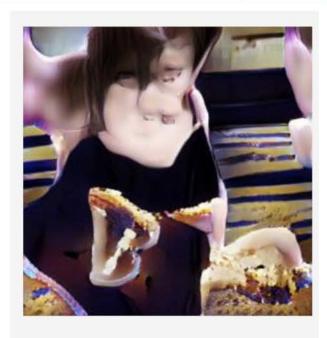
Ordinary girl, ordinary cake





A girl eating a large slice of cake





Robots Made by Cris Valenzuela with Runway | Using AttnGAN | GPU hosting thanks to Paperspace understanding robots

Automated devices have their own language and perspective which are not readable for humans in any way. But our understanding of thier actions is not necessery while they're working with other automated devices - they can understand each other perfectly.

Janelle Shane known from her blog aiweirdness.com has put two AI bots against each other and the result of the experiment showed that things which are wrong and confusing for us, can be readable and right for automated devices.

HOW DO THESE TECHNOLOGIES PROCESS THE IMAGES WE FEED THEM AND HOW DO THEY PERCIEVE OUR WORLD?



"In the future, full of smart cities and homes, surveilled by all sorts of entities, there will be all kinds of eyes on us. And with those eyes will come new ways of hiding."





Liam Young



This suit scrambles the reflection used by Lidar-technology. This is because the suit is very reflective, and essentially makes it so the laser image that returns back to the Lidar-machine is distorted and warped.

HOW DO THESE TECHNOLOGIES PROCESS THE IMAGES WE FEED THEM AND HOW DO THEY PERCIEVE OUR WORLD?

#tricking Al #facial recognition #privacy #glitch



This is a scarf made to throw off facial recognition software. It's effectively a shield against the ever increasing of presence surveillance 0n cameras. the scarf there is a carefully plotted design that's recognised by facial recognition software as faces: There's such a huge amount of them on the scarf, that if a few people would wear it, they would overload surveillance system the making it useless.

"The whole reason we created all of this is to do scientific research. To see if we can increase exposure and decrease prejudice and bias."

Aguilar y Wedge



Hyperface + hyphen lab

Hyperface Scarf



"Self-driving cars bring together a bunch of really interesting technologies—such as machine vision and intelligence—with crucial social issues such as the atomization and changing nature of labor, the shift of power to corporate elites and Silicon Valley, and the quasi-religious faith in computation as the only framework for the production of truth—and hence ethics and





James Bridle shows us in this project how self-driving cars might get confused simply by drawing lines around them. It is a powerful reminder of how easily technology can be tricked by human ingenuity.

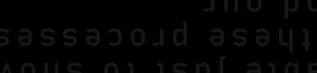
Salt cirlcle trap

James Bridle

- 54 Light painting WiFi
- 56 Satellite Lamps
- 58 Wif structure
- 60 Visualizing electromagnetic fields

People don't have to understand how automated machines work to use them. Still, there are ways to make their workings more understandable just to show a beauty of these processes and to extend our perspective about automation.

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People don't have to understand how automated machines work to use them. Still, there are ways to make their workings more understandable just to show a beauty of these processes and to extend our perspective about automation.

HOW CAN WE MAKE THE INTERNAL WORKINGS OF THESE MACHINES VISIBLE TO US IN A WAY WE CAN UNDERSTAND?





"Every city, every town, every home is filed with an invisible network of competing signals"

British Telecom 'BT Smart Wireless Home Hub'

The project of Timo Arnall and its co-authors (Jørn Knutsen, Einar Sneve Martinussen) aims to illustrate invisible to the human eye wi-fi networks in urban spaces through the use of photographic technique called light-painting. We can see how WiFi network behaves and changes in urban space, how it is influenced by buildings, people and the structure of the city.



Timo Arnall Einar Sneve Martinussen Jørn Knutsen

A four-metre long measuring rod with 80 points of light creates cross-sections through WiFi networks by light painting signal strength in long-exposure photographs.

Immaterials: Light painting WiFi

HOW CAN WE MAKE THE INTERNAL WORKINGS OF THESE MACHINES VISIBLE TO US IN A WAY WE CAN UNDERSTAND?

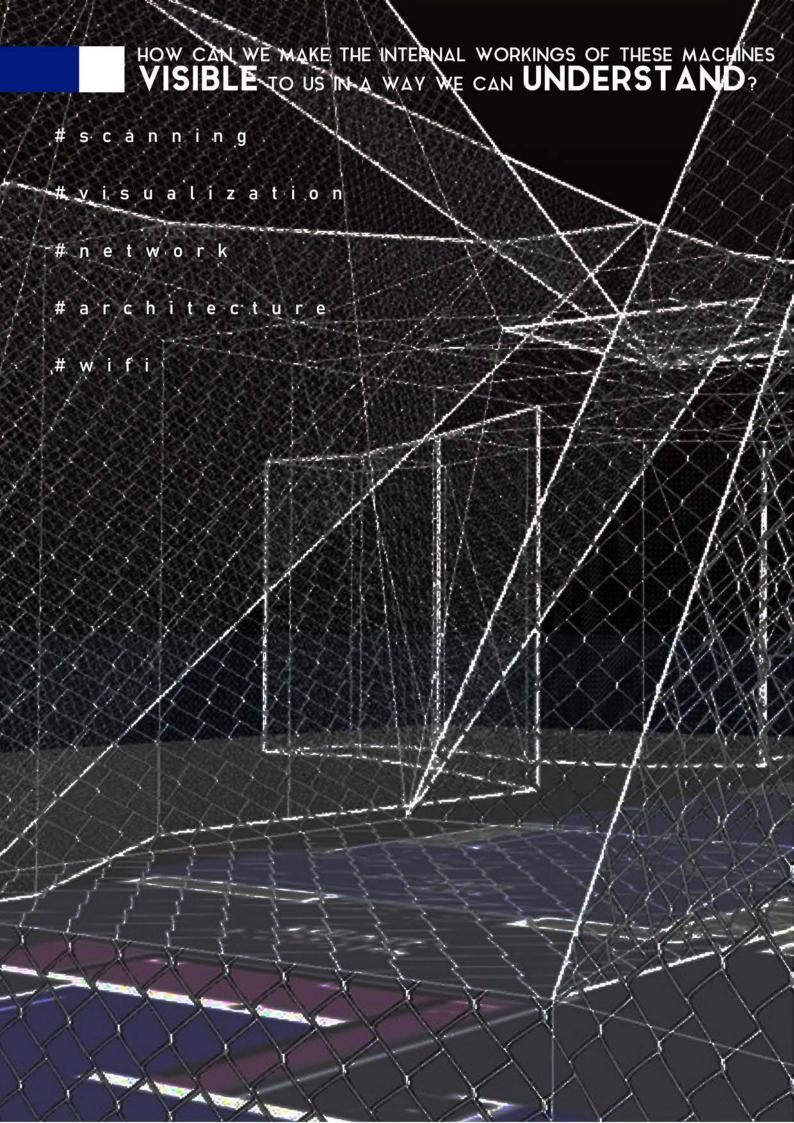


"As urban life becomes intertwined with digital technologies, the invisible landscape of the networked city is taking shape—a terrain made up of radio waves, mobile devices, data streams and satellite signals."



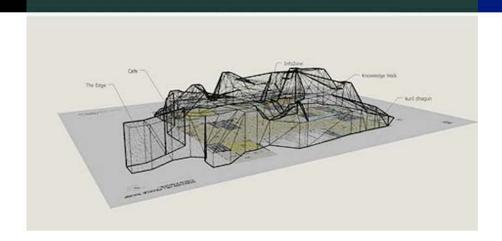
Satellite Lamps is using design to discover and reveal one of the fundamental pillars of the networked city - the Global Positioning System (GPS). Satellite Lamps glow brighter when GPS signals are stronger, and thanks to timelapse photography we can see how GPS signals inhabit different everyday spaces.







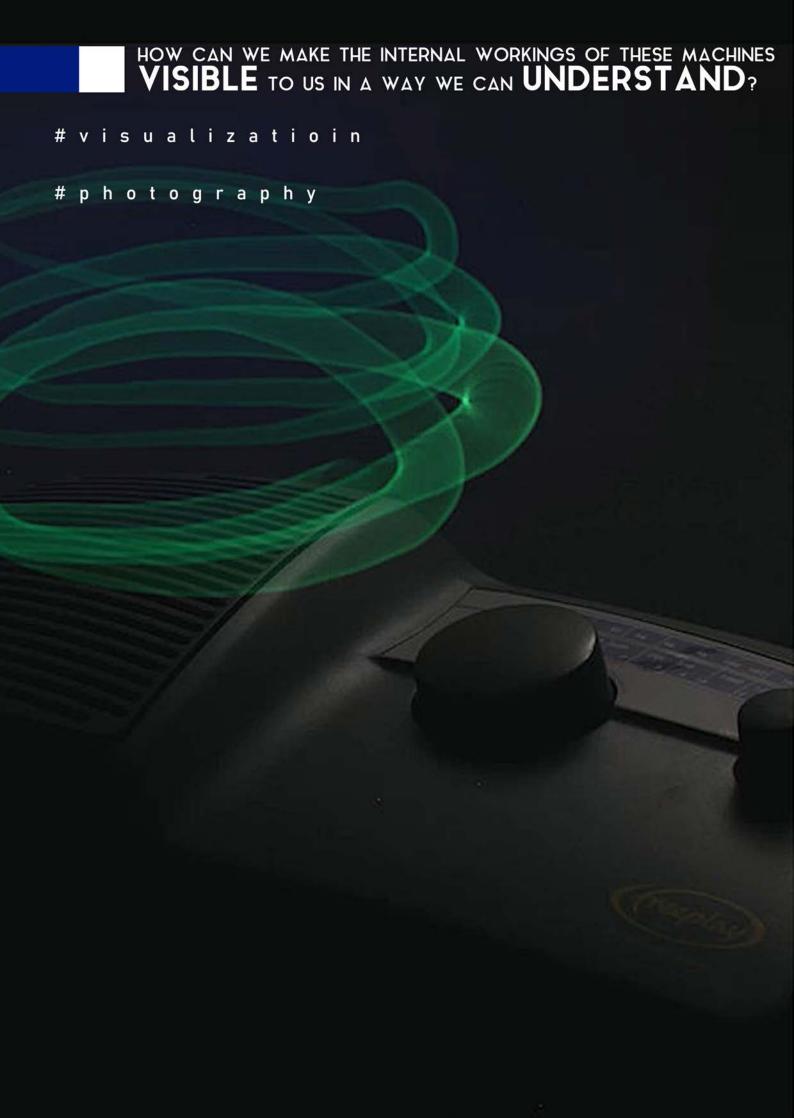




The author of this project, Dan Hill, has mapped a strenght of the WiFi signal across the primary WiFi using areas in State Library of Queensland. the construct a snapshot of the wi-fi signal across the Library. Then strength transforming this set of readings as a basic 3D model in SketchUp has gave a sense of the wi-fi as a shape, with a physical, somekind architectural form of

invisible reflection of the Library.









Visualizing electromagnetic fields

There are forces called Electromagnetic Fields that are invisible for humans but are used by all electrical or magnetic devices. By using custom software, long exposure photography and stop-frame animation Luke Sturgeon captured and visualised these invisible forces around our everyday objects.

"Yet how can we be sure that our own mental model of these technologies is accurate and is a mental model shared by others, most importantly our target audience?"

Luke Sturgeon

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64 Gobi desert satellite calibration targets Dead pixel Google Earth 66 68 Scale model China 70 **CLUI** kite 72 Ground calibration patterns for sale 74 Space 360 76 Prototype 78 Rate 80 Driveway QR code 82 QR U 84 Russian pavilion 86 Milestone

M.What have we new tec

Arriving of new echnologies gave us ew kind of language readable for automated devices only. It creates a ew wave of aesthetic

Arriving of new technologies gave us new kind of language readable for automated devices only. It creates a new wave of aesthetic which we can experience everyday.

Arriving of new technologies gave us new kind of language kind of language kind of language with the cause of aesthetic hnologies?

Arriving of new kind of language new kind of language new language of language of aesthetic which we can experience everyday.

WHAT KIND OF NEW AESTHETIC HAVE WE DEVELOPED BECAUSE OF NEW TECHNOLOGIES?



Landscapes are made for Satellite Eyes



This is an example of a satellite calibration target, which were built to give aircraft mounted cameras something on which to focus their lenses, allowing them to test their resolution and ability to take clear pictures at high speeds. The resulting properly calibrated satellites could then go on to do the work for which they were meant: spying.



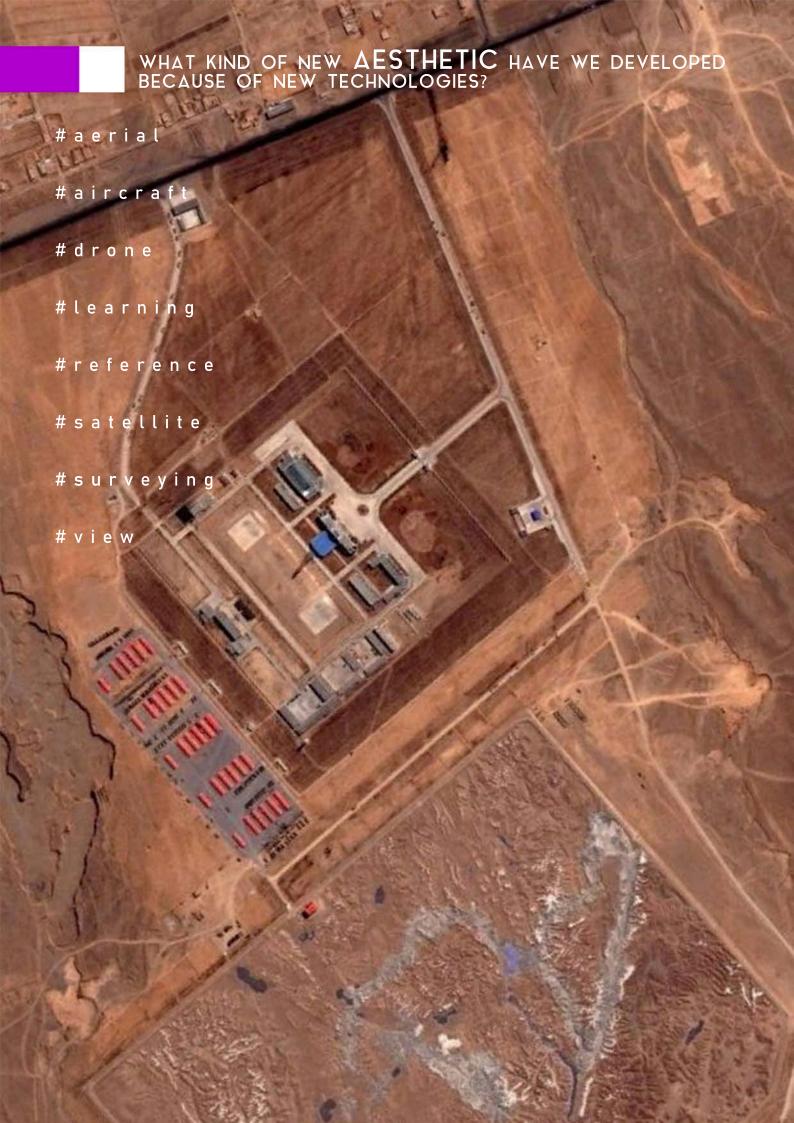
The 20-meter-wide zigzagging white lines are calibration targets for spy satellites. The calibration targets are larger than might be expected — 1 by 1.8 kilometers — suggesting that the satellite cameras they are being used to calibrate have surprisingly poor ground resolution.



A 32 x 32 inch square of dirt made by Helmut Smiths looks like one dead pixel from an altitude of 1 kilometer in Google Earth.



This "missing pixel" is an interesting way of placing emphasis on the seemingly immaterial nature of digitized information, such as the sattellite photography used to populate the data sphere of Google Earth. The virtual equivalent of this project might be to remove a single pixel from the website's homepage just to see if anyone notices the deletion.



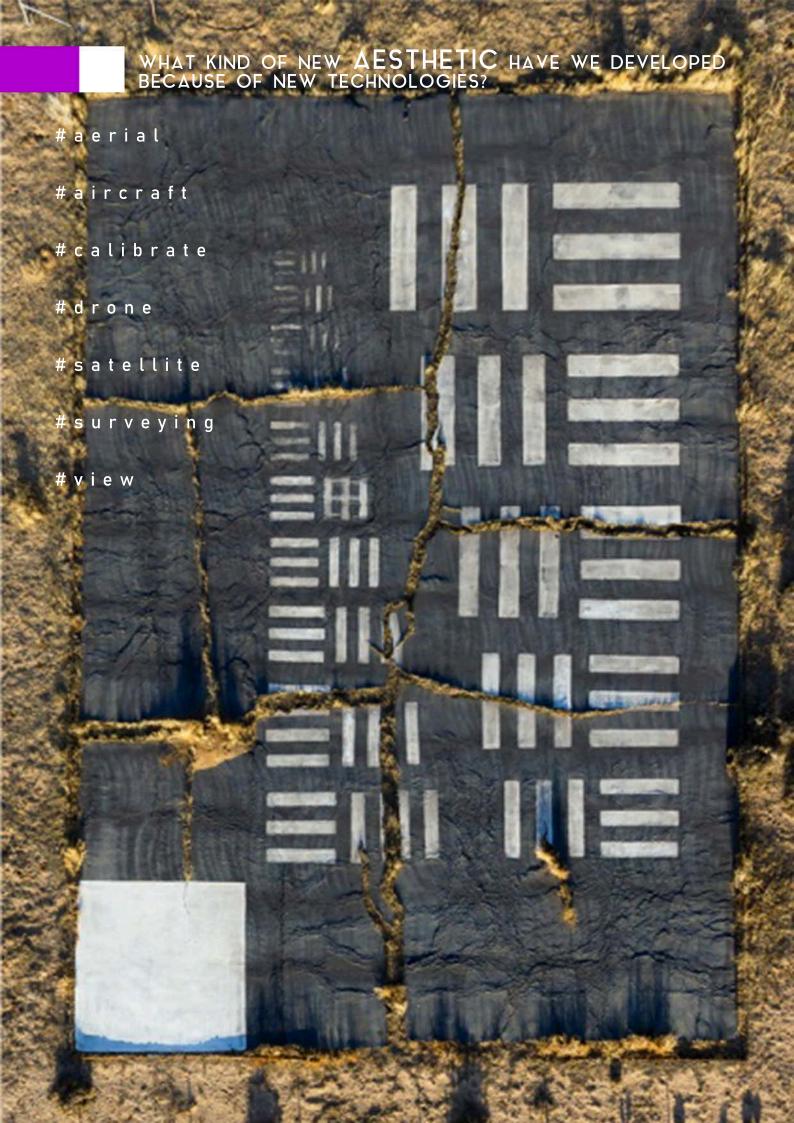


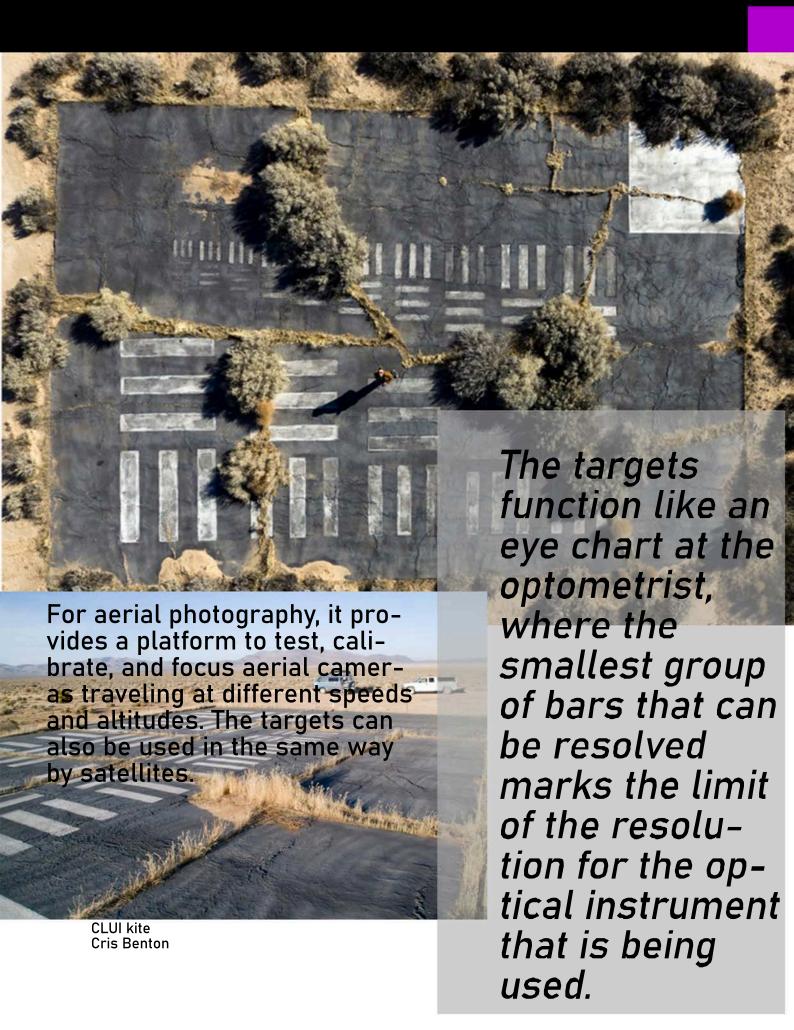
0.90km

The Chinese government made a 1:20 scale model in the desert of an area near the border that is being disputed.

Why Is China Building These Gigantic Structures In the Middle of Nowhere?

Scale model China Chinese government





WHAT KIND OF NEW **AESTHETIC** HAVE WE DEVELOPED BECAUSE OF NEW TECHNOLOGIES?

#aerial

#aircraft

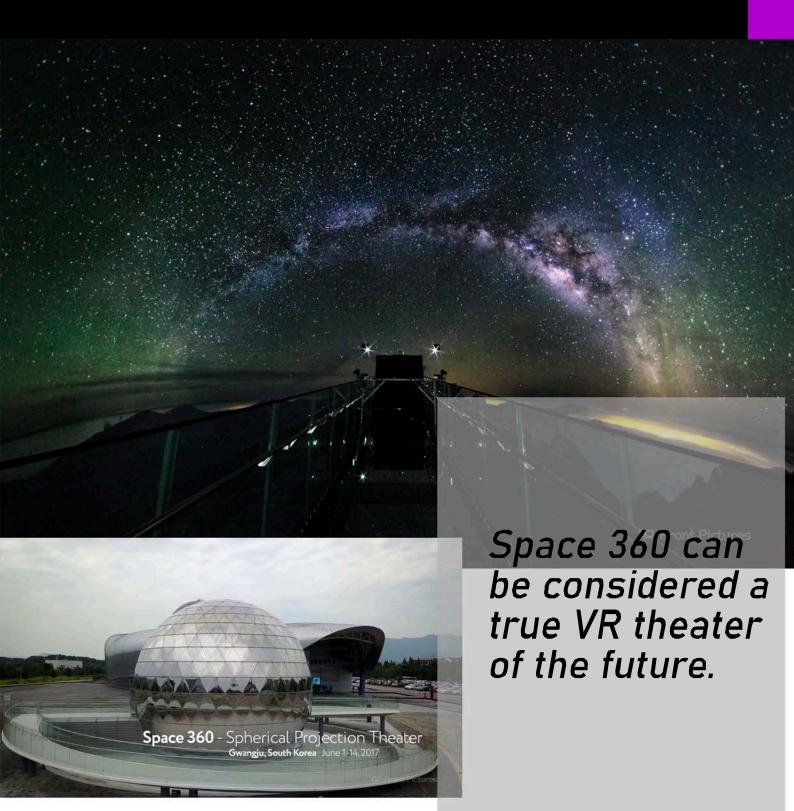
#calibrate

#satellite









Space 360 Barco A sphere building with a glass walking bridge was designed solely for projecting 360 movies on it.

3 D

#glitch

#machine-readable

#photogrammetry



A series of prototypical objects explore the form and materiality of stealth and subversion. Each object starts life as an intuitively carved wooden sketch. These then become 3D notebooks on which to design precise insertions and additions. The objects are then 3D scanned using a self built scanner to enable precision inserts to be machined and added to the originals. Matthew Shaw's project aims to subvert mapping, by arming the population with the tools to edit the way their city is scanned and recorded.

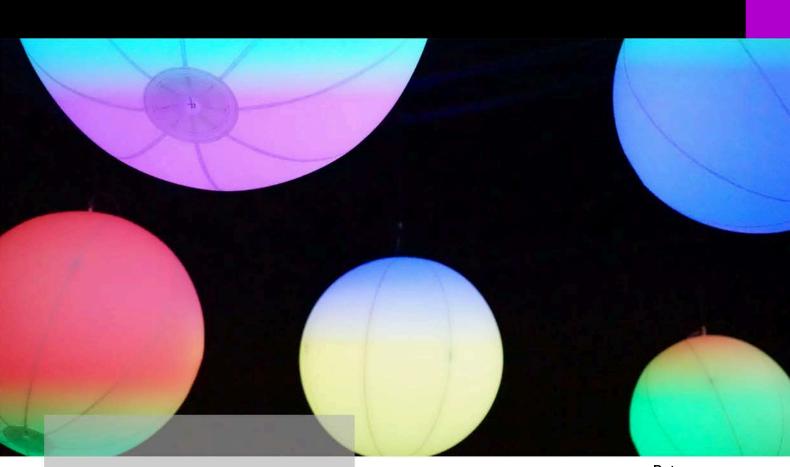
Prototype Matthew Shaw



These tools are not digital hacks but physical interventions. They manipulate the scanning process and act as waypoints and markers linking the physical world to the digital.

WHAT KIND OF NEW AESTHETIC HAVE WE DEVELOPED BECAUSE OF NEW TECHNOLOGIES?



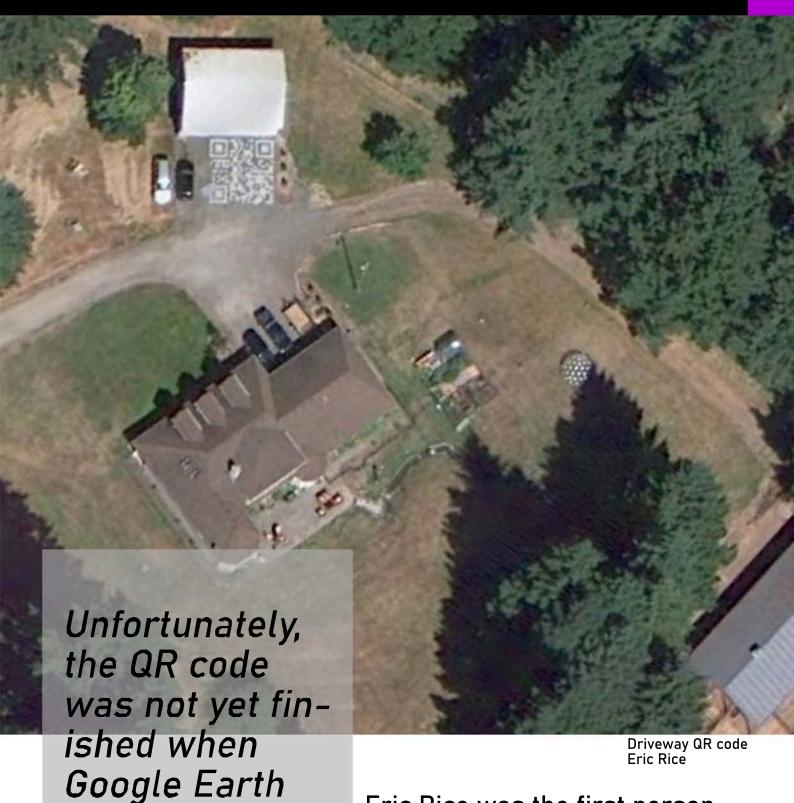


"I do not think that the radio waves I discovered will have any practical application" -Heinrich Hertz

Rate Daito Manabe

In person, these hanging lanterns look like typical white lights. On camera, however, they appear to strobe with bands of color. We cannot see radio waves with the bare eye, but through a project like this the technology becomes something we can see.

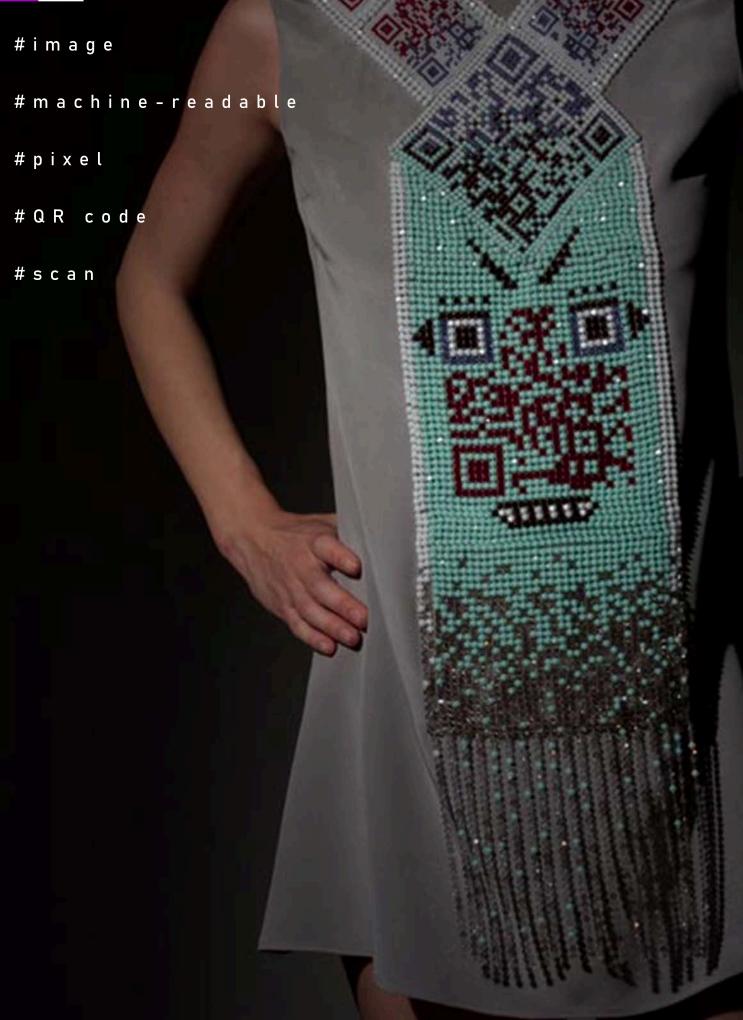




took this picture

Eric Rice was the first person to build a QR code that was meant to be scanned through Google Earth. He made it on his driveway.







The tribal styling references the way social networks are often described as online tribes.



QR U? Thorunn Arnadottir

The QR U? dress features graphic codes that a mobile app can recognise and translate into images, links to websites or text.





WHAT KIND OF NEW AESTHETIC HAVE WE DEVELOPED BECAUSE OF NEW TECHNOLOGIES?





"Each pixel carries different information, featuring the stories of the

city and its inhabitants. Accompanied by a smartphone app one can discover its

richness, creating the public library of the

town," MVRDV

explained.

The milestone MVDRV

Extruded and indented blocks on the square grid of the facade will give the building a 3D profile that the architects describe as a "pixelated map". Passersby will be able to use their phones to interact with the facade, which will be printed with QR codes that reveal information about the city.

EXPERIMENTS EXPENSED TO SERVICE AND LEAST OF THE PROPERTY OF T

yon to nee them and in which bn.bose the h.e. the most effective. A lot of automated devices are already very common and accessable. We can check by ourselves how these tools work, how to use them and in which purpose they're the most effective. A lot of automated devices are already very common and accessable. We can check by ourselves how these tools work, accessable. We can check by ourselves how these tools work, how to use them and in which purpose they're the most effective. A lot of automated devices are already very common and accessable. We can check by ourselves how these tools work, accessable. We can check by ourselves how these tools work, how to use them and in which purpose they're the most effective.

new opportunities in unerstanding and adapting visual perception of automated devices to our own sense of aesthetic new opportunities in unerstanding and adapting visual new opportunities in unerstanding and adapting visual new opportunities in unerstanding and adapting visual perception of automated devices to our own sense of aesthetic new opportunities in unerstanding and adapting visual new opportunities in unerstanding and adapting visual perception of automated devices to our own sense of aesthetic new opportunities in unerstanding and adapting visual vISUAL BOTS and PHOTOGRAMMETRY TECHINQUE gives us new opportunities in unerstanding and adapting visual new opportunities in unerstanding and adapting visual perception of automated devices to our own sense of aesthetic new opportunities in unerstanding and adapting visual perception of automated devices to our own sense of aesthetic new opportunities in unerstanding and adapting visual perception of automated devices to our own sense of aesthetic.

IEXPERIMENT WITH VISUAL CHATBOTS

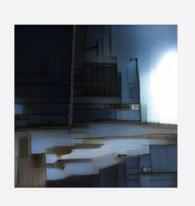
This experiment is checking the ability of automated devices to recognize and rate aesthetics of the images made by other machines.

GENERATIVE ENGINE is a storytelling machine that automatically generates synthetic images as you write new words and sentences.

the bot autoamtically creates the image

aesthetic modern building

we're writing down what we want to see

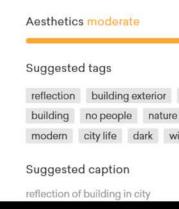


The other visual EVERYPIXEL) a recognize the pit aesthetic.

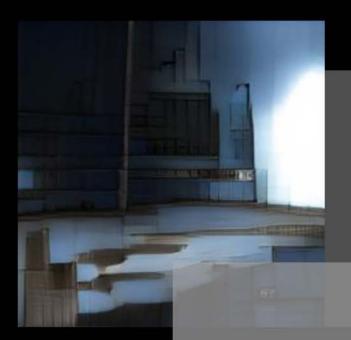






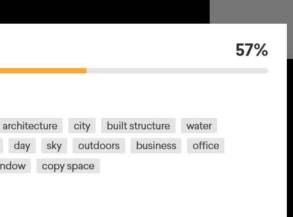






No People

al bots (... and are trying to sicture and rate



Bots are recognizing the picture quite accurate but becouse of different data bases bots are rating it differently. None of them describes the picture as "aesthetic".

EXPERIMENT WITH VISUAL CHATBOTS

Some of the examples are showing how weird and abstract perception of autmated devices can be.

Aesthetics moderate

Suggested tags

portrait two people adult women indoors females emotion people smiling men headshot happiness looking at camera togetherness mid adult positive emotion casual clothing joy

SHARE RESULT WITH FRIENDS

The least of searching or copy them all

Concepts And Ideas People Color Image Statue

Thanks to creating images in real time we can see the way of thinking of autmated bot.



Busy street



Visualization o



Busy street in a city center



Visualization of invisible



Busy street in a city center full of yellow taxis



Visualization of invisible landscape



Busy street in a city center full of yellow taxis with gardens on the roof









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Original photo + reference photo = result

We started experimenting with the style transfer technique, first on pictures. We wanted to see if it was possible to clean up a room, make it messy, change the style and much more using this technique.









EXPERIMENT WITH

STYLE TRANSFER































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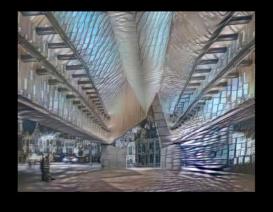






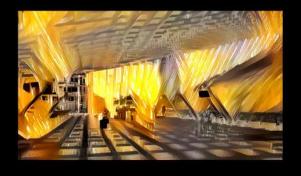
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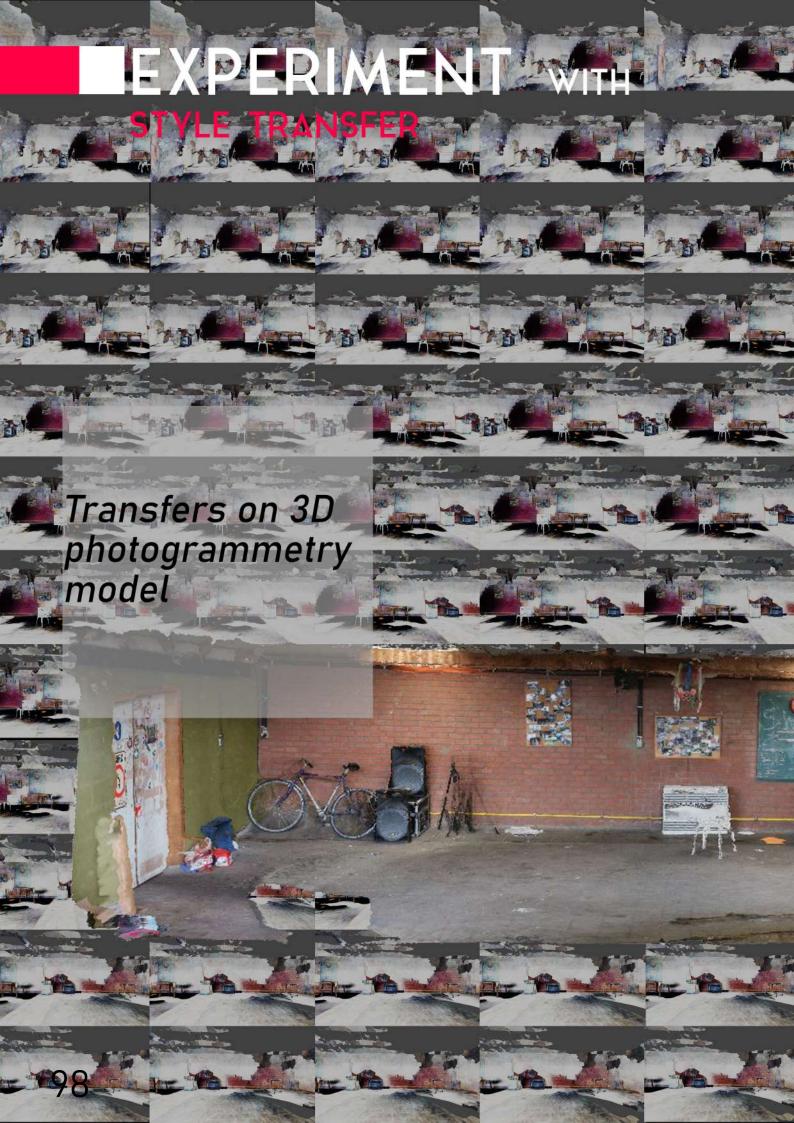


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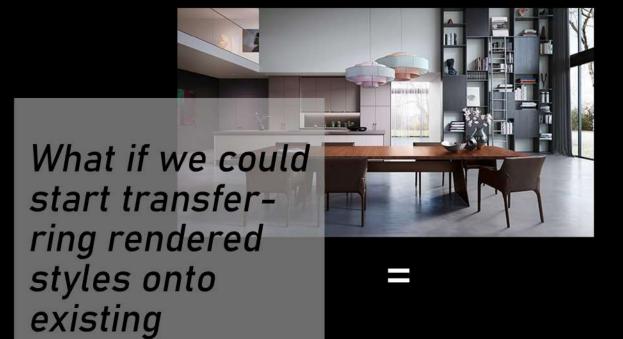


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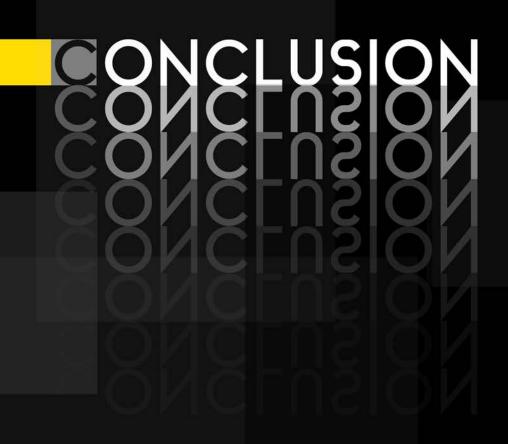






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The NEW EYES looking at the wor creating new strushowing how auto

These new persperson ARCHITECTURE. Consultations buildings in it?

that AUTOMATION has given us, brings us new ways of cld. Other than just being an observer, humans have started ctures for machines to look at, and for humans to look at while mated technology works.

ectives can and should be considered while making Our whole lookout on the world has changed, so why not the

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