

Marco Spitzbarth
2019

ZHdK Diplomausstellung

DIPLOME19

exhibited from 6 to 21 June at the diploma exhibition of the ZHdK, room 7A.01 / www.zhdk.ch/veranstaltung/39463

a list of digital applications developed by Marco Spitzbarth and taken place in the project:

- webseeds.xyz
- tokentransformat.io
- blockexplorer.li
- cryptoshit.info
- howtrumpareyou.com
- tattookurier.ch
- strichplatz.ch
- useragent.icu

The End of the F***ing Internet (TEotFI), 2019

The internet of today is a fragmented battleground. The idealism of the '90s web is gone.

The web 2.0 utopia—where we all lived in rounded filter bubbles of joy and happiness—ended with the 2016 Presidential election when we learned that the tools we thought were only life-giving could be weaponized too.

The public and semi-public spaces we created to develop our identities, cultivate communities, and gain knowledge were overtaken by forces using them to gain power of various kinds (market, political, social, and so on).

In addition, for more than 10 years we have been looking forward to a development that uses the infrastructure of the Internet and shakes our traditional value systems in a disruptive way.

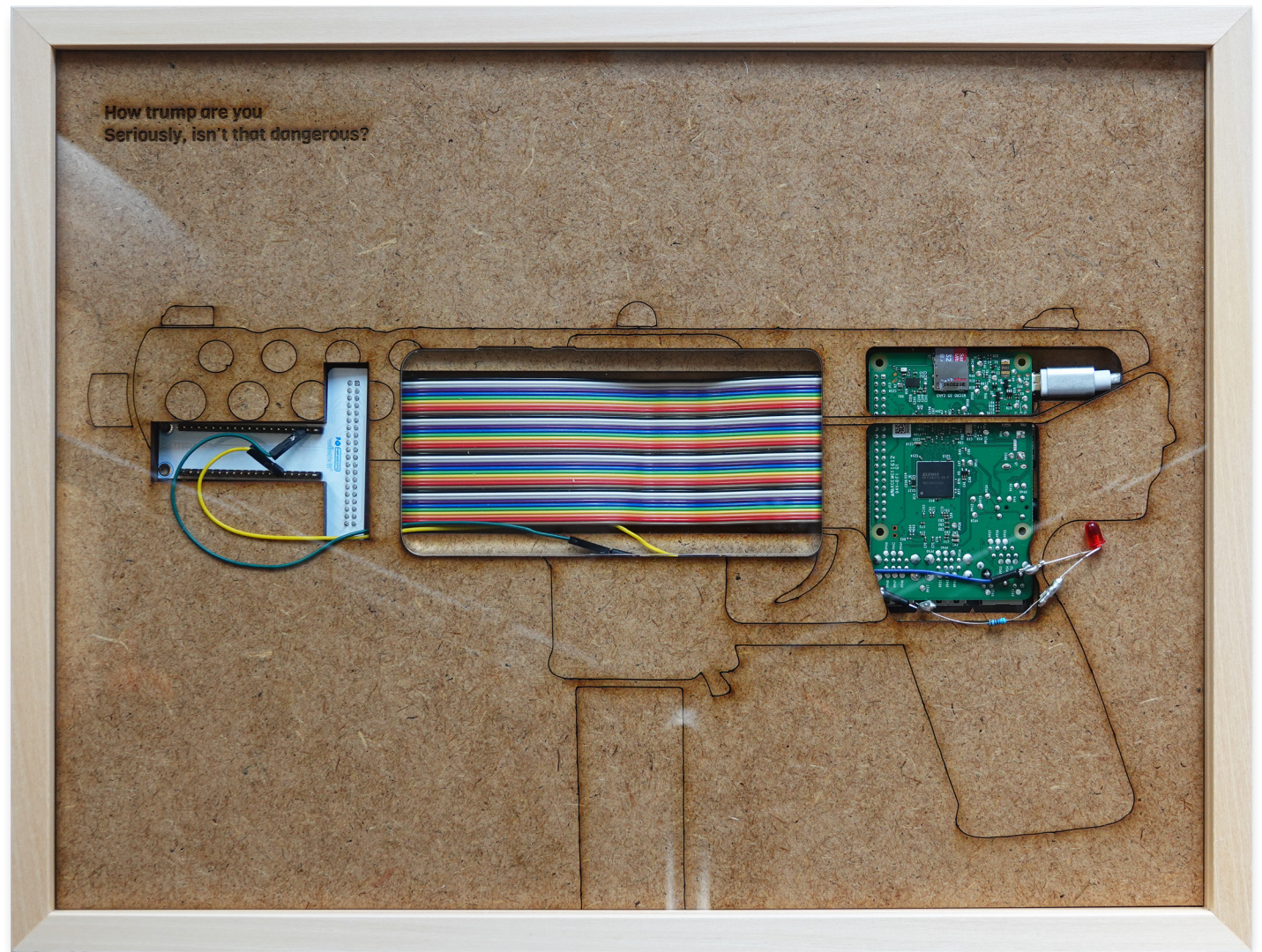
We're looking at a transformation that will tokenize literally everything. What this will mean and what the process will look like exactly is not yet clear, but it is obvious that we will set a new course that will create more profound realities than we can imagine. A new utopia with powerful tools like decentralization, blockchain and other Crypto-Shit. A new wealth system built for a future of equality and new empowerment for all. Does this sound familiar?

TEotFI tells the story on various levels. On the meta-level, the question of digitalization and how we as a society are responding to it is at stake. The series sets clear references at various points in history, the transition from IPv4 to IPv6, the darknet as the dark side of ourselves, the blazing populism, the blockchain as fuel for a new generation, from crypto-shit, tokenization and last but not least the Internet of Things.

The framed assemblages refer in various places to the interfaces that surround us and indicate the underlying processes. However, the viewer is denied access and on closer inspection sees only his mirror image in the transparent surface.



The End of the F***ing Internet, 2019
 acrylic, mdf, raspberry pi
 wires, display
 40 x 30 cm



The End of the F***ing Internet, 2019
led's, raspberry pi, wires, acrylic, mdf
40 x 30 cm



The End of the F***ing Internet, 2019
framed objects, led's, solar panel, wires, acrylic, plastic
sticker, platines, solder tin
40 x 30 cm



The End of the F***ing Internet, 2019
led's, raspberry pi, wires, acrylic,
mdf, silverpaint
20 x 30 cm



CryptoShit, ZHdK Zurich, 2019
Digital Print, Aluminium, MDF
serie of 256 unique tokenized objects
20x20x2cm



CryptoShit, ZHdK Zurich, 2019
Digital Print, Aluminium, MDF
serie of 256 unique tokenized objects
20x20x2cm



back

Tanhua 曇花, Academy of Visual Arts Hong Kong, 2018
3h Performance, viola, plastic ring, plastic bags

<https://vimeo.com/318634898>

<http://www.transculturalcollaboration.com/tanhua/>





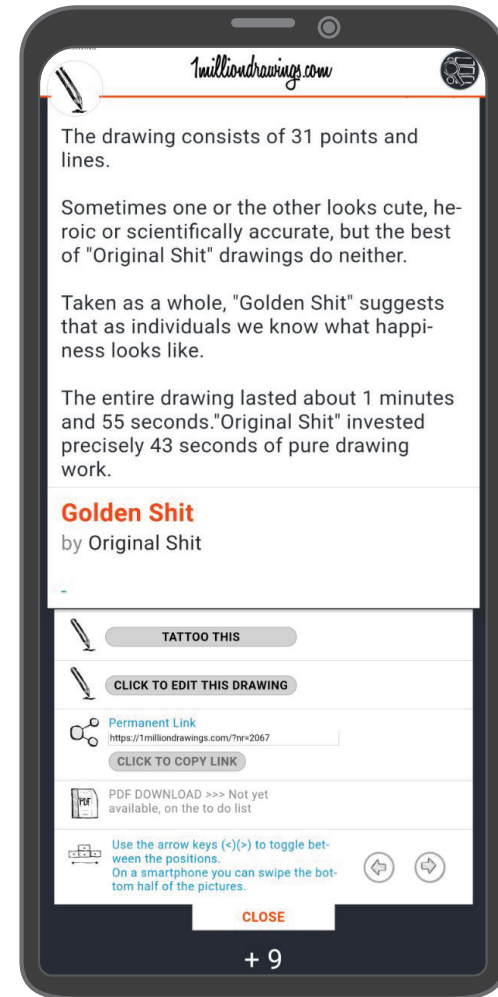
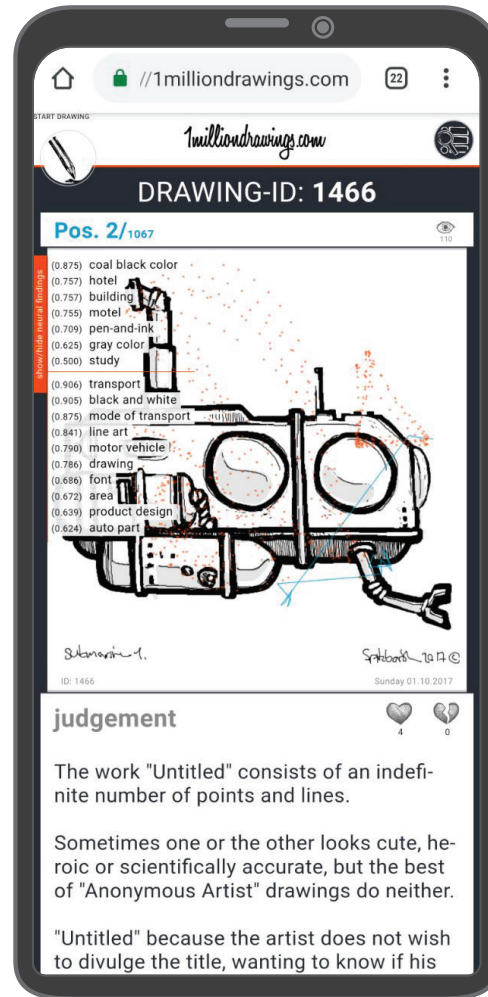
Tanhua 曇花, Academy of Visual Arts Hong Kong, 2018
3h Performance, viola, plastic ring, plastic bags

Mass Prey, MCA (Ming Contemporary Museum) Shanghai, 2018
Installation, plastic balls, garbage slide, cardboard box
<http://www.transculturalcollaboration.com/mass-prey/>

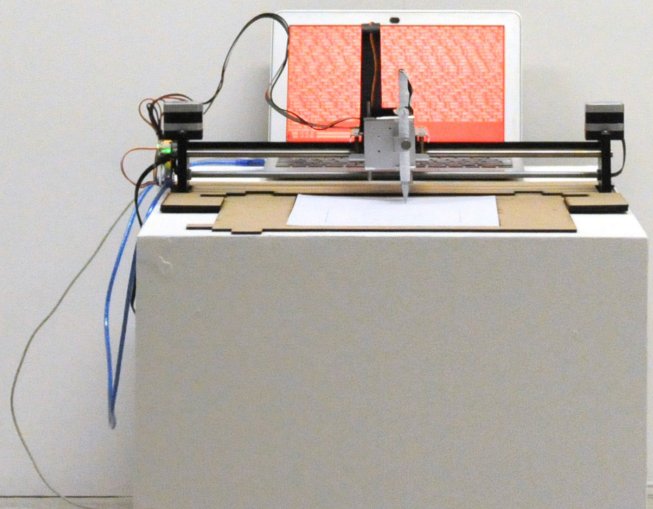




Mass Prey, MCA (Ming Contemporary Museum) Shanghai, 2018
Installation, plastic balls, garbage slide, cardboard box

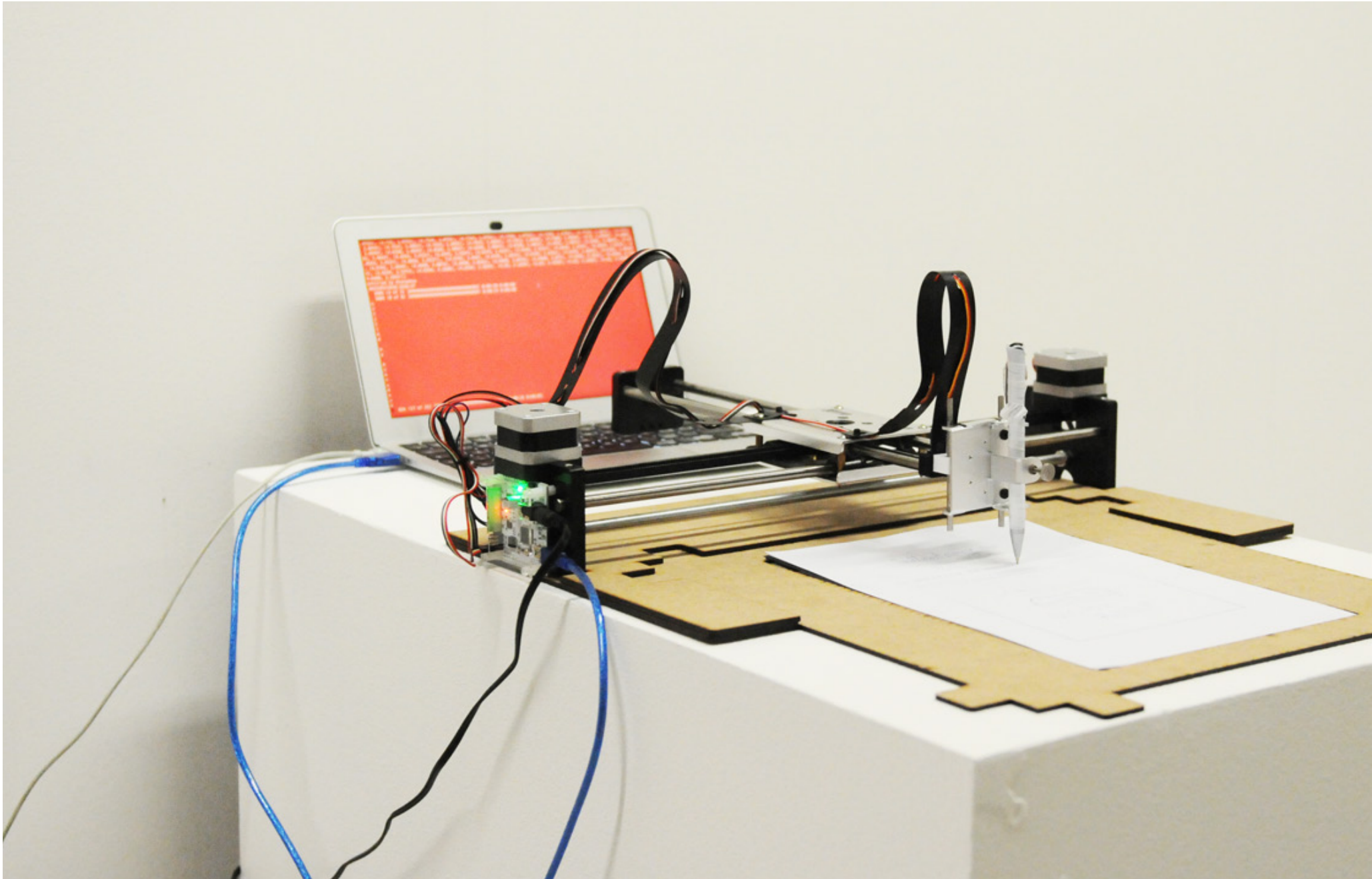


1milliondrawings.com, 2018
web application



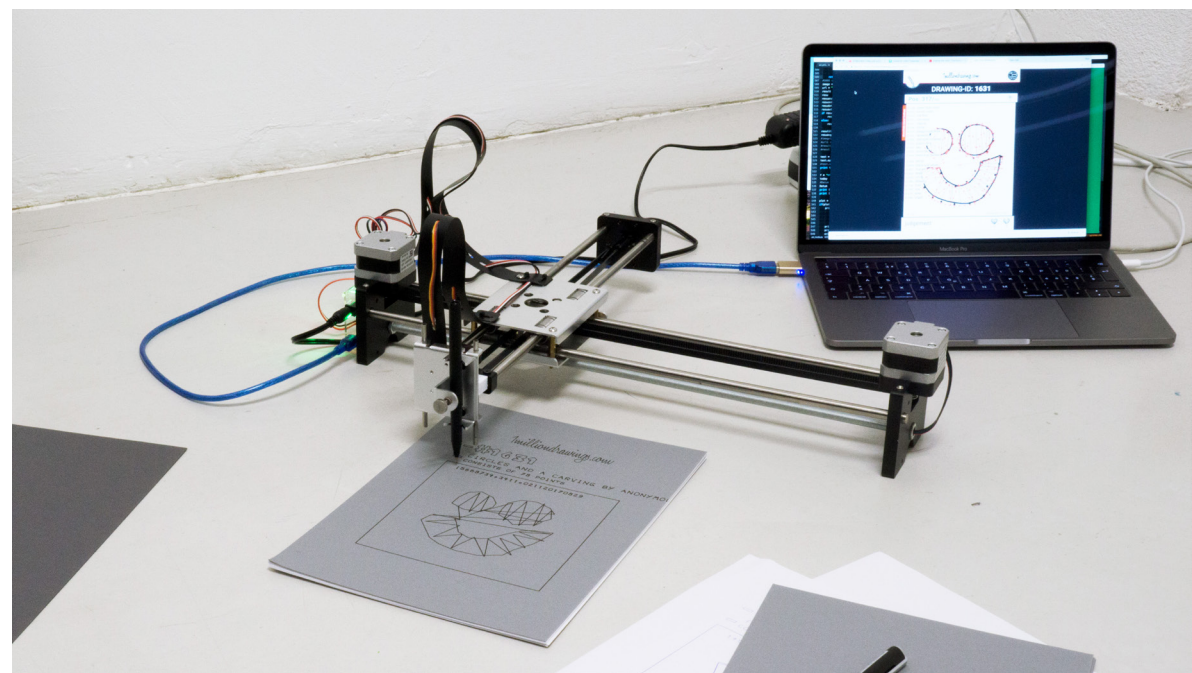
1milliondrawings.com, ZHdK Zurich, 2018
Installation, 2-axis robot, DIN A4
framed serie 30x40cm

1milliondrawings.com, Zurich, 2018
Installation detail



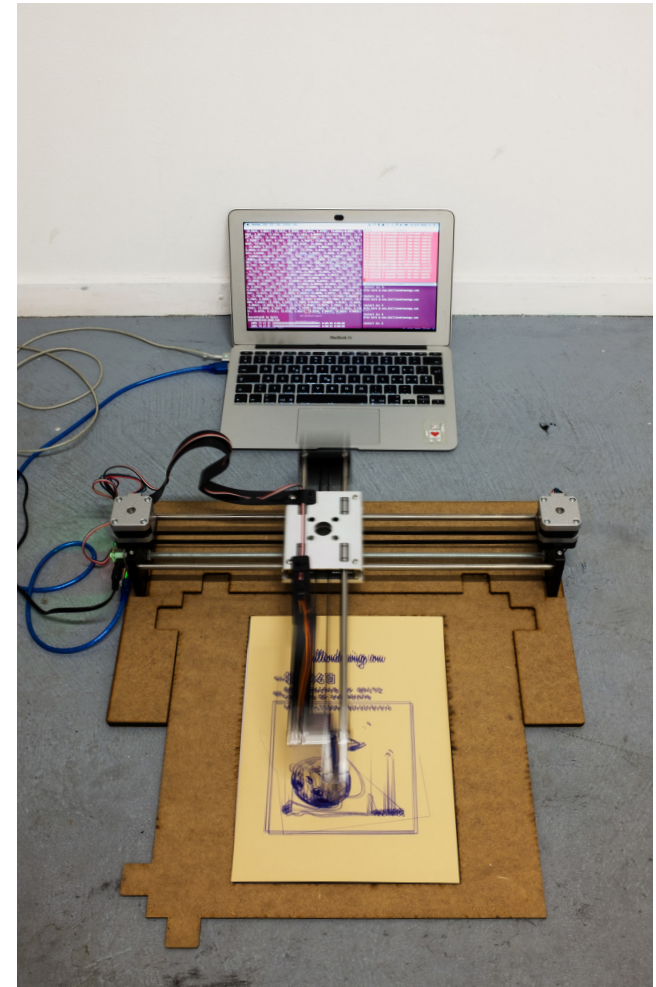


1milliondrawings.com, MuDA (Museum of Digital Art) Zurich, 2018
Installation, 2-axis robot





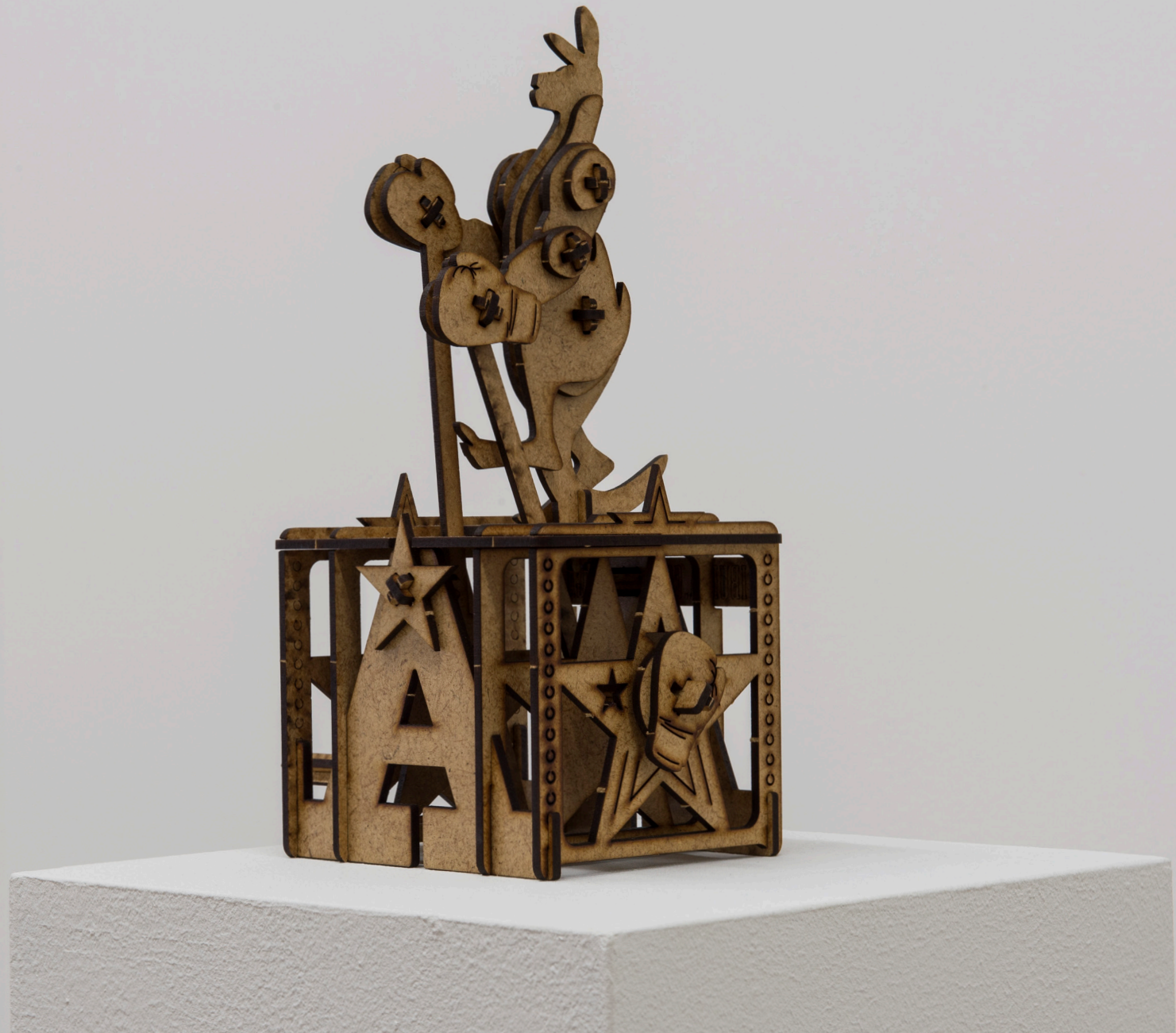
1milliondrawings.com, Besenkammer Zurich, 2018
Installation, 2-axis robot



Installation detail



Fighting Kangaroo, 2017
<https://ibulla.com/kangaroo/kang>



Fighting Kangaroo, Highlights ZHdK, 2017
Object, MDF
155 x 120 x 260mm
unlimited serie



Fighting Kangaroo
Sticker ø65mm

Anleitung und Bilder: ibulla.com/kangaroo

SCHWIERIGKEIT / GESCHICKLICHKEIT: 4/5
 UNTERHALTUNG: 4/5
 HILFSMITTEL: 4/5
 ARTWORK: 4/5
 FIGHTING KANGAROO

0 Benutze das Kangaroo-Tool, um die Teile vorsichtig aus der Platte zu lösen. Zuerst die dunkel Markierten für den Antriebskasten. **START**

1 Antriebskasten: Kurbel zusammenbauen, 8-ung auf die Laufrichtung der Fäuste!

2 Die Wände mit den Sternen auf die Kurbel schieben. 8-ung auf die Ausrichtung der Schlitz. Mit Handkurbel und Endteil abschliessen.

3 Von unten die A-Seiten anbringen. Vorsichtig montieren.

4 Wenn alle Seiten komplett sind, wird der Deckel eingeschoben. 8-ung auf die Fäuste. Den Deckel bündig klopfen. (!)

5 Jetzt wird von der anderen Seite noch die kleine Platte eingeschoben, die beiden Kreuze müssen direkt übereinander liegen.

!! Vor dem Zusammensetzen überlegen, welche Teile wohin gehören !!

6 Kangaroo zusammensetzen, Mittelteil mit Seiten und Beinen verbinden.

7 Arme zusammenstecken, die Unterarme aussen auf die Oberarme legen, 1x links und 1x rechts. (! spiegelgleich!)

8 Arme am Körper befestigen. (! Alle Gelenke locker befestigen, nicht zu eng!)

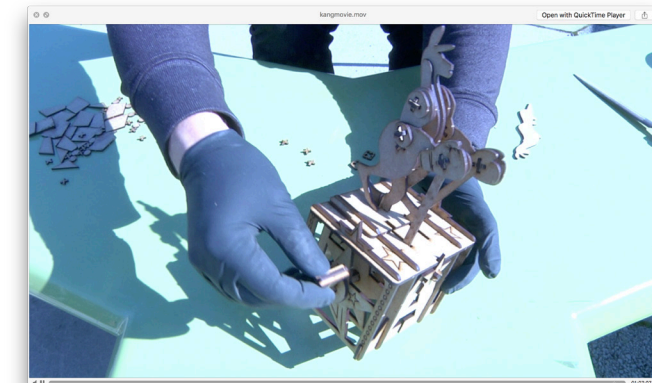
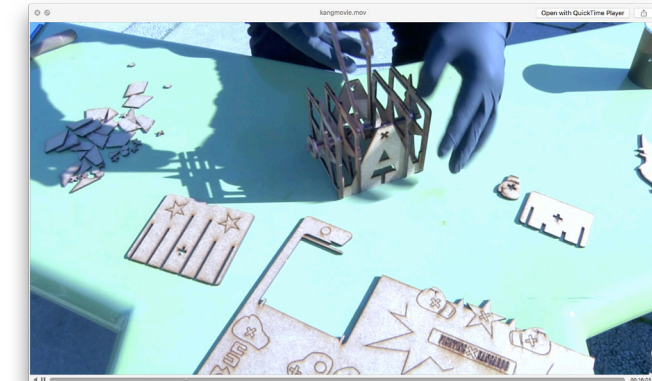
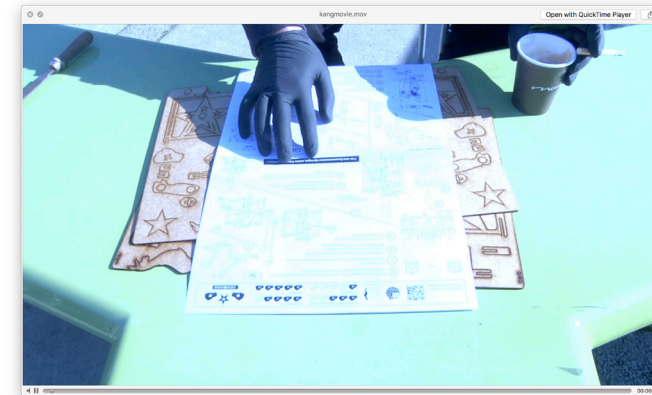
9 Kangaroo auf die Box stecken und die Handschuhe mit dem Antrieb verbinden.

MADE WITH LOVE

IBULLA.COM/KANGAROO

FIGHTING KANGAROO

© Spitzbergh 2017

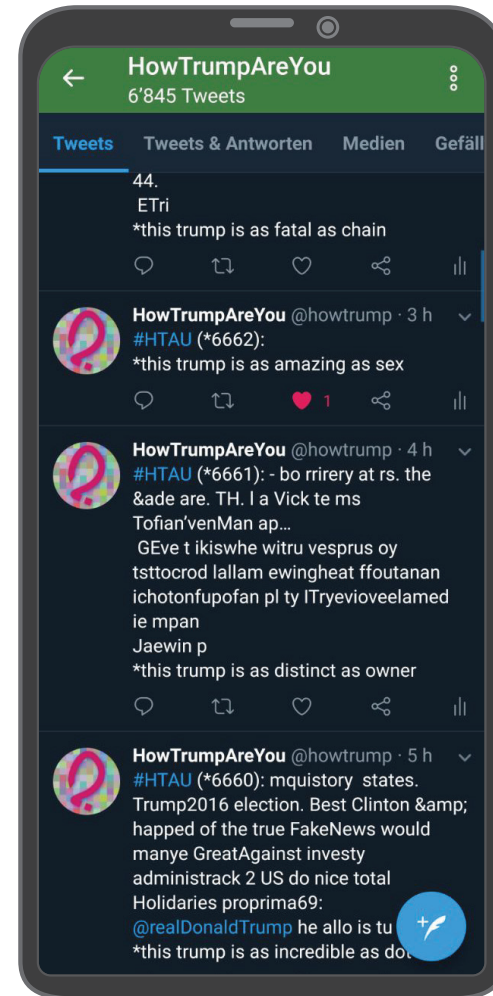
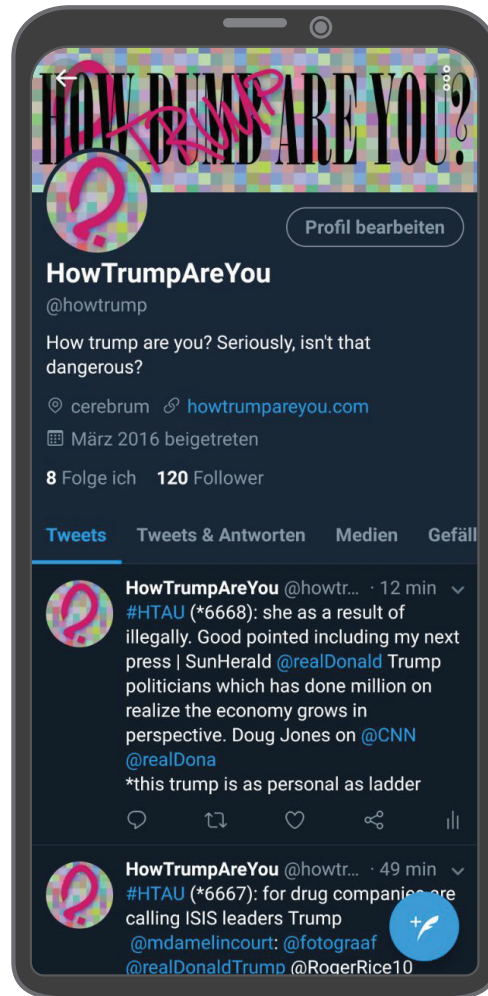
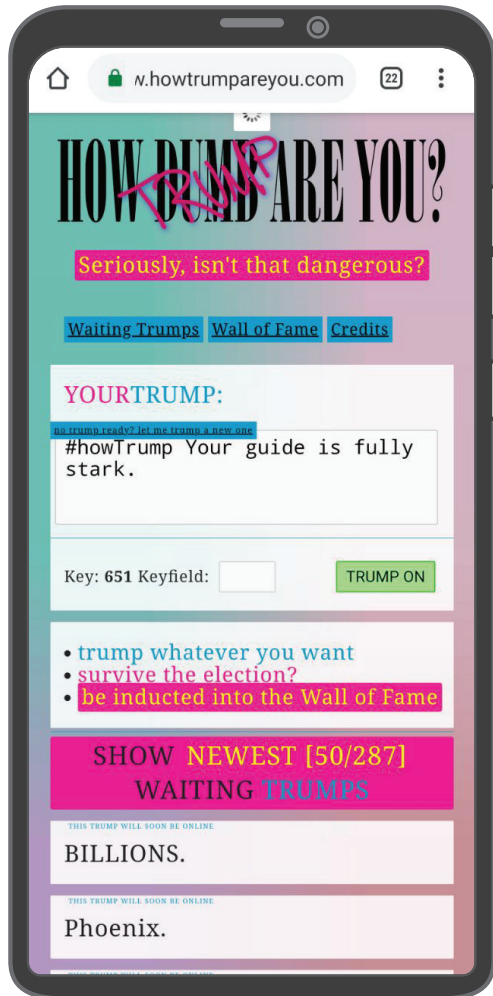


Fighting Kangaroo
3 videostills

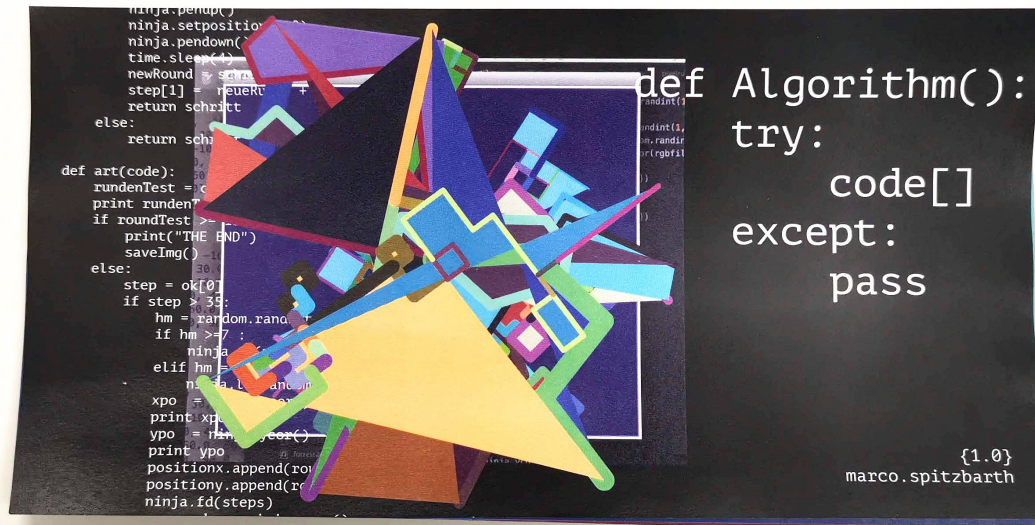
Video 1:07:07

<https://www.youtube.com/watch?v=J9KTwQBv2Gw>

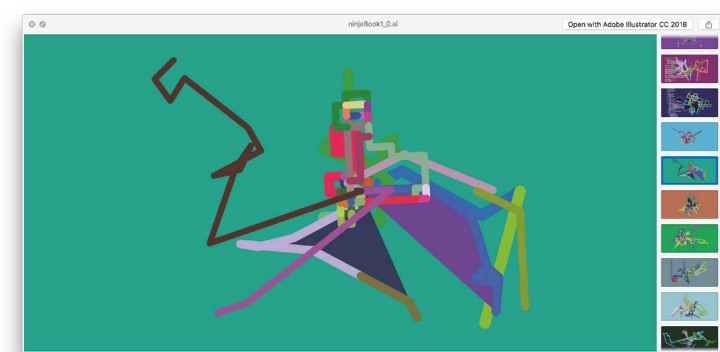
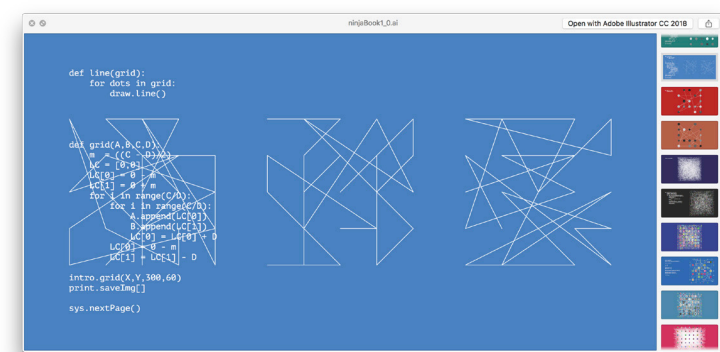
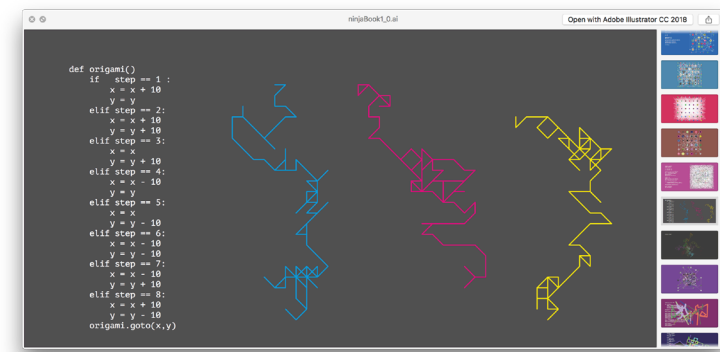
Fighting Kangaroo
Instruction DIN A3

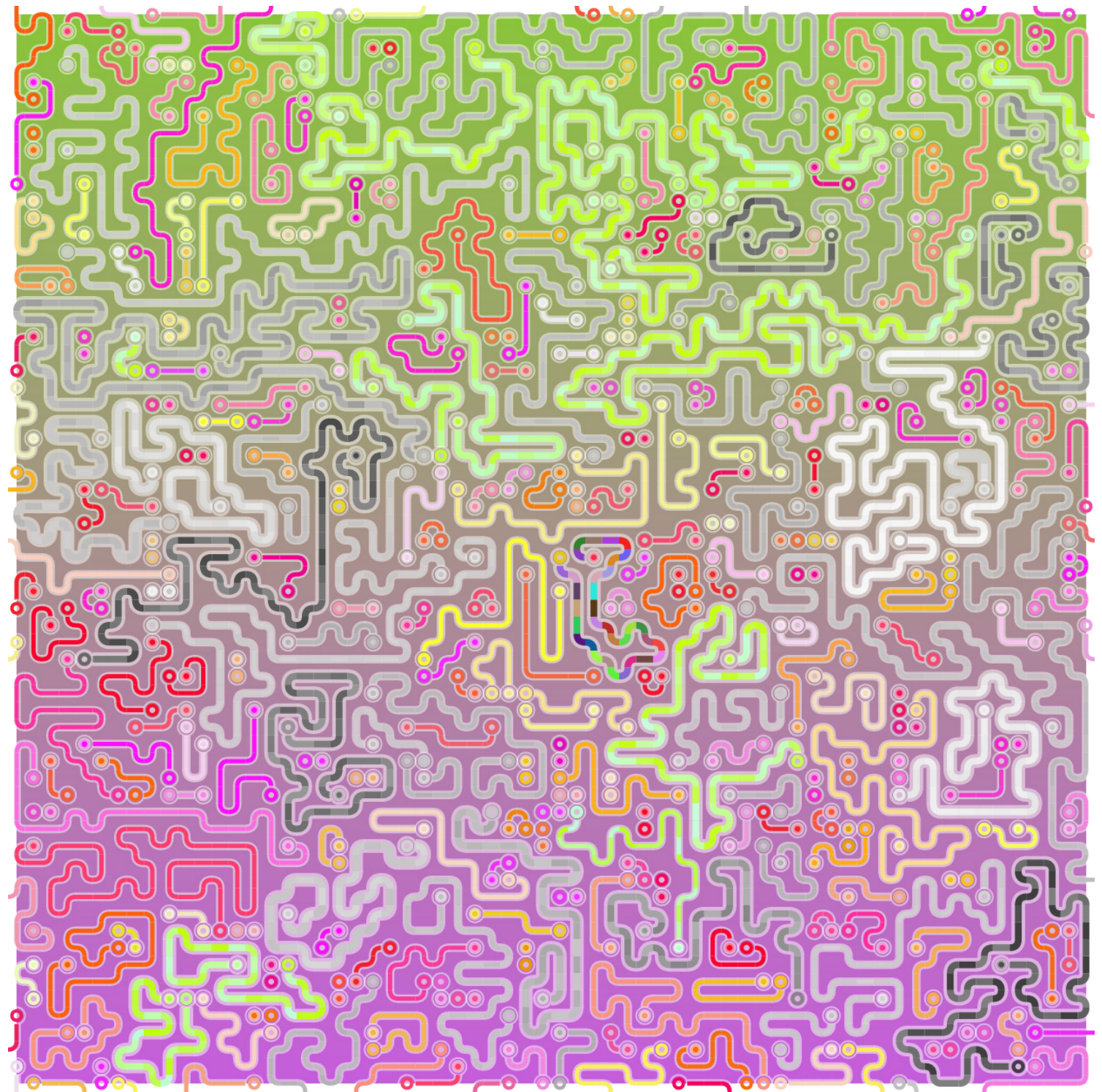


howtrumpareyou.com, 2016
 web application



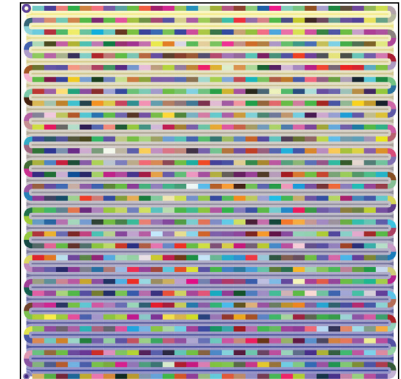
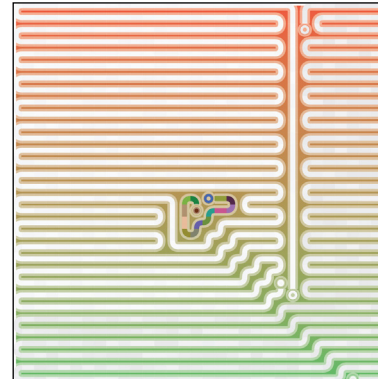
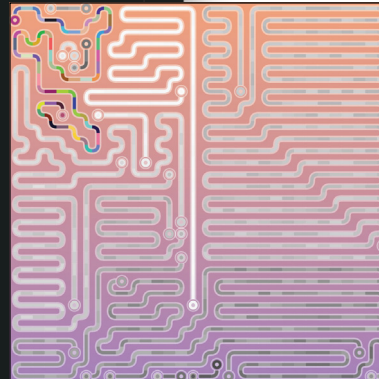
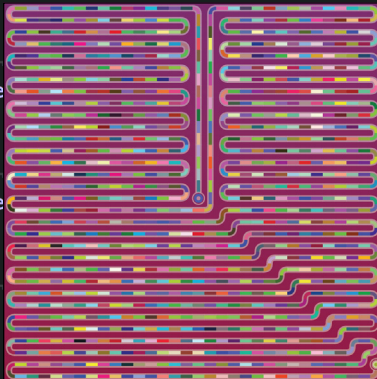
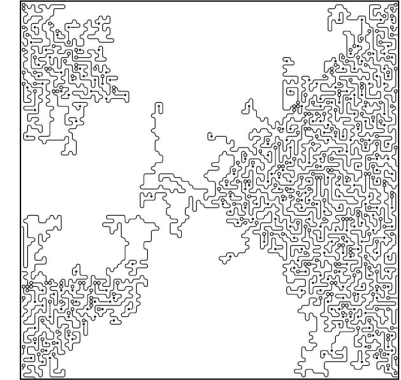
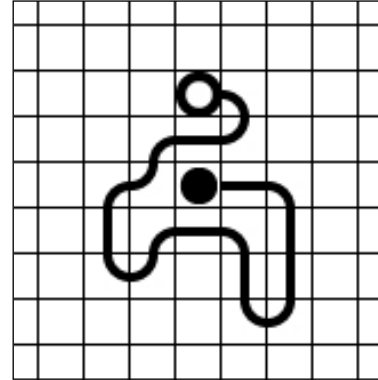
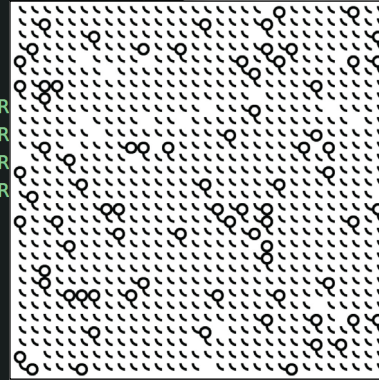
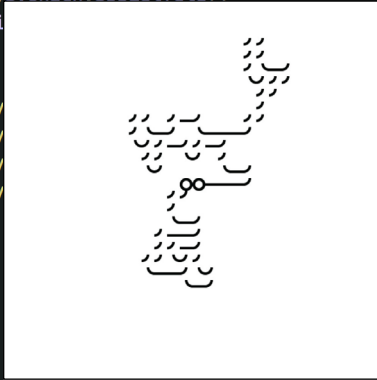
def Algorithm(), 2016
 Digital Booklet, 28 pages,
 4 Preview Screenshots
 free download: https://ibulla.com/wiki/doku.php/art/def_algo



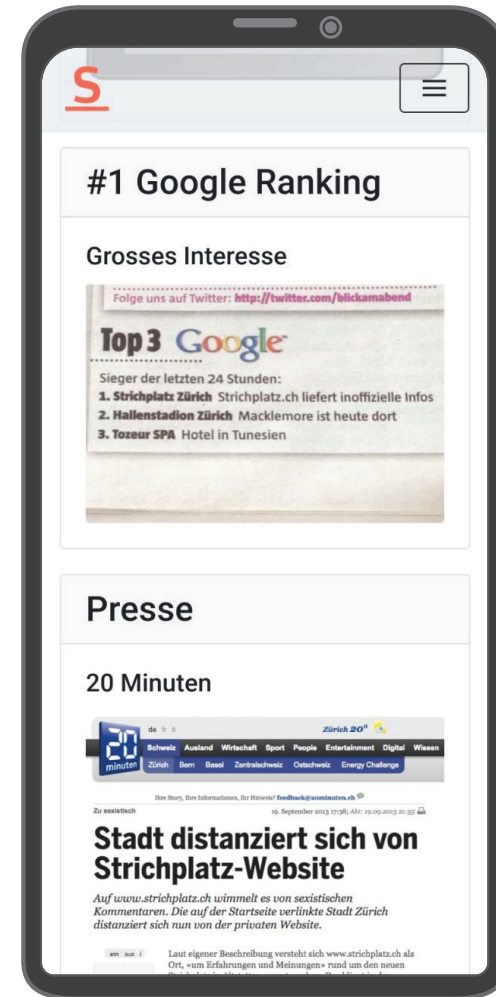
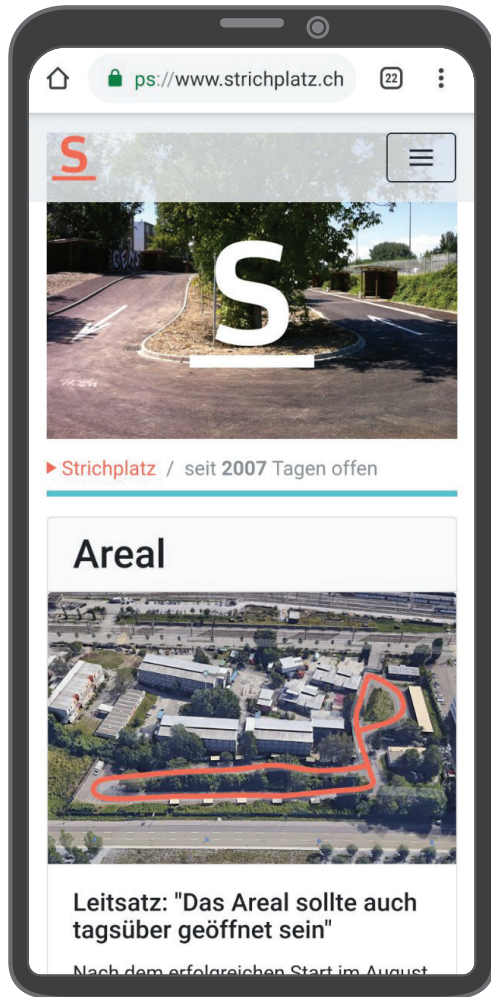


Pixelrun, 2016
Pathfinder-Algorithm, Visualisation


```
pixelrun_chaos.php — ~/Desktop/PIXELRUNNER/website/pixelrun
pixelrun_chaos.php x
224 function richtung($start,$feld,$vonach,$spielfeld){
225 $next = nachbar($spielfeld,$spi
226 $wahl = array(0,0,0,0);
227 $von = substr($vonach, 1);
228 if(($next["0"] != -1) && (array
229 if(($next["R"] != -1) && (array
230 if(($next["U"] != -1) && (array
231 if(($next["L"] != -1) && (array
232 > $auswahl = 0;
233 > if(isset($wahl[0])){$auswahl
234 > if(isset($wahl[1])){$auswahl
235 > if(isset($wahl[2])){$auswahl
236 > if(isset($wahl[3])){$auswahl
237 > sort($wahl);
238 > switch($auswahl){
239 > case 4:
240 > $kleine_wahl = mt_rand(0,3);
241 > $antwort["zahl"] = $wahl[$kleine_wahl];
242 > break;
243 > case 3:
244 > $kleine_wahl = mt_rand(0,2);
245 > $antwort["zahl"] = $wahl[$kle
246 > break;
247 > case 2:
248 > $kleine_wahl = mt_rand(0,1);
249 > $antwort["zahl"] = $wahl[$kle
250 > break;
251 > case 1:
252 > $antwort["zahl"] = $wahl[0];
253 > break;
254 > case 0:
255 > $antwort["zahl"] = -1;
256 > $antwort["vonach"] = $von."X";
257 > break;
258 > }
259 $antwort["vonach"] = $von.array_search($antwort["zahl"], $next);
260 return $antwort;
261 }
262
263 function wurm($start,$feld,$vonach,$spielfeld){
264 unset($feld[$start]);
265 $next = richtung($start,$feld,$vonach,$spielfeld);
266 $neufeld = [[0,$next["zahl"]],[1,$feld],[2,$next["vonach"]]];
267 return $neufeld;
268 }
```

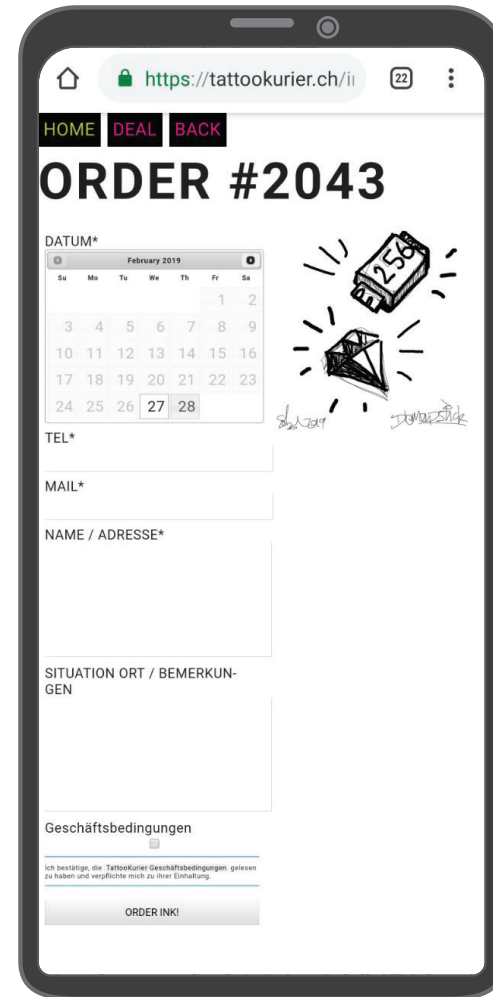


Pixelrun, 2016
Pathfinder-Algorithm, drafts





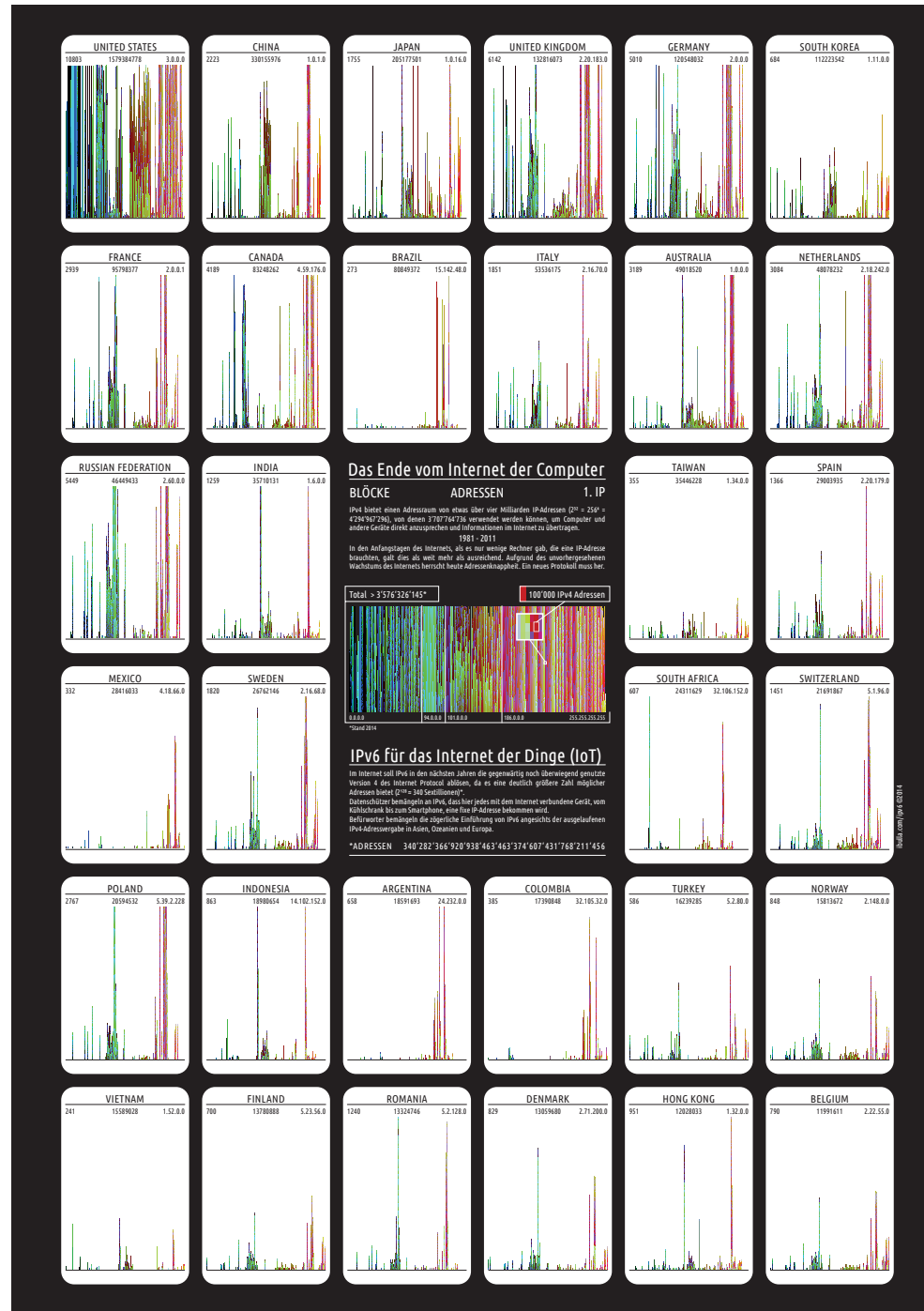
strichplatz.ch, 2016
digital photos
2116 x 3762px





TATTOOKURIER.CH

TattooKurier, 2016
 Poster DIN B2, Ink Jet
 edition of 200 prints
tattookurier.ch

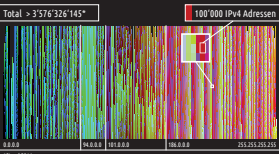


Das Ende vom Internet der Computer

BLÖCKE ADRESSEN 1. IP

IPv4 bietet einen Adressraum von etwa über vier Milliarden IP-Adressen ($2^{32} = 256^4 = 4.294.967.296$), von denen 3707764736 verwendet werden können, um Computer und andere Geräte direkt anzusprechen und Informationen im Internet zu übertragen.

1983 - 2011
In den Anfangstagen des Internet, als es nur wenige Rechner gab, die eine IP-Adresse brauchten, gut dies als weit mehr als ausreichend. Aufgrund des unvorhergesehenen Wachstums des Internets benötigt heute Adressenmengen, die einen Protokollwechsel erfordern.



IPv6 für das Internet der Dinge (IoT)

Im Internet soll IPv6 in den nächsten Jahren die gegenwärtig noch überwiegend genutzte Version 4 des Internet-Protocoll ablösen, da es eine deutlich größere Zahl möglicher Adressen bietet (2^{128} Stellenwertigkeit).

Datenschutzbeauftragte an IPv6, dass hier jedes mit dem Internet verbundene Gerät, vom Kühlschrank bis zum Smartphone, eine feste IP-Adresse bekommen wird.

Beitrag zur Bewältigung der zögerliche Einführung von IPv6 angesichts der ausgelaufenen IPv4-Adressvergabe in Asien, Ozeanien und Europa.

*ADRESSEN 340'282'366'920'938'463'374'607'431'768'211'456

IPv6, 2016
Poster DIN A2, Ink Jet
unlimited edition
ibulla.com/ipv6

CV

Marco Spitzbarth
End of Oktober 1982, Zürich (CH)
Lives, studies and works in Zurich

2019 - Master Transdisciplinarity
Zurich University of the Arts (ZHdK)
2016 - 2019 Bachelor Arts & Media, digitality
Zurich University of the Arts (ZHdK)
2018 Transcultural Collaboration, International Semester
Program in the Arts and Design

Group Exhibitions (selection)

2018 Transcultural Collaboration, Hong Kong
2018 Transcultural Collaboration, Shanghai
2018 Besenkammer, ZHdK
2017 digital markets, MuDa, Zürich
2017 Technopolitics Timeline, Connecting Spaces, Hong Kong
2017 Highlights, ZHdK

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