





CHARLES BROKATAN AUDITORIUM
IZODOT 0270



Sentinel 2A & B Copernicus satellites

ⓘ Not secure | anonette.net:8000/summary/



Dataset: **S2A_MSIL1C_20190328T102021_N0207_R065_T32TNR_20190328T172042**



Acquisition time:
28.03.2019 10:20:21

Next acquisition in:
1d 0h 39m 51s

Time of processing:
29.03.2019 00:56:01

Cloud cover (for dataset):
3.66 %

Selection metrics:
Mean: **123.3**
Standard deviation: **38.0**
Median: **116.7**

Marker score:
0.34

Marker not detected

Previous

Next

```
/**  
 * LithopiaPlaceSold transaction triggered by satellite data changing the owner of a property  
 * @param {org.lithopia.basic.LithopiaPlaceSold} lithopiaPlaceSold - the LithopianPlaceSold transaction  
 * @transaction  
 */  
async function selling(lithopiaPlaceSold) { // eslint-disable-line no-unused-vars  
const place = lithopiaPlaceSold.place;  
const flag = place.flagColors[0].flagColor;  
// if thecolor didn't change, the owner remains  
if (flag === 'red') {  
place.owner = lithopiaPlaceSold.newOwner.name;  
}  
else {  
place.owner = lithopiaPlaceSold.place.owner;  
}  
// update the newOwner  
const assetRegistry = await getAssetRegistry('org.lithopia.basic.LithopiaPlace');  
await assetRegistry.update(place);  
// emit who is the old or new owner  
let placeEvent = getFactory().newEvent('org.lithopia.basic', 'LithopiaPlaceTransactions');  
placeEvent.place = lithopiaPlaceSold.place;  
placeEvent.newOwner = place.owner;  
emit(placeEvent);  
}
```

It's a new day under the starry satellites above and the moral law within the distributed ledgers...

DATE, TIME & WEATHER

2019-04-01 MON
8:18 82.7°C

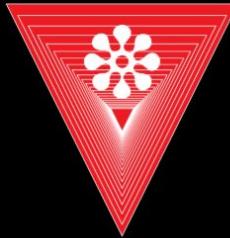
Clear skies ahead! Ideal day for transactions with 0 clouds and 33% humidity in Lithopia.

Lithopia manual

Become a Lithopian

- Pick up a name & register it on the (Hyper)ledger Fabric blockchain REST API over the dashboard.

WHO'S WHO



Who is in Lithopia, what they own, and what partnerships they offer? Click to update info!

CLICK & SHOW LITHOPIANS

- ale
- alessandro
- Alexander B
- alfik
- anastasia
- Anastasia
- anetta

CLICK & SHOW PROPERTIES IN LITHOPIA

- Aplace owned by Denisa
- balcony owned by Yair
- Beach owned by Lucy

BLOCKCHAIN TRANSACTIONS



Where is our satellite?
Prepare your offers & wait!
Read the manual!

Become a Lithopian:

What is your name?

SUBMIT CANCEL

Offer a partnership or marriage:

You need an original name:

For how long?

SUBMIT CANCEL

Lithopia: design supporting anticipatory governance of blockchain

Anticipatory governance emphasizes the capacities or “foresight, engagement, and integration” as a way of “managing emerging knowledge-based technologies while such management is still possible”.

D. H. Guston, “Understanding ‘anticipatory governance,’
Soc. Stud. Sci., vol. 44, no. 2, pp. 218–242, Apr. 2014.

Design for anticipatory governance?

Scry Sponsored - 6

Press F11 to exit full screen ...

Vantage uses AI to strip away the noise. Leaving you with accurate predictions about the future

We use human and machine intelligence to bring you accurate predictions on world changing events

Limited Offer: Get access at \$1 a month. Sign up now!

The future is here

WE USE HUMAN AND
MACHINE INTELLIGENCE TO
BRING YOU ACCURATE
PREDICTIONS ON WORLD
CHANGING EVENTS

Limited offer: \$1 for a month. Sign up now.

VANTAGE.SCRY.CLOUD

Anticipate the future

Scry Vantage is improving the signal-to-noise ratio for...

Like Comment Share

Why do need this?

Too late, too little ex-post regulations of emerging technologies such as blockchain and decentralized ledger technologies (e.g. “privacy by design”)

Alternative to push design patterns (predictive, anticipatory & frictionless design) that limit decision making and deliberation on the future

Empower **users as stakeholders** demanding inclusive and diverse futures

Supporting **resilience** by taking inspiration from the DIY, maker movements: experiencing, understanding, experimenting with and deliberating upon the blockchain futures (limits of accountability, responsibility, transparency, a division of powers and solidarity over such future infrastructure)

Technology (design) as philosophy by other means

from “no theory without a model (for prediction)”
to **“no theory without a prototype (for participation)”**

DENISA KERA, PhD.

Marie Curie Fellow

BISITE, University of Salamanca (2018-)

Arizona State University (2017)

Centre for the Study of the Future

National University of Singapore (2008 - 2016)

Philosopher / STS Researcher

Citizen science

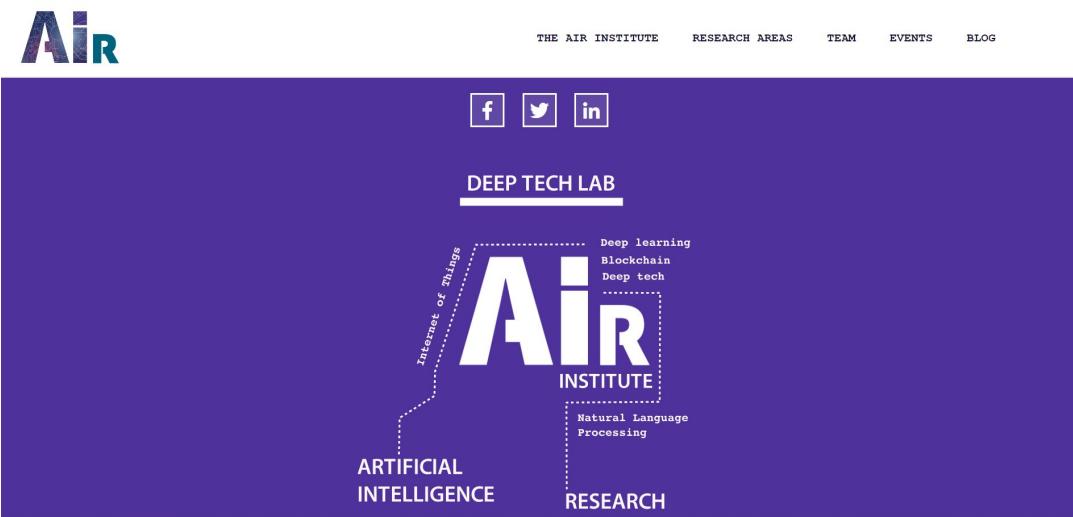
Open science

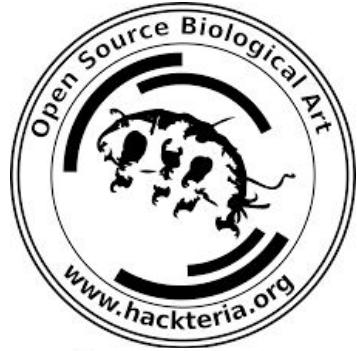
DIYbio

Designer / Developer

Open Hardware

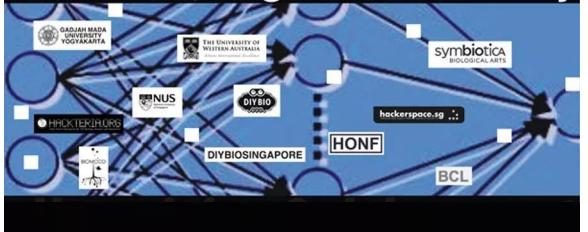
Blockchain, DLTs





People doing strange things in their kitchens and bathrooms?... "My home is my lab" movement? Global exchange of biotech kits and protocols, playing with genome and creating synthetic organisms for pets, using lab tools when cooking and transforming kitchens into biotech labs, these are just some of the faces of the global pop biotech. Artists, designers and scientists across the region translate scientific protocols into art manifestos, create sculptures from tissues, help local communities with low cost and low tech protocols, do performances with DNA and installations from biotopes. We will meet to probe the territory between The first Asia-Pacific DIYBio and BioArt meeting : molecular gastronomy. How relevant are these citizen science

Democratising the Laboratory



Visit Maker Faire Prague on June 22 & 23!

HONF

Noun. /honf/unspecified.

1. one who gets excited about things that no one else cares about.

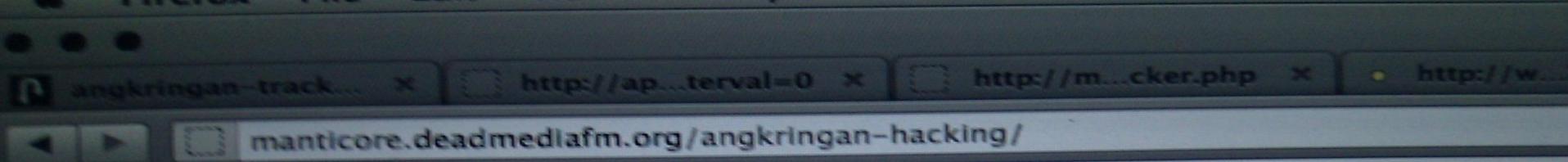
Tommy Surya
(1976-2017)
#RIPimot



Hacking Angkringan: Mobile Kitchen Lab 2012



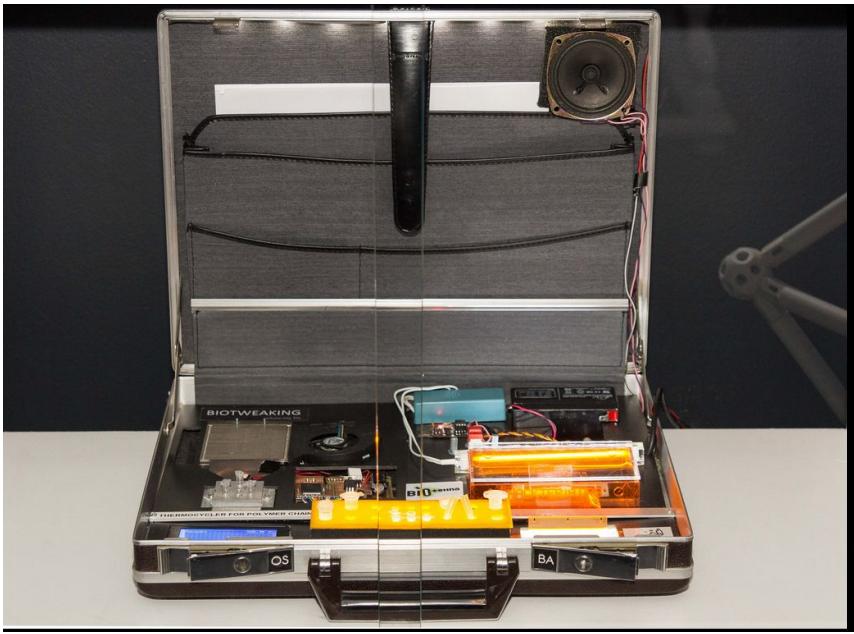




This is a preview of your embedded code:



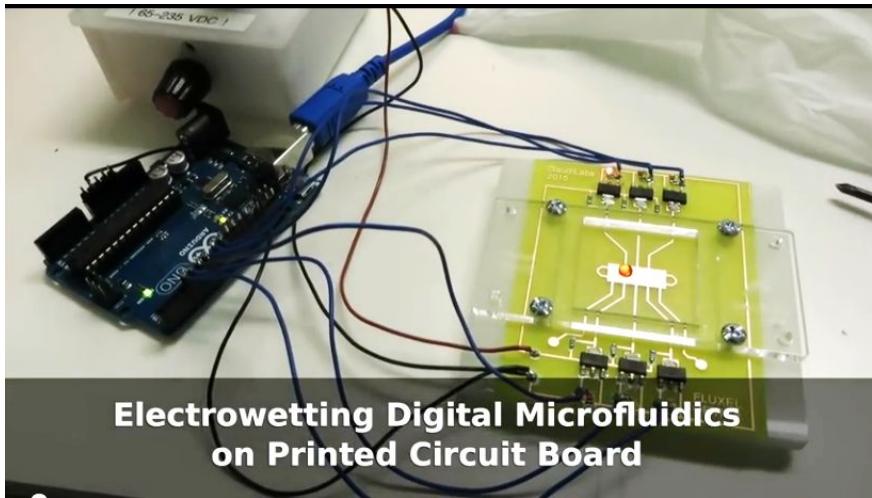
Open science hardware



DIY Mobile Gen Lab – Hackteria Object Collection / Urs Gaudenz (CH), Hackteria.org and BioTehna Citizen Lab

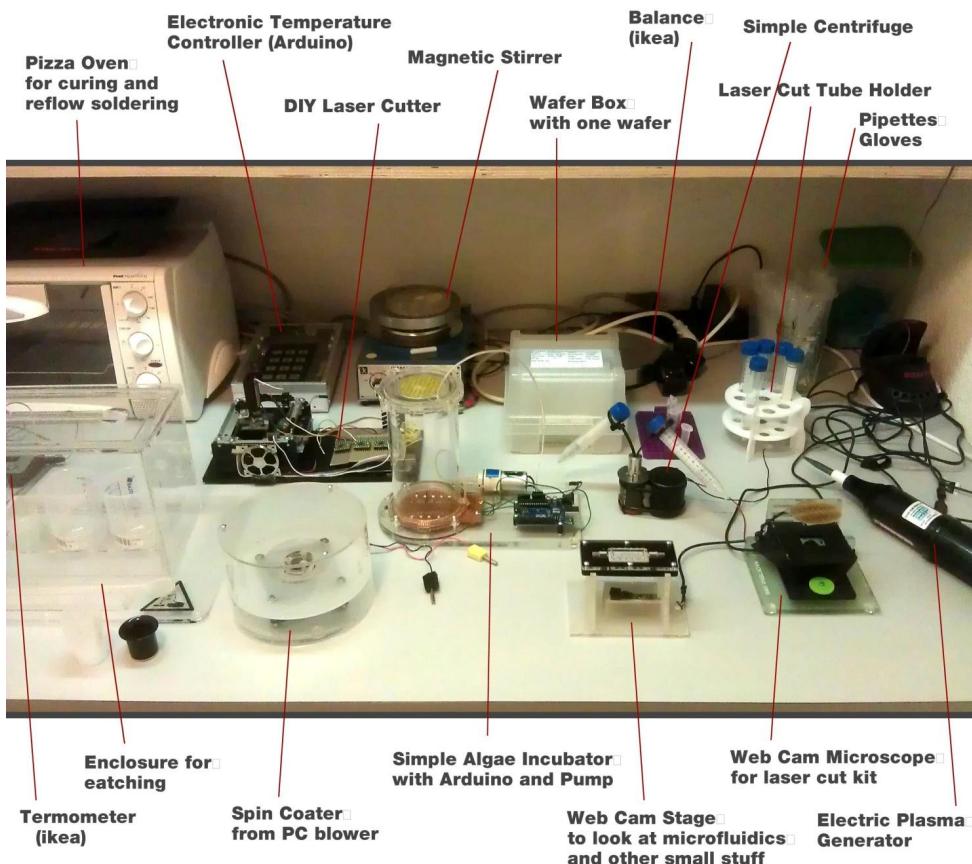
You don't need extremely expensive lab equipment any more to be able to work with bacteria and micro-organisms. Now there's Lab-in-a-Box, a conveniently packaged collection of simple, affordable technologies that enable people interested in performing biology research to do so in the privacy of their own home.

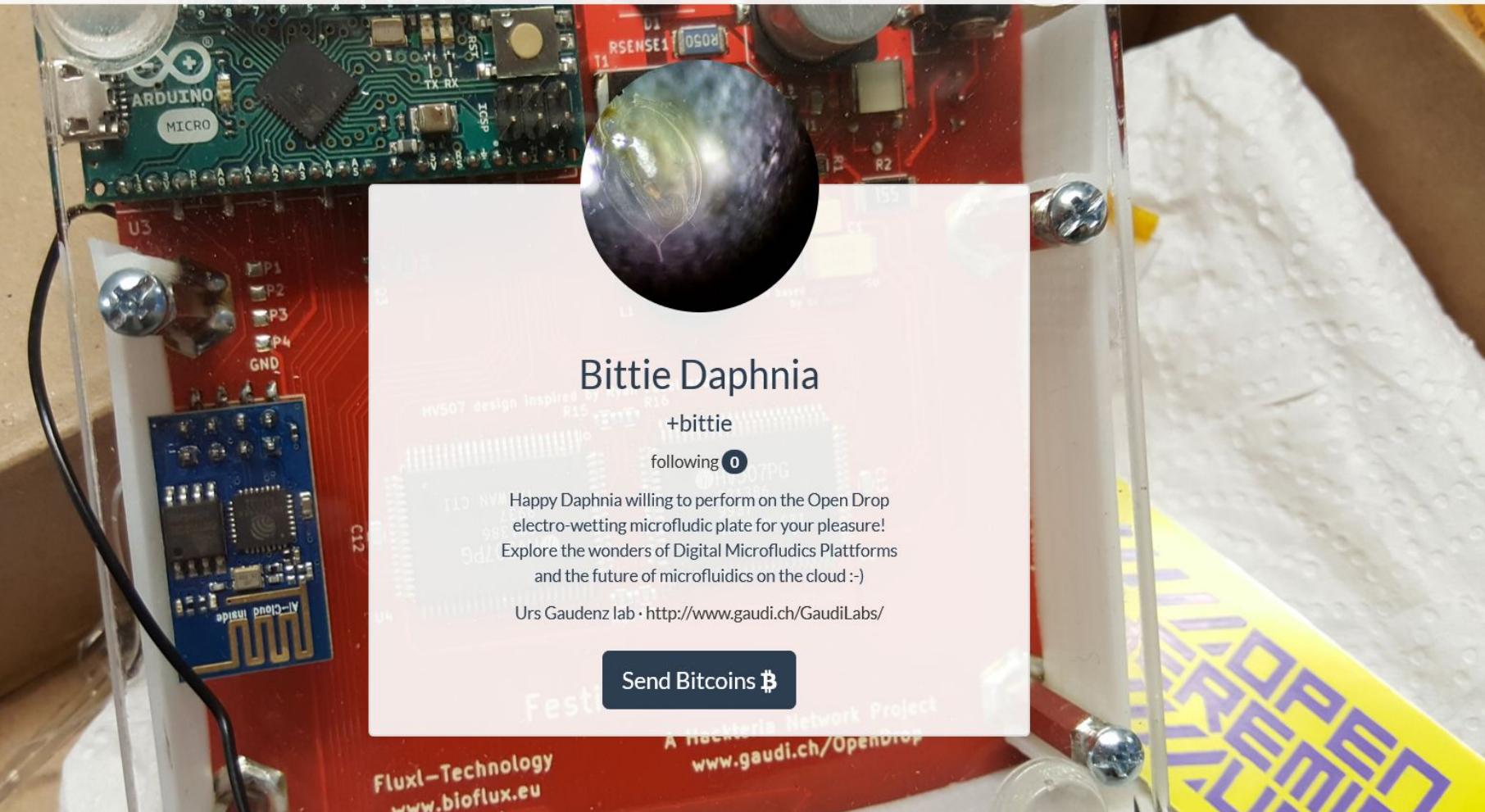
credit: Ars Electronica

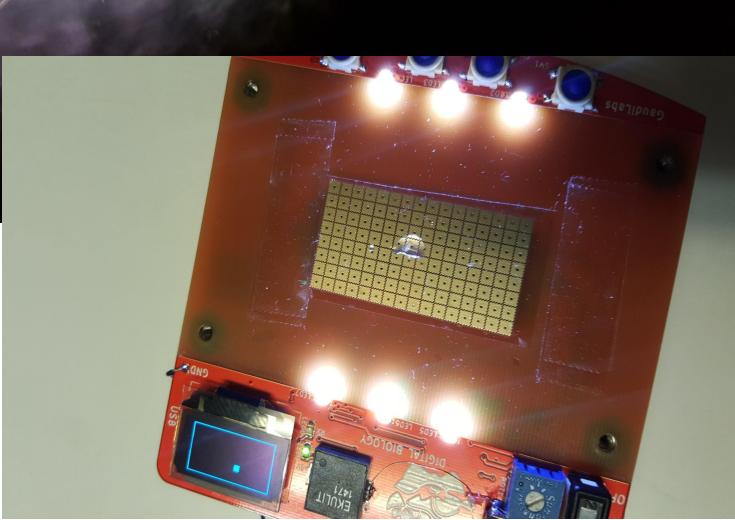
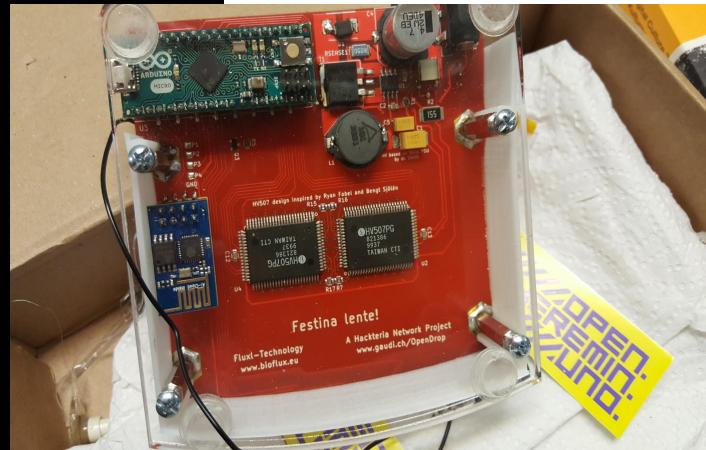
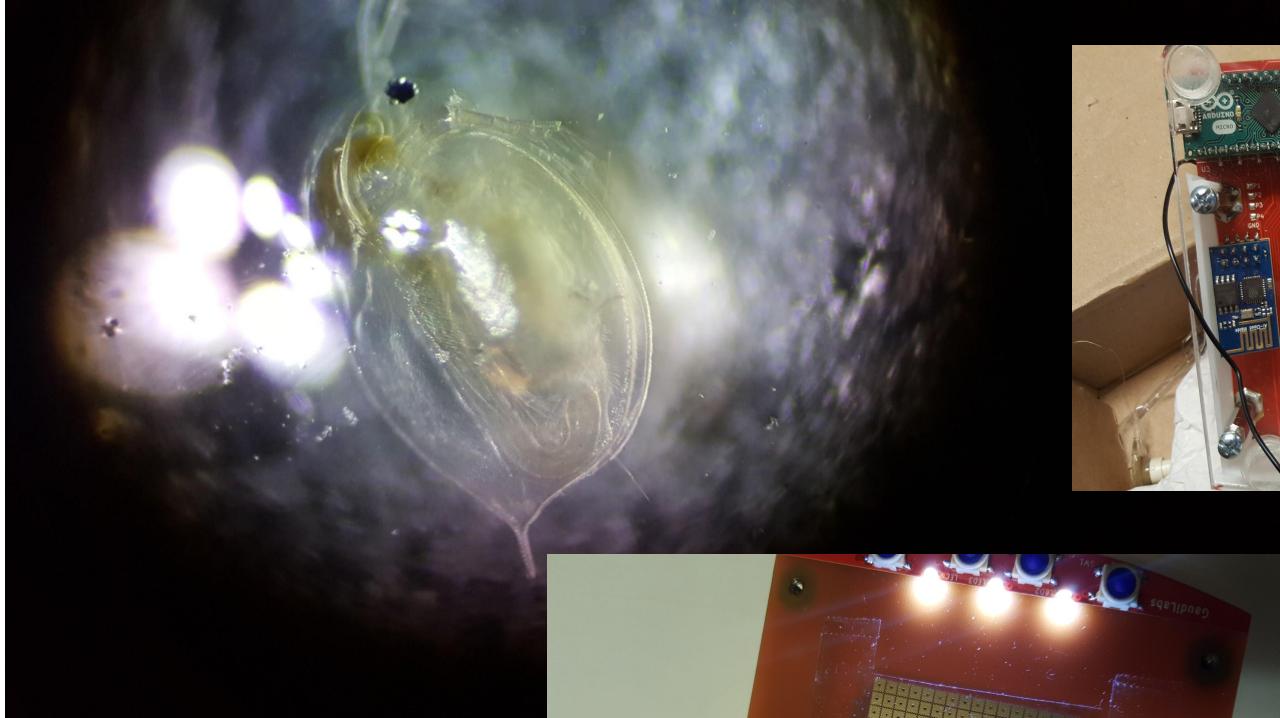


**Electrowetting Digital Microfluidics
on Printed Circuit Board**

DIY Lab Equipment







Blockchain & science

BLOCKCHAIN AND (OPEN) SCIENCE

meetup/hackathon in T.A.M.I on Dec 2, 2015 from 7 PM

Kibbutz Galuyot 45, Studio #106, 3rd Floor, Tel Aviv

How can we use blockchain technology to resolve issues with data tampering, referencing and authorship in science? How can we improve validation of data experiments? How can we crowdsource and crowdfund citizen science projects or even crowdfunding of research?



I "authenticated" or certified a zip file with my SNP data "genome_Denisa_Kera_Full_20150328050452.zip" by "embedding its [SHA256](#) digest in the bitcoin blockchain. This is done by generating a special bitcoin transaction that encodes/contains the hash via an [OP_RETURN script](#). This is a [bitcoin scripting opcode](#) that marks the transaction output as [provably unspendable](#) and allows a small amount of data to be inserted, which in our case is the document's hash, plus a marker to identify all of our transactions." <https://proofofexistence.com/detail/63948a2a31f238bfad57e13fd4e0796c8de2b299f2d45043769bb547cc3a12f2>

If anyone wants to manually confirm the document's existence at the timestamped time, they should just follow these steps:

- Calculate the document's SHA256 digest.
- Find a transaction in the bitcoin blockchain containing an OP_RETURN output with the document's hash prepended by our marker bytes, which are 0x444f4350524f4f46 (or '[DQCPROOF](#)' in ascii).
- Some online services like [Coin Secrets](#) or [blockchain.info's list](#) can help you locate OP_RETURN transactions more easily.
- The existence of that transaction in the blockchain proves that the document existed at the time the transaction got included into a block.

Security & technology: fortification, etching & history of circuits

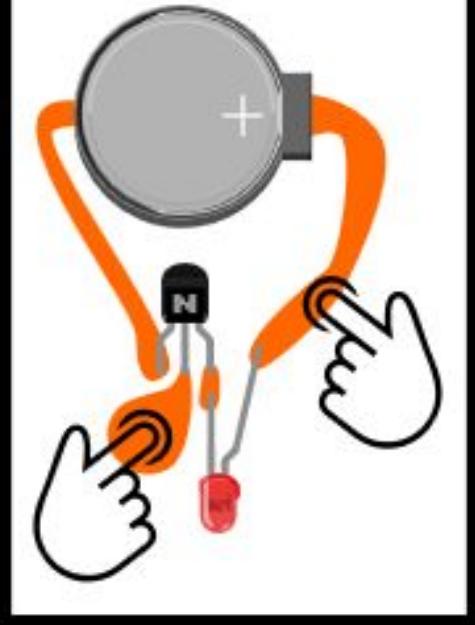


Albrecht Dürer's first etched print
Upper Franconian town (Bavaria) of
Kirchhellenbach

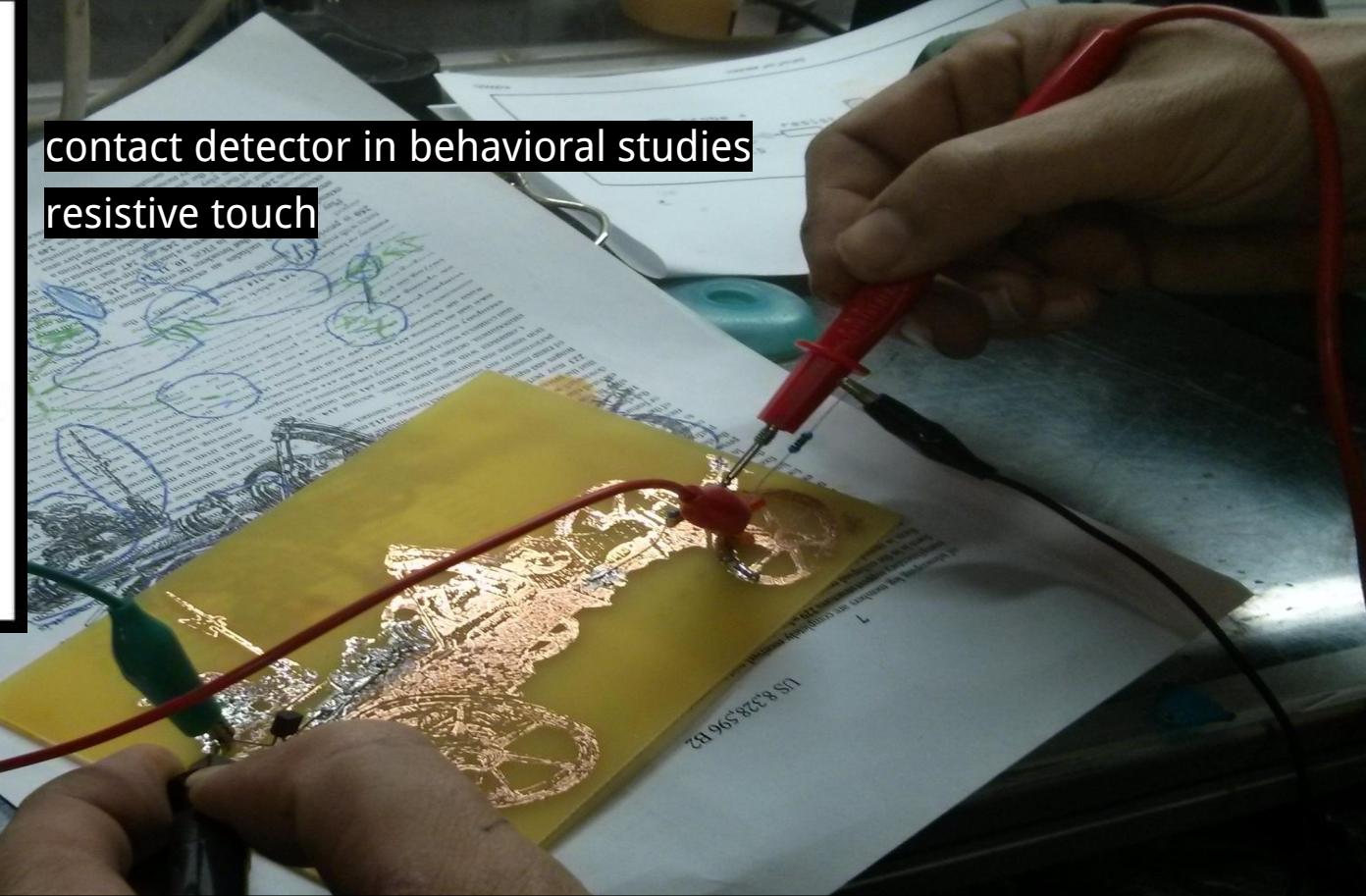
Landscape (God's creation)
Canon (emblem of Christian power)
Turk (prisoner, diplomat, spy)

1518, year after Luther, call for unity?
support of Maximilian I. crusade?
rise of monarchies & cities
prints, maps, colonization

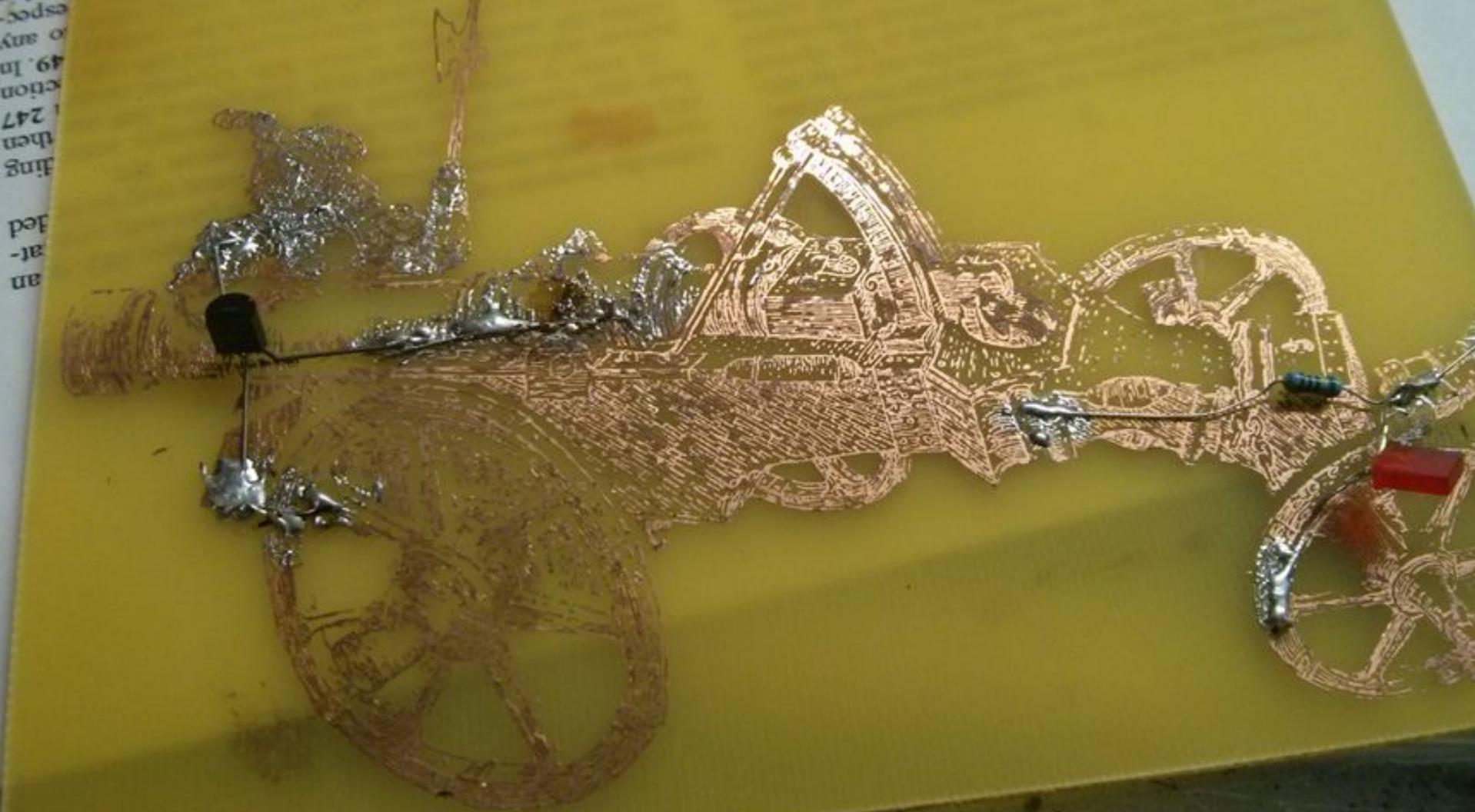
Hopfer (son) version



contact detector in behavioral studies
resistive touch



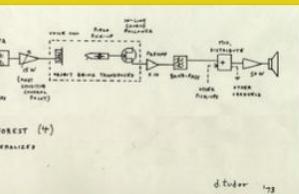
Landscape with Cannon (Albrecht Dürer, 1518) as a lickometer circuit,
Tel Aviv 2014



Uncanny, subversive, sublime & all other circuits

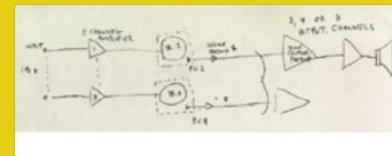
Explore creative uses, shapes and forms of conductive materials and experiment with hybrid and strange circuits. Follow one of the categories: #cardboard circuits #aesthetic circuits #circuit theory #circuit examples

ARCHIVE



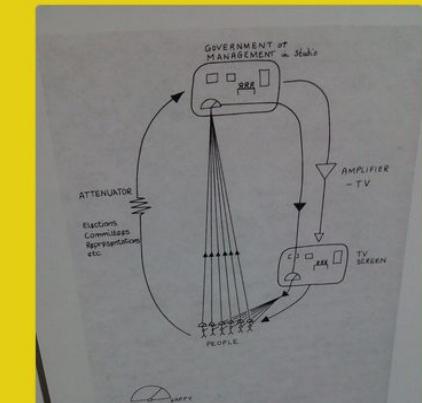
Tudor (1926–1996) (via
rest Diagram 73)

davidtudor.org



(via DAVID TUDOR: Electronics)

Source: davidtudor.org

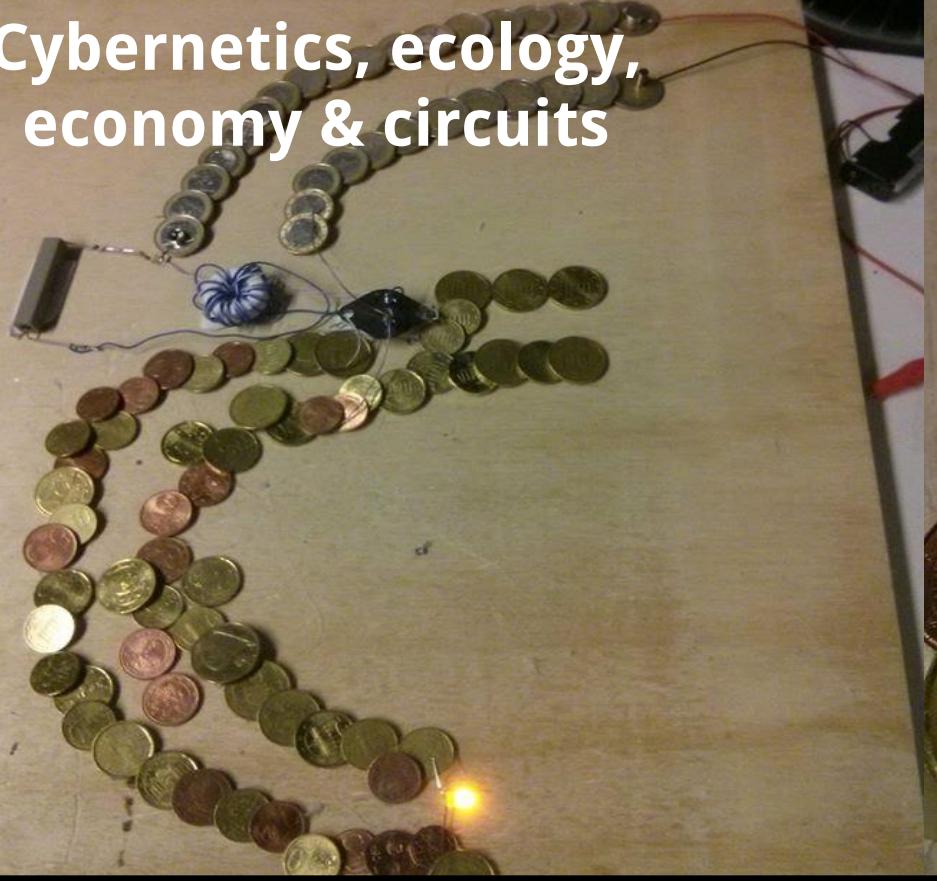


Energy-centri anthropology circuits...

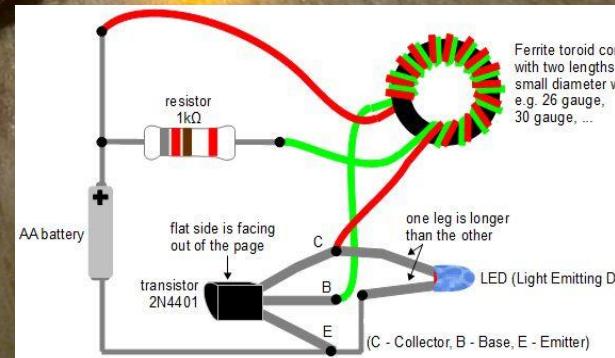
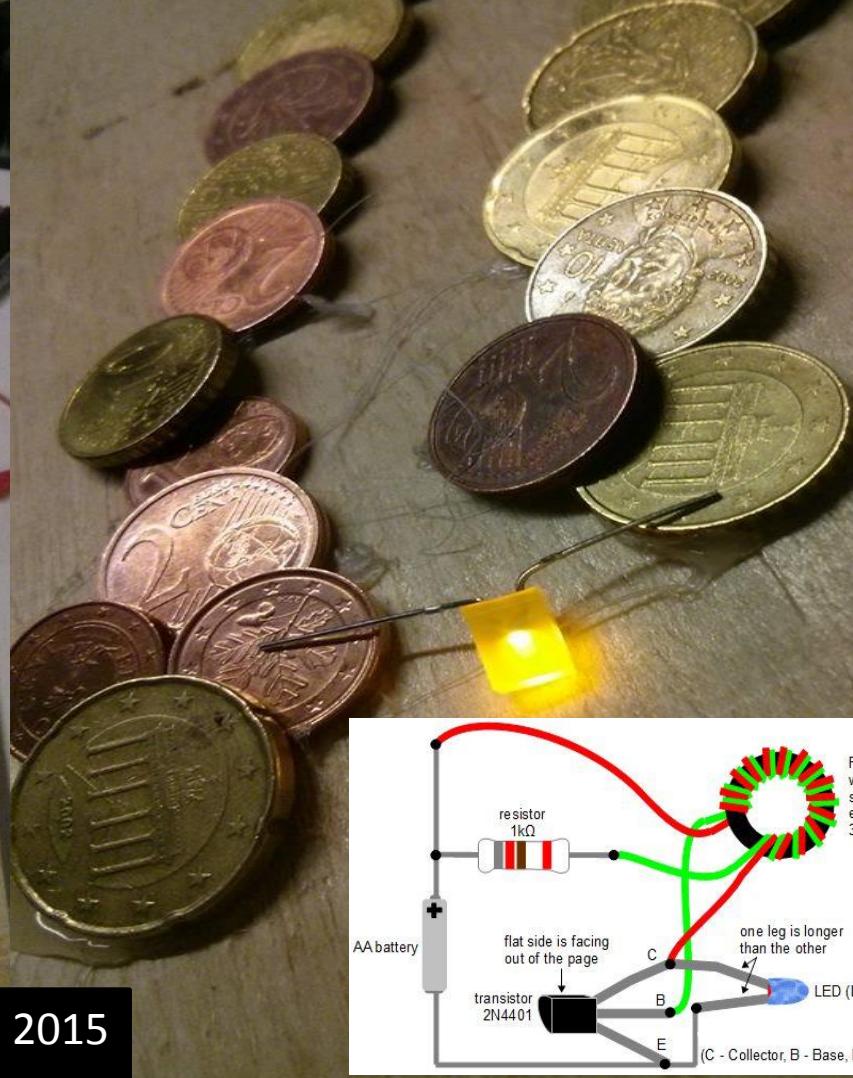
We are just circuit making
organisms from the right begin.
All ecology is about creating
complex and strange circuits
even human values are nothing
more than some effects of the

with Yair Reshef <http://cardboardelectronics.tumblr.com>

Cybernetics, ecology, economy & circuits



European Debt Crisis & Joule thief circuit, Berlin 2015



Cybernetics, ecology, economy & circuits

Models how to think systems, infrastructure, body

Ways of “connecting” various scales (minerals, electrons)

Material/object through which we can understand present society?

Material genealogy behind the ideas of conductive, insulating & dielectric materials (metals, minerals, semiconductors)

Flow of electrons, money & minerals



The **MONIAC** (Monetary National Income Analogue Computer) also known as the **Phillips Hydraulic Computer** and the **Financephalograph**, was created in 1949 by the New Zealand economist Bill Phillips (William Phillips) to model the national economic processes of the United Kingdom, while Phillips was a student at the London School of Economics (LSE). The MONIAC was an analogue computer which used fluidic logic to model the workings of an economy. The MONIAC name may have been suggested by an association of money and ENIAC, an early electronic digital computer.



coltan
blood minerals

Electric circuit as a “condition of possibility” for all present technology, but more importantly **model of reflection in ecology, cybernetics, art, media theory... security**

Infrastructure, perception/sensory aparati, power relations become a loop of inputs & outputs & management of flows (and capital).

From circuits to networks, blockchains and ledgers

interactions across scales

unequal “exchanges”

smart contracts with non-humans

Blockchain as a response to a new threat

Protocols (TCP/IP) have layers

Scalability, Reliability, Performance,
Security

Nuclear war

Moving data from A to B via
different routes in the network.

Databases (public ledgers) have trees & leaves

Authenticity, Uniqueness

Economic crises, Fraud, Government control

Recording data of transactions between A & B and the state of the network.



www.shutterstock.com • 43927351

Something that grows (and decays) rather than “connects”!

Communication (immaterial) X Time (transfer of value, material assets)

Blockchain is a slow “internet” with a history (memory) & evolution.

Blocks of records (tree-rings) of all transaction shared in (and forming) the network.
Nodes have “history of the whole network (a copy of the ledger)” & constantly evolve.

Smart contracts as a return of genealogy & rituals

Magic as the origin of (smart) contracts:
ritual, judicial acts & “hashing” (automation - “automatic efficacy”)

magical ritual achieved its ends automatically, whereas contract depended on an agreement of two wills” (Frank, 2016)

one gives oneself in giving . . . and if one gives himself, it is because one “owes”—himself and his goods—to others” (Mauss 1925: 125).

if every exchange involves a nexum, and every exchange is only the outcome of all of the foregoing exchanges, we always already owe our very selves to each other. (Frank, 2016)

The “force in the thing”: Mauss’ nonauthoritarian sociality in *The Gift*
Stephanie FRANK



[Electric Coin Company Posts](#) / The Design of the Ceremony

The Design of the Ceremony

Zooko Wilcox | October 26, 2016

Update: [Read our full summary](#) of what took place in the Zcash Parameter Generation Ceremony.

The Toxic Waste, and Other Ways To Counterfeit Zcash

As we've mentioned in a [previous blog post](#), the private transactions in Zcash "Sprout" 1.0 rely on *SNARK public parameters* for constructing and verifying zero-knowledge proofs. (When we upgrade the Zcash protocol and change the zero-knowledge proofs – which we intend to do within about a year – then we'll have to generate new SNARK public parameters from scratch.) Generating SNARK public parameters is basically equivalent to generating a public/private keypair, keeping the public key, and destroying the private key.

The problem is, if an attacker were to get a copy of that corresponding private key, they could use it to create counterfeit Zcash. That is the *only* harm they could do with it – they could not violate anyone else's privacy nor steal other people's Zcash.

Design fiction parody of a “smart village” rituals



CORRUPT
Tour.com

[bookings](#) [tours on offer](#) [our philosophy](#) [contact](#) [shareholders](#) [m](#)

[Home](#) - [Tours on offer](#)

Tours on offer



Prague's Best of the Worst

Prague's Monuments of Corruption deserve World Heritage Status. We show you truly the best of the worst. You'll be amazed at how well Prague's corruption monuments are preserved. Recently, some of these monuments of corruption we have been visiting for 5 years have suffered slight damage.





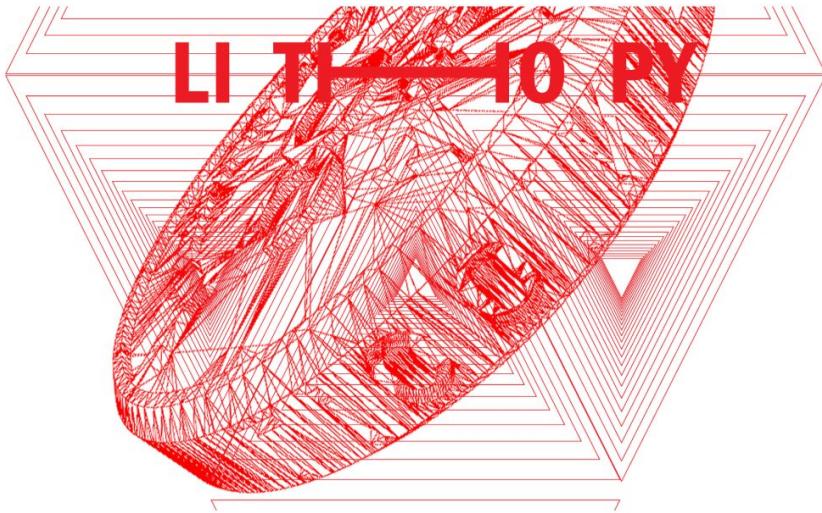
gestures
stewardship over ownership
genealogy over exchange



Functional prototypes/templates of smart contracts

<https://github.com/anonette/lithopia>

LITHOPIA/LITHOPY project



1. Description.
2. Prototypes.
3. Dashboard.
4. Satellite scanner.
5. Blockchain contracts.
6. Credits.

github.com/anonette/lithopia

Smart contract using satellite data

→ C ⓘ Not secure | anonette.net:3000/explorer/#/LithopiaPlace

Hyperledger Composer REST server

Admin : Rest server methods

Flagcolor : A transaction named Flagcolor

LithopiaMarriage : An asset named LithopiaMarriage

Lithopian : A participant named Lithopian

LithopiaPlace : An asset named LithopiaPlace

GET /LithopiaPlace

POST /LithopiaPlace

GET /LithopiaPlace/{id}

HEAD /LithopiaPlace/{id}

PUT /LithopiaPlace/{id}

DELETE /LithopiaPlace/{id}

LithopiaPlaceSold : A transaction named LithopiaPlaceSold

Marriage : A transaction named Marriage

Partners : A transaction named Partners

System : General business network methods

Node RED interface/dashboard for communicating & experiencing Lithopia

The screenshot shows a Node RED dashboard titled "It's a new day under the starry satellites above and the moral law within the distributed ledgers...". The dashboard is divided into several sections:

- DATE, TIME & WEATHER:** Displays the date (2019-04-01 MON), time (11:19 02), and a message: "Clear skies ahead! Ideal day for transactions with 0 clouds and 33% humidity in Lithopia."
- WHO'S WHO:** Features a large red triangle logo with a white flower-like center. Below it is a list of names: ale, alessandro, Alexander B, alfik, anastasia, Anastasia, anetta.
- BLOCKCHAIN TRANSACTIONS:** A map showing satellite locations over Australia and New Zealand. Text below the map includes "Where is our satellite?", "Prepare your offers & wait!", and "Read the manual!".
- Lithopia manual:** Instructions for becoming a Lithopian:
 - Pick up a name & register it on the (Hyper)ledger Fabric blockchain REST API over the dashboard.
- Become a Lithopian:** Form fields for "What is your name?" with "SUBMIT" and "CANCEL" buttons.
- Offer a partnership or marriage:** Form fields for "You need an original name:", "For how long?", "SUBMIT", and "CANCEL" buttons.
- CLICK & SHOW LITHOPIANS:** Buttons for "CLICK & SHOW LITHOPIANS" and "CLICK & SHOW PROPERTIES IN LITHOPIA".
- Properties:** A list of properties: Aplace owned by Denisa, balcony owned by Yair, Beach owned by Lucy.

become a Lithopian:
offer property or a
partnership

explore scenarios:
future data
governance
(automation over
satellite data &
blockchain)

Search | Denisak | Lithopia | ledgers | CHI wor | definitio | Extreme | Chewiel | Queen | Node-F | + - ×

Not secure | anonette.net:1780/#flow/f61baa36.7abee8

Node-RED

filter nodes Weather&Data Whois Transactions Markets + i info

input

- inject
- catch
- status
- link
- mqtt
- http
- websocket
- tcp
- udp

output

- debug
- link
- mqtt
- http response
- websocket
- tcp

Hyperledger Composer REST-API queries

click & show Lithopians

click & show Properties in Lithopia

Marriages & partnerships

getlithopians

getproperty

sort

getmarriages

sort

Lithopians Property:

Present Lithopians:

Show Lithopian property

transform into a sentence

Show Marriages

Who is who explanation & icon

timestamp 1

make an icon

abc

abc

Hold down when you on a node to also select all of its connected nodes

Deploy

Information

Flow: f61baa36.7abee8

Name: Whois

Status: Enabled

Flow Description

Basic info on Lithopians, their properties, marriages and partnerships

1. Texfields on Lithopians, property, marriages: all use http-node with get command to query the REST-API composer contract on <http://anonette.net:3000/explorer> and with switch-node and JSONATA get the requested data out of the complex JSON, basic JSONARA <https://docs.jsonata.org/string-functions.html> <https://console.bluemix.net/docs/services/> To test also <http://try.jsonata.org/>. Useful resource to learn how to work with SWITCH - courtesy [Steve Cope from min 10](#). Important source to learn how to use Angular/Template node

11:20 AM 4/1/2019 ENG

Node-RED : anonette.net

anonetted.net:1780/#flow/b36b79fb.681da8

Deploy

Node-RED

filter nodes

Lithopia-basic Transactions Markets Example of ui_list DASH +

input

- inject
- catch
- status
- link
- mqtt
- http
- websocket
- tcp
- udp

output

- debug

Satellite info for Lithopians

Info on Sentinel 2 position

timestamp

Sentinel data

getting satellite data

world map

ISS live feed on Earth

Smart contracts in Lithopia

Become a Lithopian:

Offer a partnership or marriage:

Register a property:

addnewlithopian

addnewpartnership

addnewplace

Flow "b36b79fb.681da8"

Name Transactions

Status Enabled

Information

Flow Description

Second column

Info on the Sentinel2A satellite position, view on Earth from ISS, forms to blockchain transactions on how to become Lithopian, register a property or partnership

1. Tracking satellites on a map: important to get the TLE data for the satellite nodes from

You can remove the selected nodes or links with delete

6:37 PM
2/5/2019

Open API for Sentinel 2A & B

ⓘ Not secure | anonette.net:8000/summary/

Dataset: **S2A_MSIL1C_20190328T102021_N0207_R065_T32TNR_20190328T172042**



Acquisition time:
28.03.2019 10:20:21
Next acquisition in:
1d 0h 39m 51s

Time of processing:
29.03.2019 00:56:01

Cloud cover (for dataset):
3.66 %

Selection metrics:
Mean: **123.3**
Standard deviation: **38.0**
Median: **116.7**

Marker score:
0.34

Marker not detected

Previous Next

REST-API to blockchain

Hyperledger Composer REST server x +

Not secure | anonette.net:3000/explorer/#/

Hyperledger Composer REST server

Admin : Rest server methods	Show/Hide	List Operations	Expand Operations
Flagcolor : A transaction named Flagcolor	Show/Hide	List Operations	Expand Operations
LithopiaMarriage : An asset named LithopiaMarriage	Show/Hide	List Operations	Expand Operations
Lithopian : A participant named Lithopian	Show/Hide	List Operations	Expand Operations
LithopiaPlace : An asset named LithopiaPlace	Show/Hide	List Operations	Expand Operations
LithopiaPlaceSold : A transaction named LithopiaPlaceSold	Show/Hide	List Operations	Expand Operations
Marriage : A transaction named Marriage	Show/Hide	List Operations	Expand Operations
Partners : A transaction named Partners	Show/Hide	List Operations	Expand Operations
System : General business network methods	Show/Hide	List Operations	Expand Operations

[BASE URL: /api , API VERSION: 0.0.14]

Lithopia “business network model”

The screenshot shows the Hyperledger Composer web editor interface. The title bar indicates it's running in a browser window titled "Hyperledger Composer". The main content area displays a "Model File" named "models/sample.cto". The code in the file defines a transaction "LithopiaPlaceSold" extending "LithopiaPlaceTransaction" with a participant "newOwner". It also defines an asset "LithopiaPlace" with attributes "name", "flagColors", and "owner", and a participant "Lithopian". A status message at the bottom right says "Everything looks good!". The left sidebar lists other files: "About", "README.md, package.json"; "Model File", "models/sample.cto"; "Script File", "lib/sample.js"; and "Access Control", "permissions.acl". Bottom navigation includes "Add a file...", "Export", and "UPDATE NETWORK".

Hyperledger Composer

https://composer-playground.mybluemix.net/editor

80%

admin

Define Test

Model File models/sample.cto

```
20  /**
21   * A satellite reading for a GPS location identifying a color
22   */
23 transaction LithopiaPlaceSold extends LithopiaPlaceTransaction {
24   -->Lithopian newOwner
25 }
26
27 /**
28  * Location in Lithopia visible to satellites owned by a Lithopian
29  */
30 asset LithopiaPlace identified by name {
31   o String name
32   o Flagcolor[] flagColors optional
33   o String owner
34 }
35 /**
36  * Lithopian living in Lithopia
37  */
38 participant Lithopian identified by name {
39   o String name
40 }
41
42
```

About

README.md, package.json

Model File

models/sample.cto

Script File

lib/sample.js

Access Control

permissions.acl

Add a file... Export

UPDATE NETWORK

From: 0.2.6-deploy.0

Everything looks good!

Changing ownership in Lithopia

The screenshot shows the Hyperledger Composer web editor interface. The title bar indicates it's running on https://composer-playground.mybluemix.net/editor. The main area is titled "Web my-basic-sample" and has tabs for "Define" and "Test". The user is logged in as "admin". On the left sidebar, there are links for "About", "Model File", "Script File", and "Access Control". The "Script File" link for "lib/sample.js" is selected. The code editor displays the following JavaScript code:

```
18      }
19
20      /**
21       * LithopiaPlaceSold transaction triggered by satellite data changing the owner of a property
22       * @param {org.lithopia.basic.LithopiaPlaceSold} lithopiaPlaceSold - the LithopianPlaceSold transaction
23       * @transaction
24      */
25
26      async function selling(lithopiaPlaceSold) { // eslint-disable-line no-unused-vars
27          const place = lithopiaPlaceSold.place;
28          const flag = place.flagColors[0].flagColor;
29          // if thecolor didn't change, the owner remains
30          if (flag === 'red'){
31              place.owner = lithopiaPlaceSold.newOwner.name;
32          }
33          else{
34              place.owner = lithopiaPlaceSold.place.owner;
35          }
36          // update the newOwner
37          const assetRegistry = await getAssetRegistry('org.lithopia.basic.LithopiaPlace');
38          await assetRegistry.update(place);
39      }
40
```

At the bottom of the code editor, a status message says "Everything looks good!" with a green checkmark icon.

blockchain transactions on Hyperledger

The screenshot shows the Hyperledger Composer playground interface. The top navigation bar includes tabs for 'Define' and 'Test', and a user dropdown set to 'admin'. The main content area is divided into sections: 'PARTICIPANTS', 'ASSETS', and 'TRANSACTIONS'.

PARTICIPANTS

SampleParticipant	Date, Time	Entry Type	Participant	Action
Lithopian	2019-02-05, 18:25:18	LithopiaPlaceSold	admin (NetworkAdmin)	view record

ASSETS

SampleAsset	Date, Time	Entry Type	Participant	Action
LithopiaPlace	2019-02-05, 18:22:26	Flagcolor	admin (NetworkAdmin)	view record

TRANSACTIONS

All Transactions	Date, Time	Entry Type	Participant	Action
	2019-02-04, 11:39:07	UpdateAsset	admin (NetworkAdmin)	view record
	2019-02-04, 11:38:38	AddParticipant	admin (NetworkAdmin)	view record
	2019-02-04, 11:38:20	AddParticipant	admin (NetworkAdmin)	view record

Buttons

- Submit Transaction

Page Footer

- Legal
- [GitHub](#)
- Playground v0.20.6
- Tutorial
- Docs
- Community

Ivan395 sells house747 to Dan421

Hyperledger Composer X + https://composer-playground.mybluemix.net/test ... 🌐 ☆ ⌂ ⌃ ⌄ ⌅

Web my-basic-sample Define Test admin

PARTICIPANTS Participant registry for org.lithopia.basic.Lithopian + Create New Participant

ID	Data
Dan421	{ "\$class": "org.lithopia.basic.Lithopian", "name": "Dan421" }

Lithopian

ASSETS

SampleAsset	Dan421	{ "\$class": "org.lithopia.basic.Lithopian", "name": "Dan421" }	-pencil	-trash
LithopiaPlace	Ivan395	{ "\$class": "org.lithopia.basic.Lithopian", "name": "Ivan395" }	-pencil	-trash

TRANSACTIONS

All Transactions

Composer test

Hyperledger Composer x +

https://composer-playground.mybluemix.net/test

Web my-basic-sample Define Test admin

PARTICIPANTS

Asset registry for org.lithopia.basic.LithopiaPlace + Create New Asset

SampleParticipant

Lithopian

ID	Data
house747	<pre>{ "\$class": "org.lithopia.basic.LithopiaPlace", "name": "house747", "flagColors": [{ "\$class": "org.lithopia.basic.Flagcolor", "flagColor": "red", "place": "resource:org.lithopia.basic.LithopiaPlace#house747", "transactionId": "860b0f48-14ca-4af7-a96d-23e86145e130", "timestamp": "2019-02-05T16:51:45.018Z" }], "owner": "Dan421" }</pre>

ASSETS

SampleAsset

LithopiaPlace

TRANSACTIONS

All Transactions

Collapse

Composer test: new owner

Hyperledger Composer

https://composer-playground.mybluemix.net/test#

80%

admin

Web my-basic-sample

Define Test

PARTICIPANTS

SampleParticipant

Lithopian

ASSETS

SampleAsset

LithopiaPlace

TRANSACTIONS

All Transactions

Submit Transaction

+ Create New Asset

Asset registry for org.lithopia.basic.LithopiaPlace

ID	Data
house747	{ "\$class": "org.lithopia.basic.LithopiaPlace", "name": "house747", "flagColors": [{ "\$class": "org.lithopia.basic.Flagcolor", "flagColor": "red", "place": "resource:org.lithopia.basic.LithopiaPlace#house747", "transactionId": "860b0f48-14ca-4af7-a96d-23e86145e130", "timestamp": "2019-02-05T16:51:45.018Z" }, { "\$class": "org.lithopia.basic.Flagcolor", "flagColor": "red", "place": "resource:org.lithopia.basic.LithopiaPlace#house747", "transactionId": "a5f840b4-759e-4477-ac4e-2f9994dcc68c", "timestamp": "2019-02-05T17:22:26.003Z" } , "owner": "Ivan395" }



ic-sample

Define

Transaction Type

LithopiaPlaceSold



Asset regis

ID

house747

JSON Data Preview

```
1  {
2    "$class": "org.lithopia.basic.LithopiaPlaceSold",
3    "newOwner": "resource:org.lithopia.basic.Lithopian#Ivan395",
4    "place": "resource:org.lithopia.basic.LithopiaPlace#house747"
5  }
```

 Optional PropertiesJust need quick test data? [Generate Random Data](#)

Cancel

Submit

admin

+ Create New Asset



Define Test

admin

Historian Record

Date, Time

Transaction Events (0)

2019-02-05,

```
1 |{  
2 "$class": "org.lithopia.basic.LithopiaPlaceSold",  
3 "newOwner": "resource:org.lithopia.basic.Lithopian#Ivan395",  
4 "place": "resource:org.lithopia.basic.LithopiaPlace#house747",  
5 "transactionId": "990a95e2-b593-428e-bddd-f14c94d78b4e",  
6 "timestamp": "2019-02-05T17:25:18.550Z"  
7 }
```

2019-02-05,

2019-02-05,

2019-02-04,

2019-02-04,

2019-02-04,

Admin)

[view record](#)

Satellite data necessary to sell property

The screenshot shows the Hyperledger Composer playground interface. The top navigation bar includes tabs for 'Web' (selected), 'Define', and 'Test'. A user session is shown as 'admin'. The main area displays a 'PARTICIPANTS' table with one entry: 'SampleParticipant' by 'Lithopian' on '2019-02-05'. Below it is an 'ASSETS' table with one entry: 'SampleAsset' by 'LithopiaPlace' on '2019-02-05'. Under 'TRANSACTIONS', there is an 'All Transactions' entry from '2019-02-04'. A modal window titled 'Historian Record' is open, showing a transaction log. The log details a single transaction with the following JSON payload:

```
1 |[  
2 " $class": "org.lithopia.basic.Flagcolor",  
3 " flagColor": "red",  
4 " place": "resource:org.lithopia.basic.LithopiaPlace#house747",  
5 " transactionId": "a5f840b4-759e-4477-ac4e-2f9994dcc68c",  
6 " timestamp": "2019-02-05T17:22:26.003Z"  
7 ]
```