

Superheroes Still Need Phoneboxes

*The art of making a free phonebox
and the culture of anonymous
communication*

Ben Dalton

twitter: @noii

The image shows two classic red telephone booths standing side-by-side at night. Each booth has a sign at the top that says "TELEPHONE". The booths are illuminated from within, and their reflections are visible on the ground. In the background, there is a building with a sign that says "WILLI" above a glass entrance. The scene is set against a dark, ivy-covered wall. A large, white, italicized text overlay is centered across the image.

What is a phonebox?

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https://commons.wikimedia.org/wiki/File:Lightmatter_phonebooths.jpg

What is a phonebox?

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https://commons.wikimedia.org/wiki/File:Bundesarchiv_B_145_Bild-F088888-0026,_Wittenberg,_Telefonzellen_auf_dem_Marktplatz.jpg

Pseudonymity

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Superman - The Mechanical Monsters (1941) Fleischer Studios

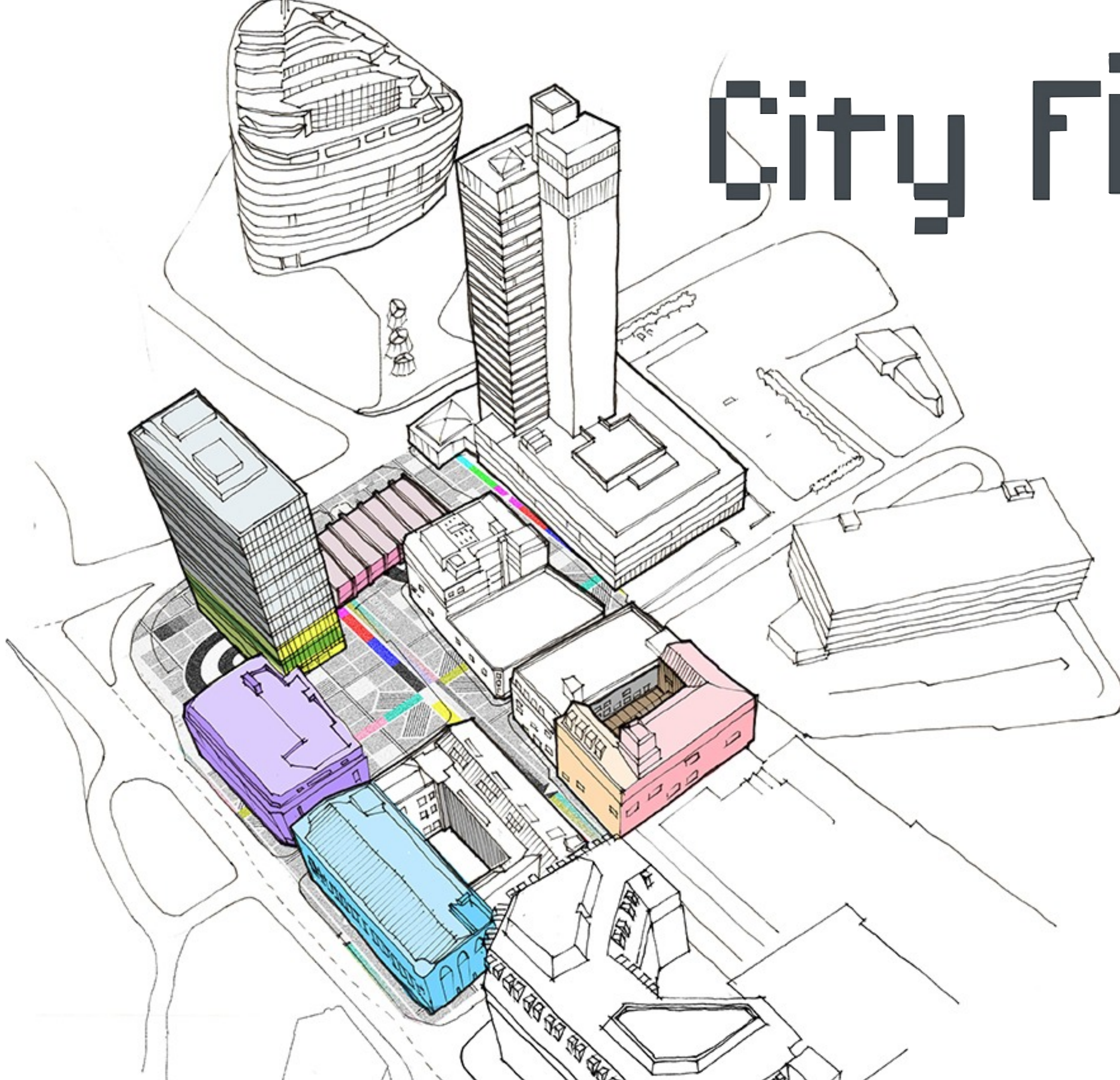
A close-up shot of a person's hands typing on a computer keyboard. The person is wearing a dark long-sleeved shirt. The background is slightly blurred, showing what appears to be a computer terminal or desk area. The overall lighting is somewhat dim, typical of an indoor office or computer room setting from the early 1980s.

Subcultural anonymity

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WarGames (1983) John Badham

City Fictions



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**Future
Everything
Festival**
27 March – 1 April
Manchester
futureeverything.org

Privacy violating social spaces

6 Hij gaat nu het verhaal vertellen
7 refreshments
8 hey, koffie
9 laten we lekker een koppie
koffie drinken.
10 klerelijers
11 but you are Dutch?
12 how do you say it in Dutch?
13 cavia
14 I'm Brabants
15 I have never been there, but I
have heard about it.

Institution: Telecoms



ions
Telecoms #TEL

Salon

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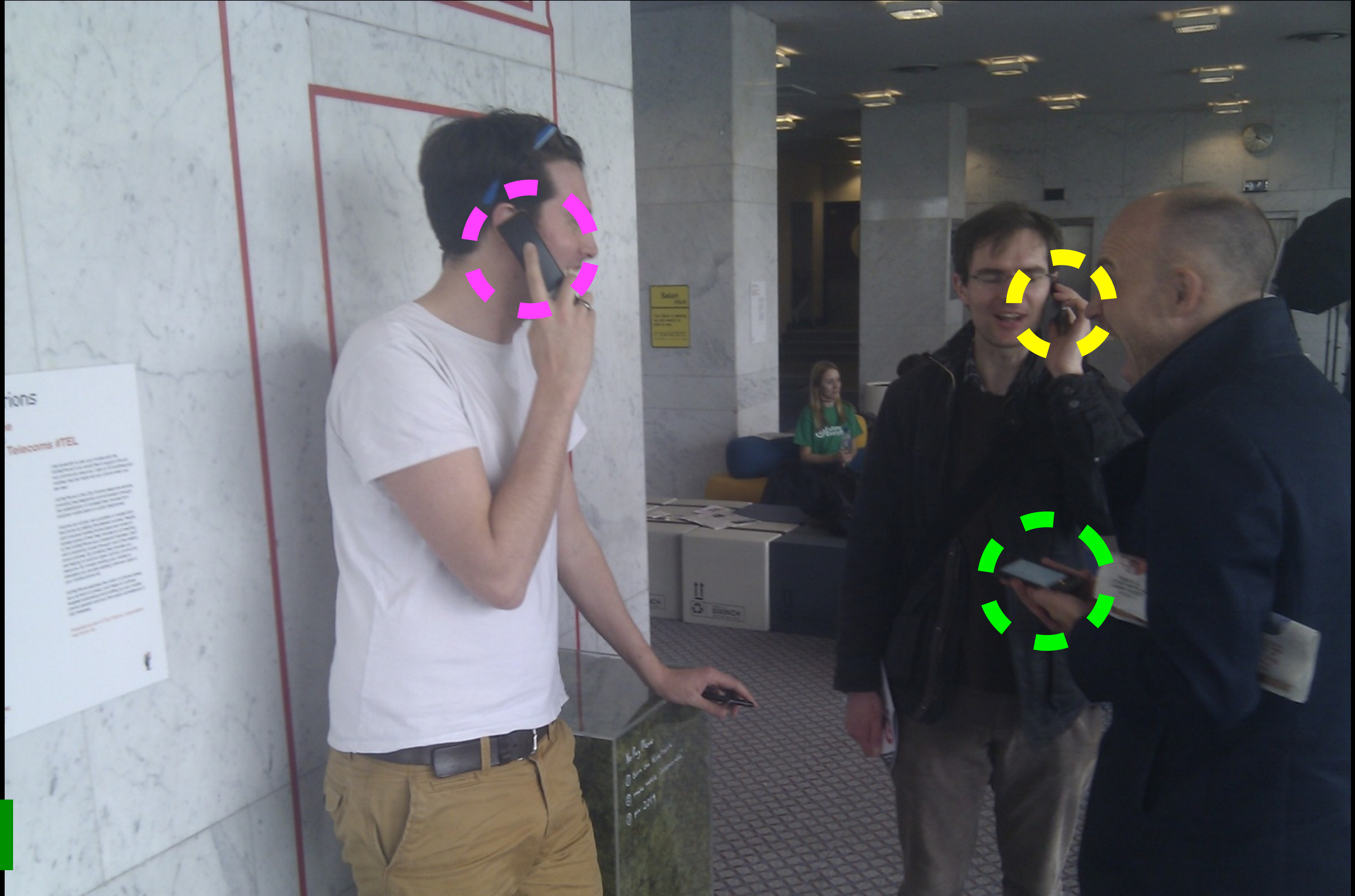




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Hands-Free Profile

- No Pay Phone
- ① turn on bluetooth
 - ② make mobile 'discoverable'
 - ③ pin: 2014

**SPEED PROJECT
APPROVED**
FULL PRODUCTION TIME
 5 min 1 h
 10 min 4 h
 30 min 8 h



~~SPEED PROJECT
APPROVED
FULL PRODUCTION TIME
 5 min 1 h
 10 min 4 h
 30 min 8 h~~



Generic Access Profile

TCS Binary based profiles

Service Discovery
Application Profile

Cordless
Telephony Profile

Intercom Profile

Serial Port Profile

Dial-up Networking
Profile

Fax Profile

Headset Profile

Hands-Free Profile

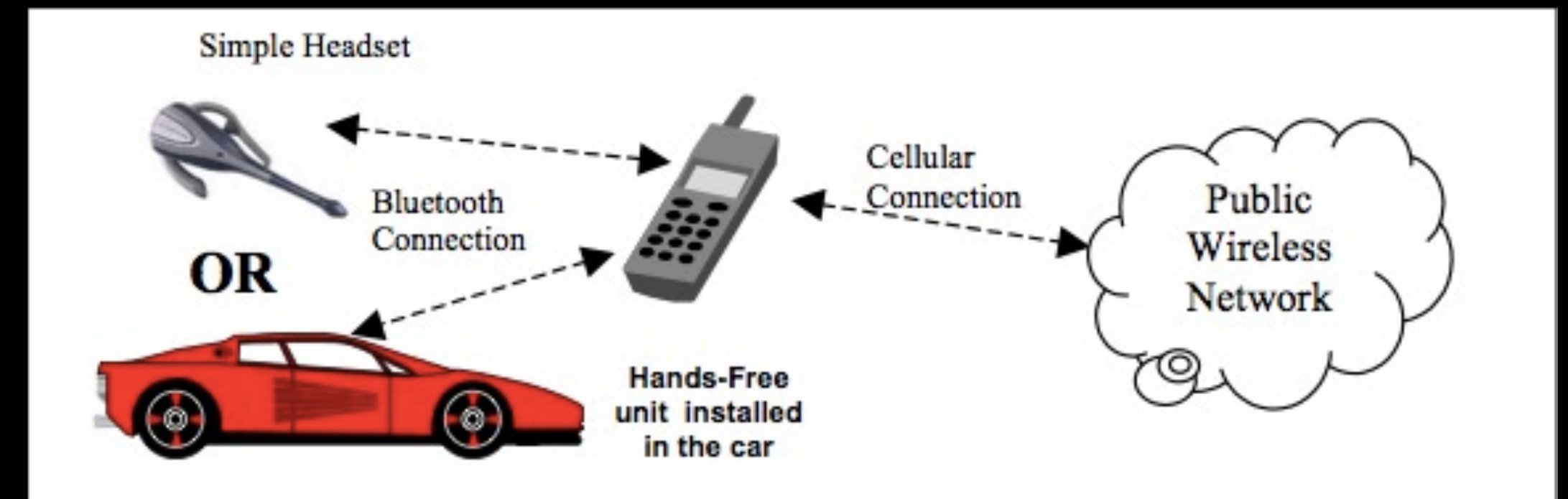
Generic Object Exchange Profile

File Transfer
Profile

Object Push Profile

Synchronization
Profile

SIM Access Profile



Debian Wheezy (7.4)

BlueZ (4.99)

dbus



BlueZ

Official Linux Bluetooth protocol stack

*No Hands – GPLv2
implementation of Bluetooth
Hands-Free Profile (1.5) server
for Linux*

*created by samr7 (Sam
Revitch)*

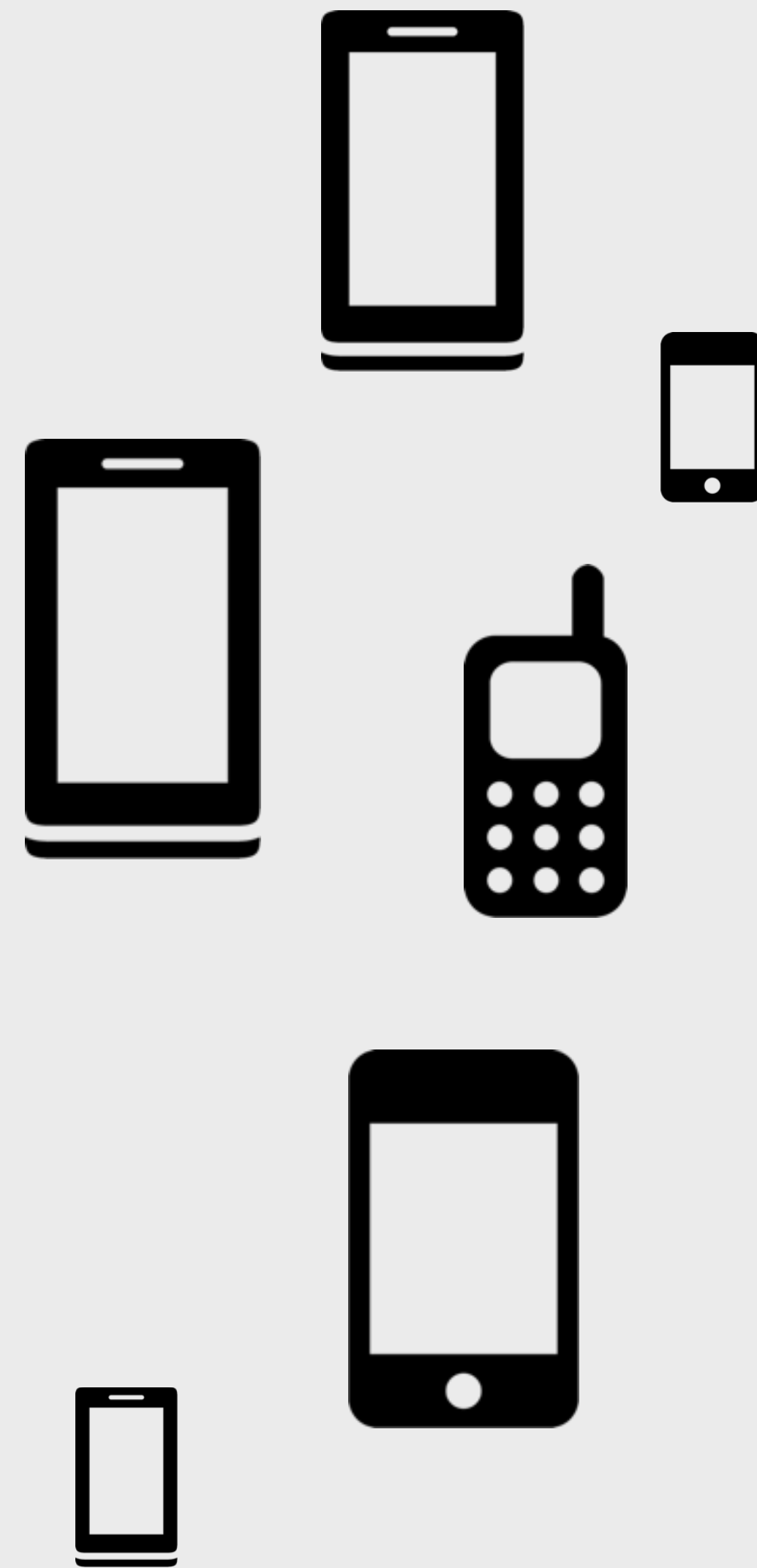
*fork on github by heinervdm
(Thomas Zimmermann)*


*additional notes from John
Tapsell*





Hardware








Bluetooth SCO Test
AndyPanda - 7 August 2013

OGO!   12:10

 BluetoothSCOTest

INFO | PLAYBACK | CAPTURE

Supports use of SCO for off call:
YES

A2DP audio routing to the
Bluetooth headset: NO

Is Bluetooth SCO in use now: NO

```
#!/usr/bin/python
import struct
import dbus
import time
```

```
#set up yealink_P10D symlink to /dev/hidraw1 using udev rules
inputDevice = "/dev/yealink_P10D"
inputEventFormat = 'xBxxxxxB'
inputEventSize = 8
```

```
#raw output from ip usb phone mapped to numbers on the phone
keyMapping = {0:1,1:2,2:3,5:4,6:5,7:6,10:7,11:8,12:9,16:0}
dialCodes = {"01","02","03","07"}
```

```
# Jersey, Guernsey and Isle of Man and 07 non-mobile and call forwarding services
```

```
blacklist={"07744","07755","070","076",
"01481","077008","079240","01534","077810","079241","01624","077811","079242","07624",
"077812","079243","074184","077813","079244","074520","077814","079246","074521","077815",
"079247","074522","077816","079248","074523","077817","079249","074524","077818","079370",
"074525","077819","079371","074526","077977","079372","074576","077978","079373","075090",
"077979","079374","075091","078297","079375","075092","078298","079376","075093","078299",
"079377","075094","078391","079378","075095","078392","079379","075096","078397","075097",
"078398","077003","079111","077007","079117",
"074060","074409","074653","075718","078220","079110","074061","074410","074655","075890",
"078221","079112","074062","074411","075200","075891","078222","079118","074063","074412",
"075201","075892","078224","079245","074064","074414","075203","075893","078225","079780",
"074065","074415","075204","075898","078226","079781","074066","074417","075205","075899",
"078227","079782","074067","074418","075207","077000","078229","079783","074068","074419",
"075208","077001","078644","079784","074069","074515","075209","077442","078722","079785",
"074171","074516","075370","077443","078727","079786","074172","074517","075373","077444",
"078730","079787","074176","074572","075375","077445","078744","079789","074177","074574",
"075376","077446","078745","074179","074577","075377","077447","078922","074181","074578",
"075378","077448","078925","074182","074579","075379","077449","078930","074185","074580",
"075590","077530","078931","074186","074581","075591","077552","078933","074188","074582",
"075592","077553","078938","074390","074583","075593","077554","078939","074391","074584",
"075595","077555","074588","075597","075598","075599","075710"}
```

```
DBUS_SERVICE_NAME = 'org.freedesktop.DBus'
DBUS_INTERFACE_DBUS = 'org.freedesktop.DBus'
DBUS_INTERFACE_PROPERTIES = 'org.freedesktop.DBus.Properties'
DBUS_BUS_OBJECT = '/org/freedesktop/DBus'
HFPD_HANDSFREE_INTERFACE_NAME = 'net.sf.nohands.hfpd.HandsFree'
HFPD_SOUNDIO_INTERFACE_NAME = 'net.sf.nohands.hfpd.SoundIo'
HFPD_AUDIOGATEWAY_INTERFACE_NAME = 'net.sf.nohands.hfpd.AudioGateway'
HFPD_SERVICE_NAME = 'net.sf.nohands.hfpd'
HFPD_HANDSFREE_OBJECT = '/net/sf/nohands/hfpd'
HFPD_SOUNDIO_OBJECT = '/net/sf/nohands/hfpd/soundio'
```

```
bus = dbus.SessionBus()
```

```
busctl = dbus.Interface(bus.get_object('org.freedesktop.DBus','/org/freedesktop/
DBus'),dbus_interface='org.freedesktop.DBus')
```



Social system

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The Apartment (1960) Billy Wilder

Power

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La cabina (1972) Antonio Mercero

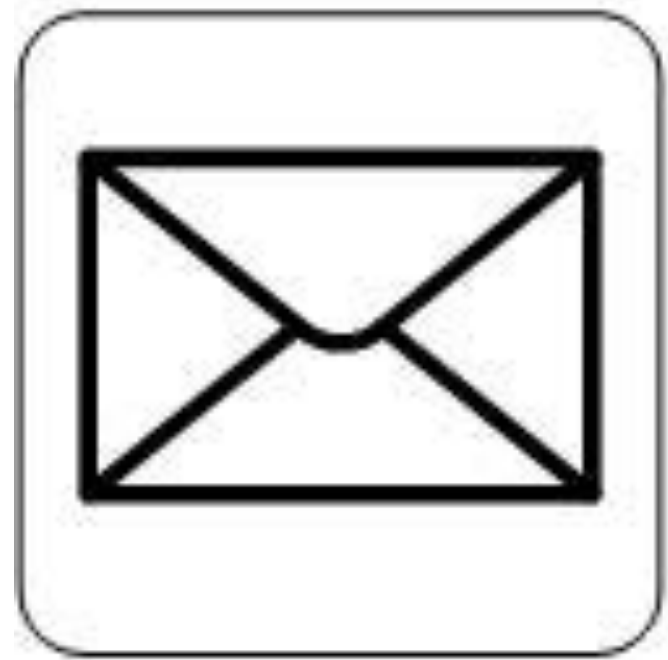




Caller benefits

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Hackers (1995) Iain Softley



Remailer



Donor benefits

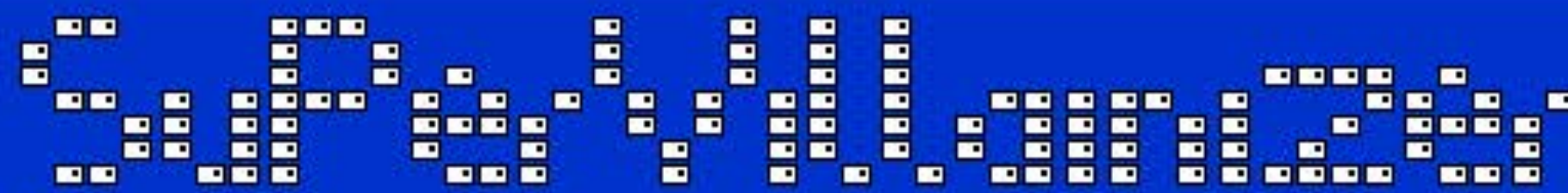


Chaff



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https://commons.wikimedia.org/wiki/File:Giant_Wurzburg_Display_-_Window_Effect.jpg



Conspiracy Client V 0.9



Beta

Launch the SuPer Villainizer Conspiracy Client V 0.9 Beta

create a conspiracy of your own! become a supervillain!!!
(most recent Flash Player is needed to view this site).

Participate

Manual

About the Project

in German

Since and even well before the 11th of September laws have been passed in the United States and in Europe, that permit certain nations to keep all e-mail traffic under close surveillance. This has also happened in Switzerland. For more than a year now (feb. 03) providers have been ordered by a decree to store all e-mail and other internet data for six months. SuPerVillainizer is a project aimed at ridiculing the notions of "the enemy" or the "bad guy" that these data retention surveillance scenarios are based on.

SuPerVillainizer is a project that allows you to create and escape from the "bad guy" role. You can create a conspiracy with your own email accounts, at a mass provider, using them to communicate, and then watching as the villainizer starts to automatically communicate with each of the sites. SuPerVillainizer generates a conspiracy contact, illustrating the carefully planned surveillance system with more and more disturbing mails.

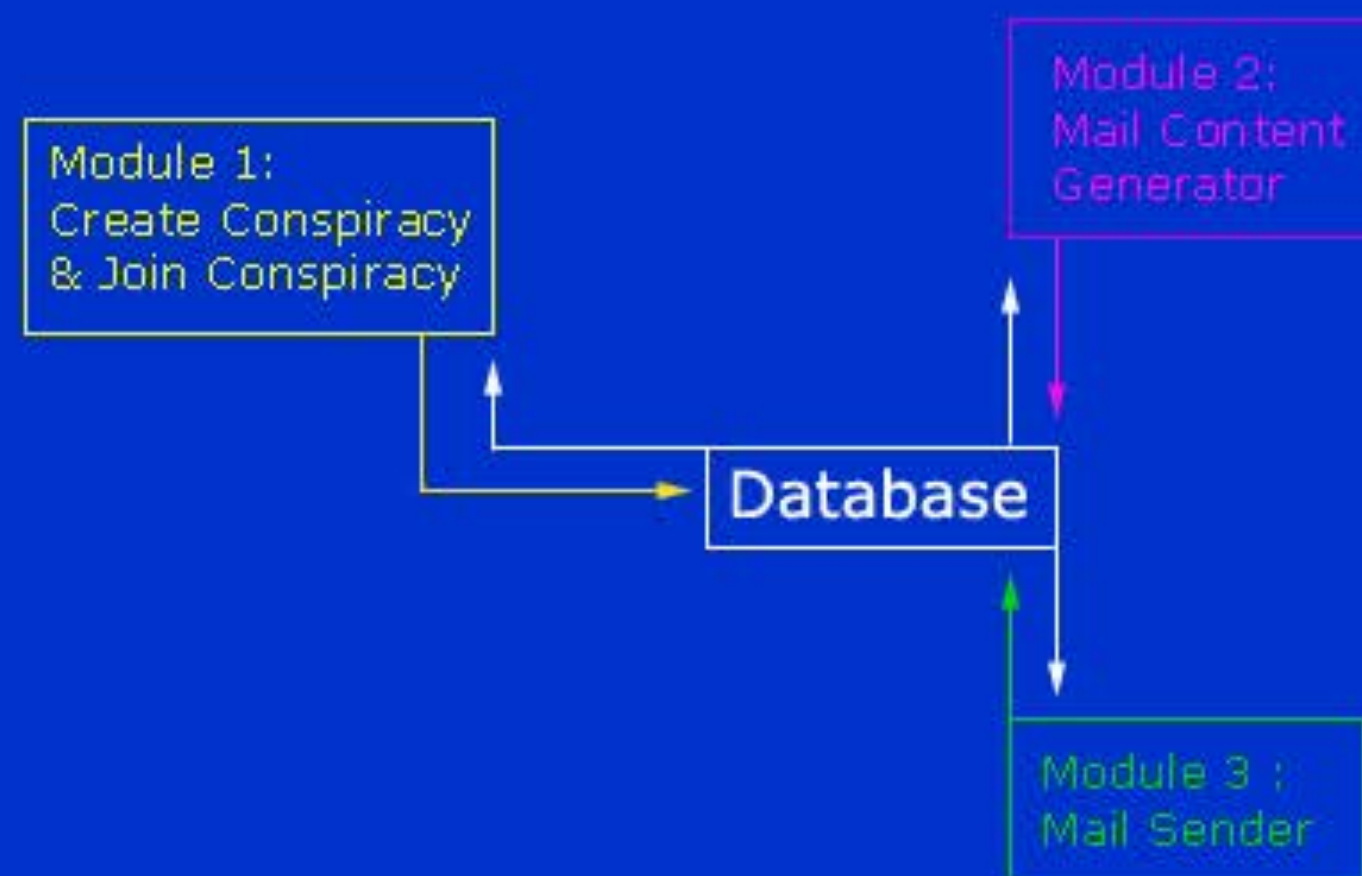
—> more

Statistics

Total mails sent	205146
Mails sent today	3443
Total conspiracies	1137
Total villains	1345
Total accounts	3381
Top 10 Villains	>go!
Top 10 Conspiracies	>go!
Daily Mail Count	>go!

Technology

(click on image-map to get the details / sources)



Tshirt



Credits

Get a List of Open Source Software used in this project > here

Press

Some Articles about SuPerVillainizer

german
heise.de >go

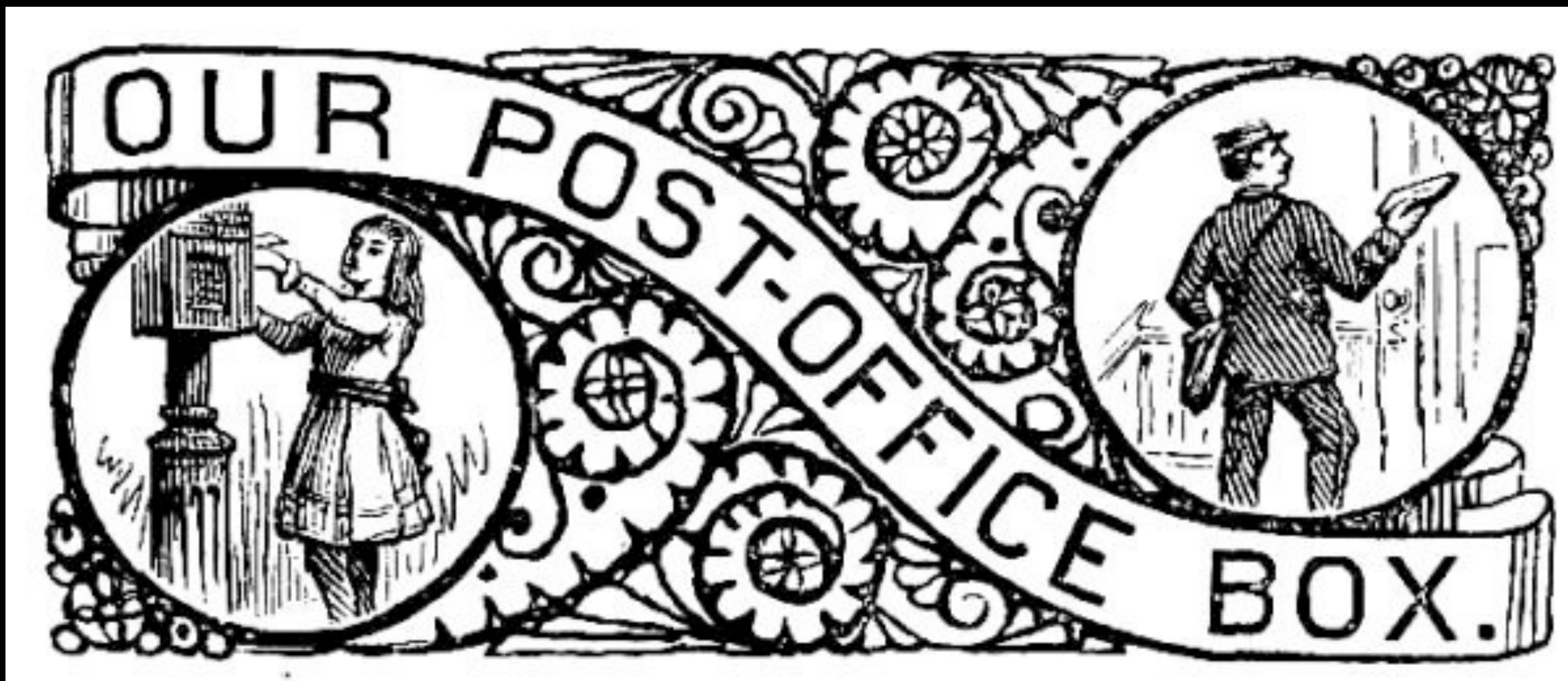
Algorithmic data chaff

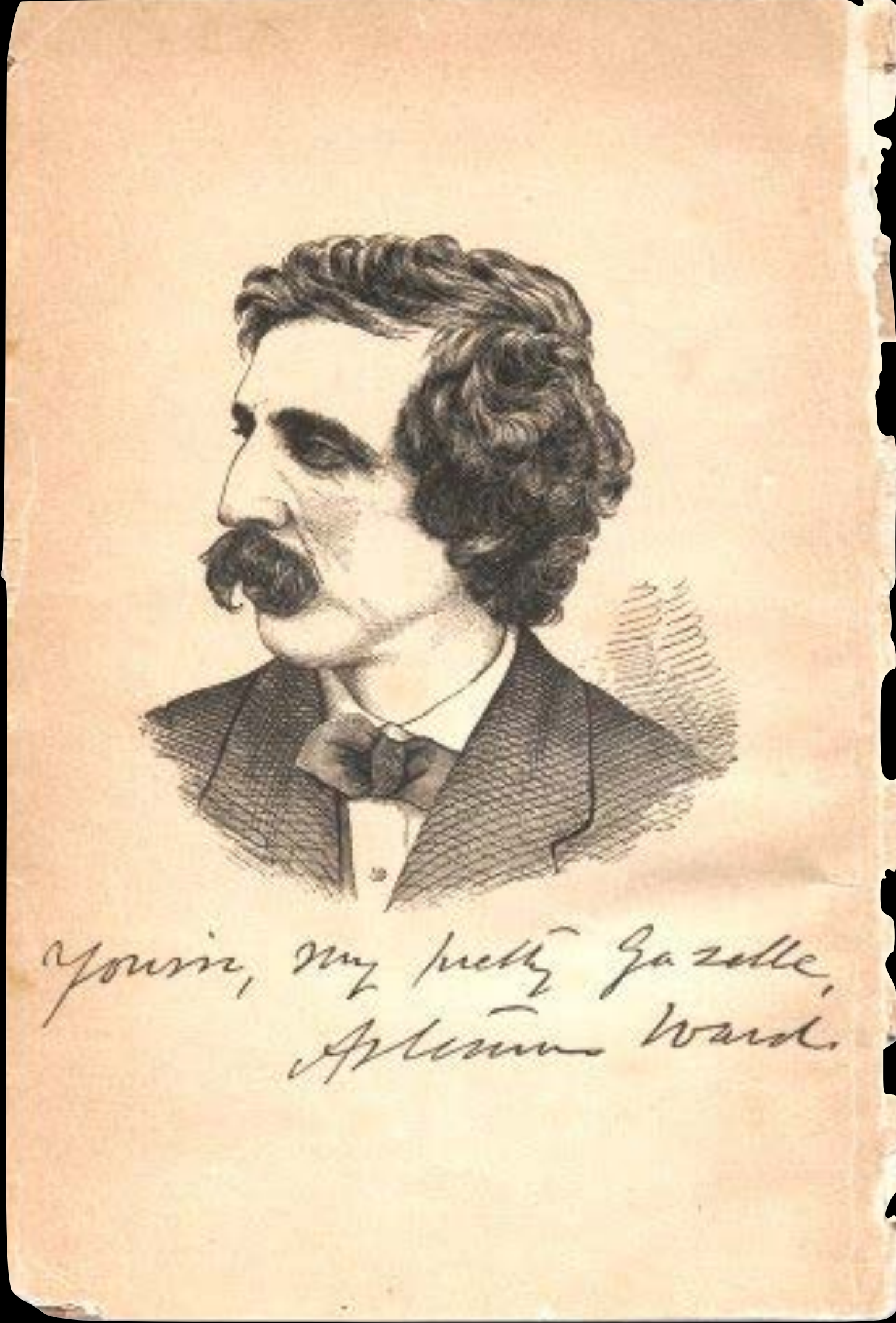
THE NTK/MUTE FESTIVAL OF INAPPROPRIATE TECHNOLOGY

EXTREME COMPUTING



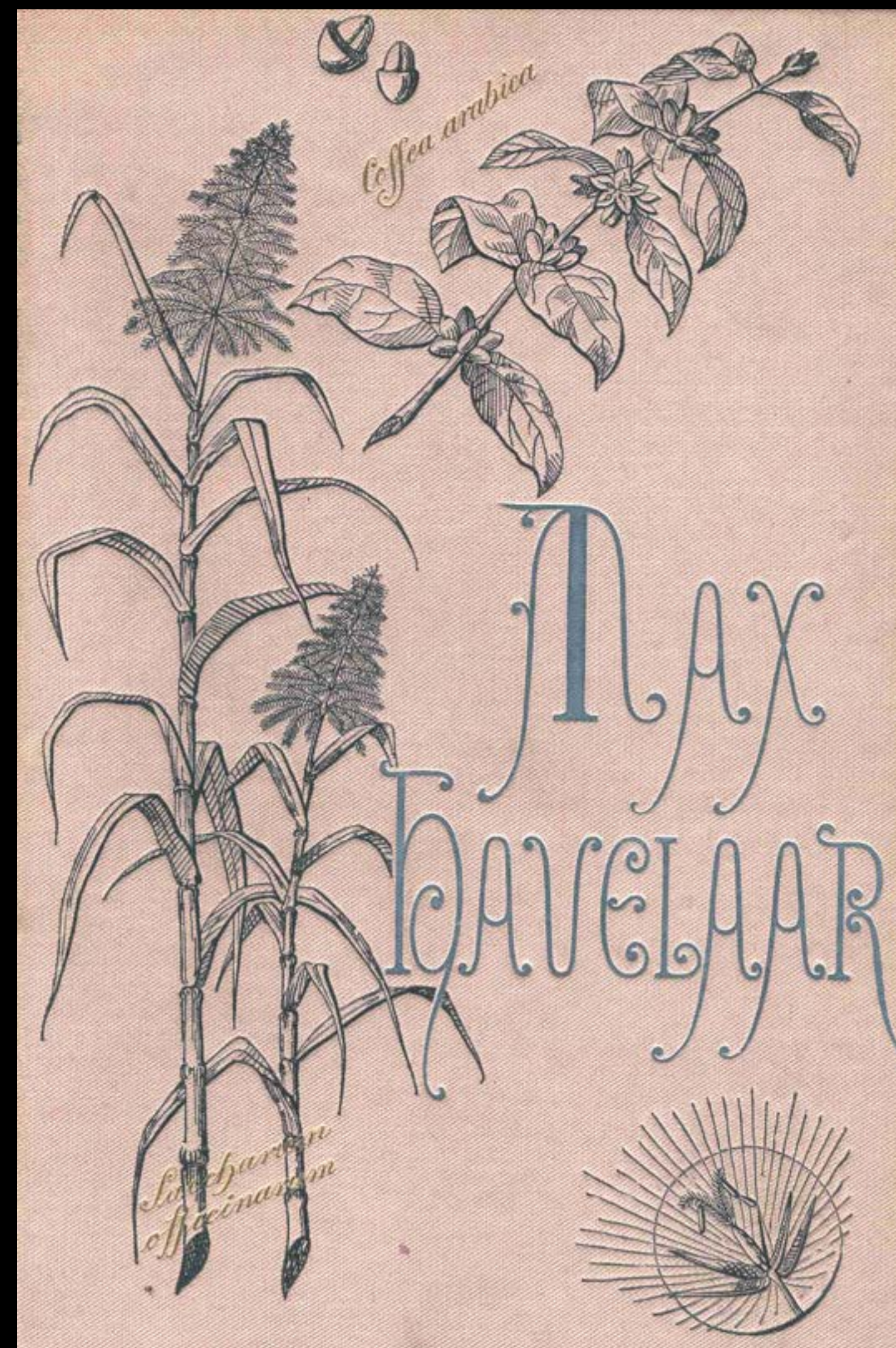
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Critique

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Creativity



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https://en.wikipedia.org/wiki/Nicolas_Bourbaki



India Knight ✓
@indiaknight



Follow

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Reply Retweet Favorite More

4
RETWEETS

7
FAVORITES



12:09 AM - 11 Jul 13

A photograph of a prison hallway. In the center, a soldier in camouflage and a black beret is walking away from the camera, carrying a person on a stretcher. To the right, another soldier in a dark jacket and camouflage pants stands near a row of metal cages. A brown dog is running towards the soldier with the stretcher. The hallway has a green wall and a light-colored floor. The word "Whistleblowing" is overlaid in large white text across the middle of the image.

Whistleblowing

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https://en.wikipedia.org/wiki/Abu_Ghraib_torture_and_prisoner_abuse

*“Get a dedicated computer ... pay cash ... Leave your cellphone, your normal computer, and your metro card at home ... Then go to a coffee shop that has open Wi-Fi, and once there open a new Gmail account that you will only use to contact the press and only from the dedicated computer.” –
Wired 2013, How to Leak to the Press*



Gediminas Urbonas

Well designed public space.



Demonisation

PAEDOPH ISLES

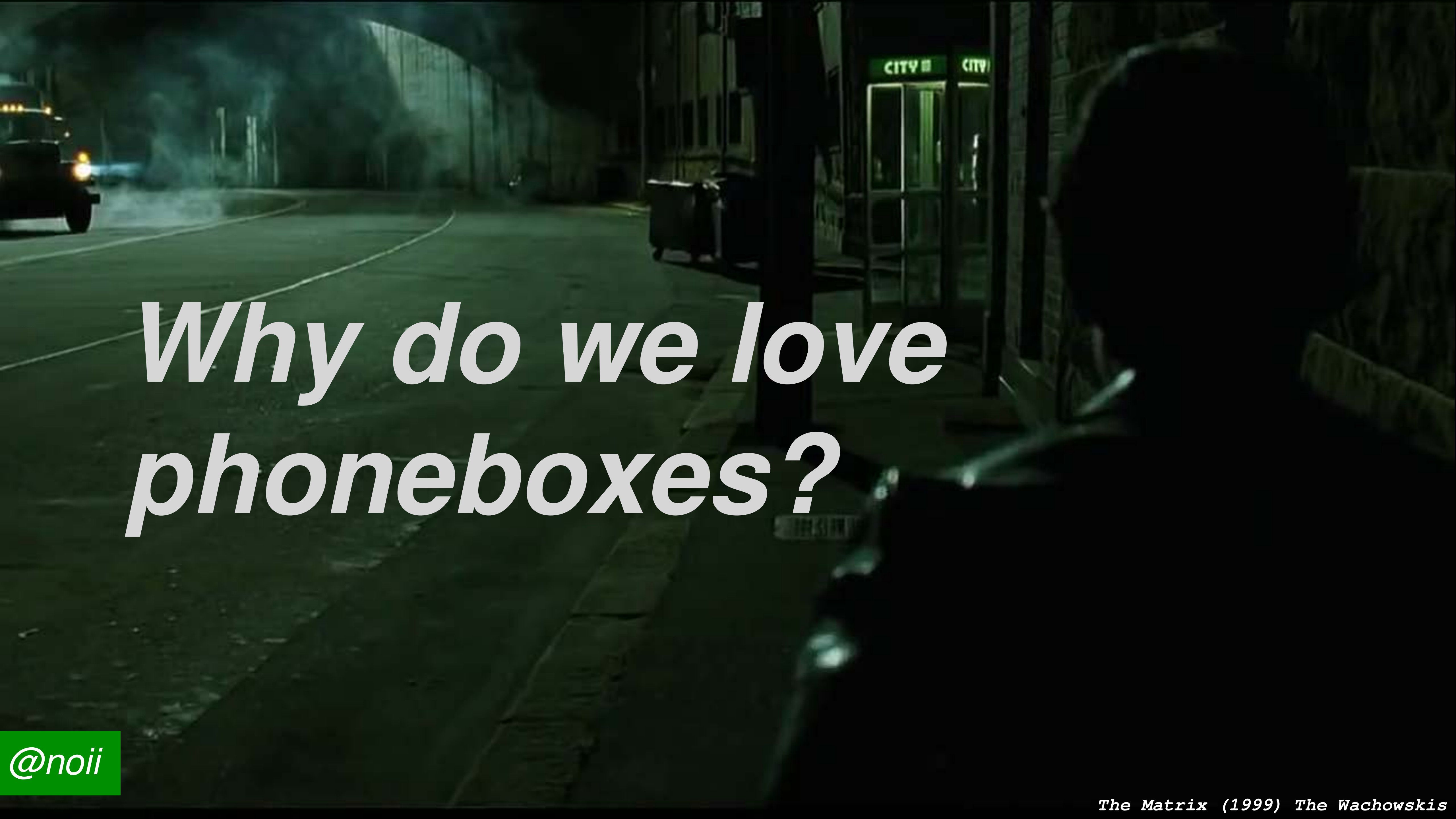
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A blurred night scene from a movie, likely 'Superman: The Movie', showing a crowd of people and a payphone booth. The text 'Design for pseudonymity' is overlaid in a large, white, italicized font.

Design for pseudonymity

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Superman: The Movie (1978) Richard Donner

A dark, atmospheric street scene from the movie The Matrix. The scene is dimly lit with a greenish tint. In the foreground, a person is standing near a phone booth. The phone booth has two glass doors and is illuminated from within. Above the doors, the words "CITY III" and "CITY I" are visible. In the background, a car is driving away, and the street is lined with buildings. The overall mood is mysterious and cinematic.

Why do we love phoneboxes?

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The Matrix (1999) The Wachowskis

A still from the movie 'Falling Down' showing a man in a suit talking on a mobile phone while another man lies on the ground in front of a public telephone booth. The scene is set on a city street with a 'MIKOSHI' sign and a 'TELEPHONE' booth visible.

Why do we dislike phoneboxes?



Digital public space

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The Social Life of Small Urban Spaces (1988) William H Whyte

Digital possessions

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Altruism fears

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A Clockwork Orange (1971) Stanley Kubrick



Sustaining anonymity

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<https://www.flickr.com/photos/martynjenkins/8394431321/>