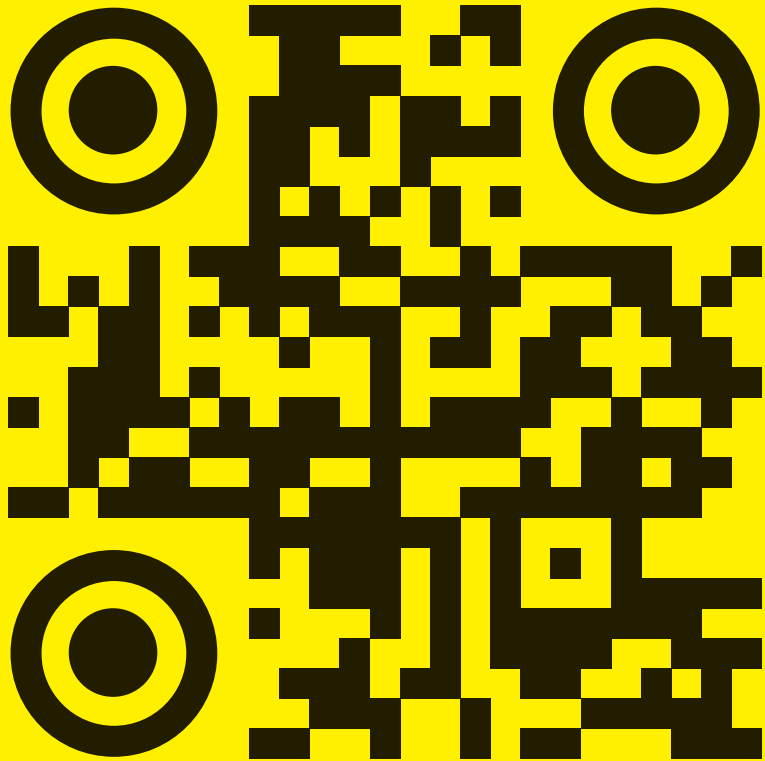


FORESTS OF ANTENNAS,

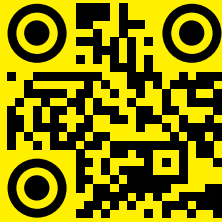
OCEANS OF WAVES

RESOURCES



antennenozeane.de

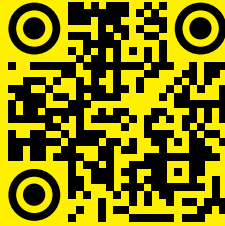
PARTICIPANTS



Bureau d'Études

... is a conceptual artists duo working primarily through the medium of the map. They map the relationships of power, ownership and interest in politics, economics and the social sphere on global and local levels, thus creating an awareness of how seemingly unrelated things are in reality connected when viewed from a larger perspective.

bureaudetudes.org

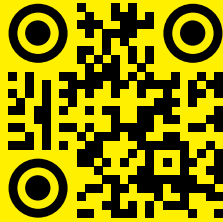


Radio Otherwise

(Kate Donovan, Monai de Paula Antunes and Niko de Paula Lefort)

... is an ongoing artistic research project motivated by the many knots which art, knowledge-making/sharing and communication encounter. Thinking and doing radio otherwise means focussing beyond purely anthropogenic transmissions, recognising relationality within the spectrum of more-than-human radio ecologies: the sun's rays, lightning strikes, meteors, the radio memories held in soil from radioactive pollutants.

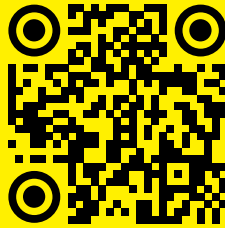
radiootherwise.net



KOBAKANT

Mika Satomi and Hannah Perner-Wilson have been collaborating since 2006, and in 2008 formed the collective KOBAKANT. Together, through their work, they explore the use of textile crafts and electronics as a medium for commenting on technological aspects of today's ›high-tech‹ society. KOBAKANT believes in the spirit of humoring technology, often presenting their work as a twisted criticism of the stereotypes surrounding textile craftsmanship and electrical engineering. KOBAKANT believes that technology exists to be hacked, handmade and modified by everyone to better fit our personal needs and desires.

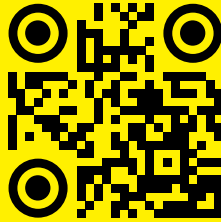
kobakant.at



Nicolas Nova

... is a researcher, writer and design researcher. He is an anthropologist of technology active in the field of contemporary cultures, interaction design and futures research. His work is focused on observing and documenting digital and new media practices, as well as environmental changes. Using ethnographic approaches, Nicolas investigates everyday cultures to tell stories, and employs design techniques such as Design Fiction to explore the implications of social or technological changes.

nicolasnova.net

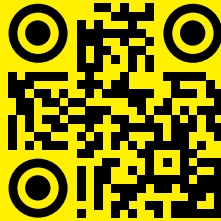


Solarpunks

›We are Solarpunks because optimism was taken away from us and we are trying to get it back because the only other options are denial or despair.<

Solarpunks is a Berlin based group of enthusiasts organizing regular networking meetings, building weekends, lectures or whatever else comes up. Whether in community with other humans, animals or plants — the group practices a healthy humility and curiosity, fully aware of being part of a network that nourishes and grows with each other in a successful dependence — one in which we experience for ourselves a great independence and ›gelassenheit<.

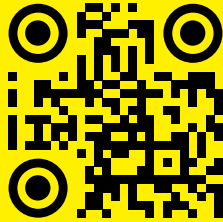
solarpunks.de



Sarah Grant

... engages with the electromagnetic spectrum and telecommunication networks as artistic material, social habitat, and political landscape. With a focus on radioart and computer networking, she researches and develops artworks as educational tools and workshops that demystify computer networking and radio technology.

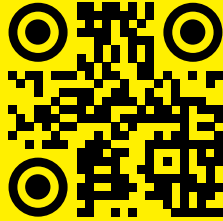
chootka.com



Danja Vasiliev

... studies Systems and Networks through anti-disciplinary experimentation with hardware, firmware and software. Using computational platforms he engages in examination and exploitation of System and Network paradigms in both the physical and digital realms. Based on these findings, Vasiliev creates and exhibits works of Critical Engineering. Together with his colleagues Julian Oliver and Gordan Savičić, he co-authored The Critical Engineering Manifesto.

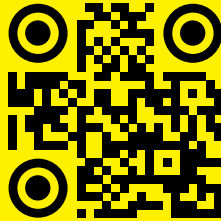
danjavasiliev.net



Selena Savic

... is an architect, designer and researcher, interested in the design of infrastructures, their spatial and cultural implications. She established a hybrid design practice and a research agenda that addresses materiality of data, code and communication. She researches and writes about computational modeling, feminist hacking, and posthuman networks in the context of design and architecture.

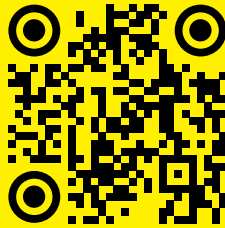
kucjica.org



Gordan Savičić

... is a creative technologist, artist and designer whose work investigates the relationship between people, networks and interfaces. He has a background in media art and visual communication, and he has been active within the fields of academic research, teaching and design industry. His preferred location is the Internet, spending his weekends at localhost.

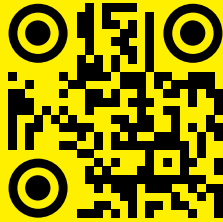
yugo.at/processing



Teresa Dillon

... is an artist and researcher, whose work focuses on the situated, lived entanglements of techno-civic systems within urban spaces. In 2018 she established the Repair Acts network which focuses on practice and scholarship relating to repair, care and maintenance cultures. She currently holds the post of Professor of City Futures at the School of Art and Design, UWE Bristol, where she leads on projects relating to restorative and healing futures, surveillance histories, data as matter and urban commoning.

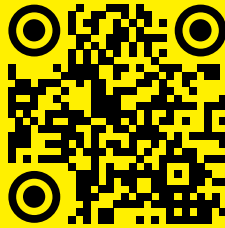
polarproduce.org



Mario de Vega

Through site-specific interventions, sound, sculpture, actions and publications in diverse formats, Mario de Vega's work and research explores the value of failure, vulnerability and simulation.

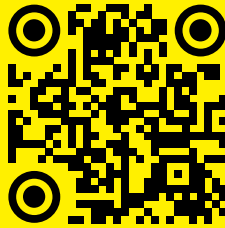
mariodevega.info



Susanna Hertrich

Her transmedia practice draws from our relationship to technology in an increasingly technologized sphere. This practice is driven by the artist's surreal imagining of a novel functionality of objects that operate as a link between reality and fiction, staged in immersive environments that embrace the strangely familiar and play with the aesthetics and discourses of science.

susannahertrich.com

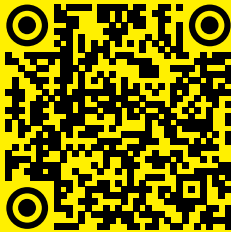


Marta Zapparoli

... is an experimental sound and improvisation artist, performer and self-taught researcher. In her work and research she focuses on acoustic ecologies, noise pollution, electromagnetic frequencies and >inaudible sounds< based on the reception of radio frequencies, wireless communication and natural radio, which she uses in her live performances, sound interventions and installations.

martazapparoli.klingt.org

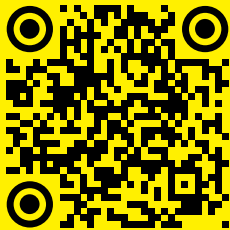
MAPS
GEOGRAPHIES
OF
TRANSMISSION



EMF Karte Bundesnetzagentur

The electromagnetic field map shows the positions of cell tower sites. Without cell tower installations, mobile communication as we know it would not be possible.

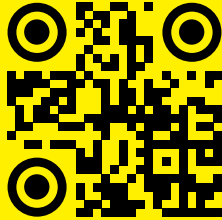
bundesnetzagentur.de/DE/Vportal/TK/Funktechnik/EMF/start.html



Funklochkarte Bundesnetzagentur

German network availability is ill-famed. The dead zone map shows the actual signal availability/reception, and differentiates between 2G, 4G and 5G.

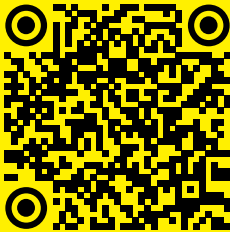
breitband-monitor.de/funkloch/karte



Find SpaceX Starlink
findstarlink.com

About 1,800 Starlink satellites are currently orbiting the Earth. (2021) The *Starlink Train* is visible to the naked eye at night, at findstarlink.com you can find out where and when.

findstarlink.com

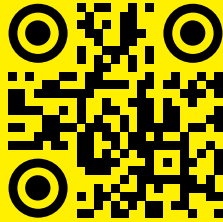


La carte des sabotages des antennes 5G

Reporterre.net, a French underground movement is at war with the telecommunications infrastructure. The *reporterre.net* map documents the incidents.

reporterre.net/Exclusif-la-carte-des-sabotages-des-antennes-5G

ART PROJECTS
(selection)

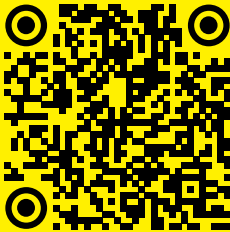


The Hidden Life of an Amazon User

Joana Moll

Using websites produces code and costs energy. How much? Joana Moll makes this visible.

janavirgin.com/AMZ

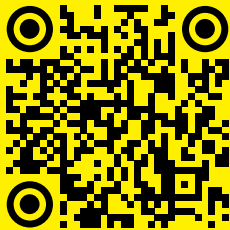


DEF0000000000000000000000000REST

Joana Moll

How many trees does it take to absorb the amount of CO₂ that google.com generates per second due to global visits?

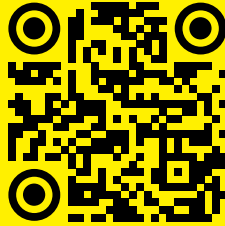
janavirgin.com/CO2/DEF0000000000000000000000000REST_about.html



Cloudplexity
Mario Santamaria

Let's close our eyes and imagine it: the shape of the internet... Mario Santamaria has collected manifestations of this idea from the register of the U.S. Patent database.

mariosantamaria.net/cloudplexity/index.html



Ethics for Design Gauthier Roussilhe

Design has a great influence on people's lives and behaviour. An introduction to the world of design against the background of the question of its moral categories.

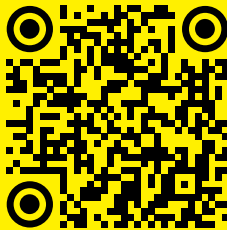
ethicsfordesign.com/watch



Making Visible Timo Arnall

In *Making Visible* Timo Arnall outlines how interaction design may engage in the material and mediation of new interface technologies. How can interaction design research explore technology through material and mediational approaches?

<https://www.elasticspace.com/2014/06/making-visible>

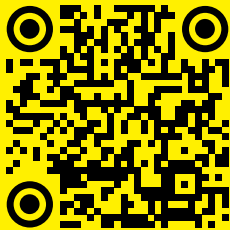


Architecture of Radio

Richard Vijgen

The infosphere is an environment in its own right. It is animated by informational entities. It relies on an intricate network of wired and wireless signals. The architecture of radio makes the invisible visible.

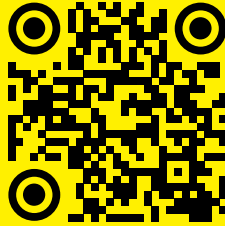
richardvijgen.nl/#architectureofradio



Pink Cell Tower
Julian Oliver

Mobile phone masts can be very shy. They hide as trees or seek height.
This beauty is indeed more extroverted.

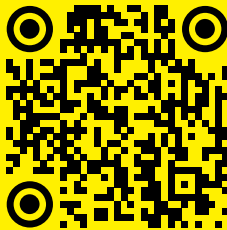
julianoliver.com/projects/pink-cell-tower



SATELLITEN Quadrature

They orbit around us at altitudes from 200km to 2,000 km. They are involved in most day-to-day activities. Yet we hardly notice them. They are satellites.

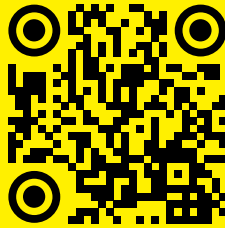
quadrature.co/work/satelliten



The Future Starts Here Superflux

Are we so intimate with technological progress that we overlook the fact that we already live in a world that sounded utopian 50 years ago? Perhaps it is time to pause and speculate where we are headed.

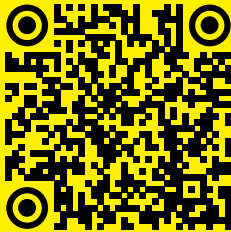
superflux.in/index.php/work/the-future-starts-here/#



New Ways of Seeing James Bridle

James Bridle updates John Berger's *Ways of Seeing*, inviting contemporary artists to explore how the technology we use every day has transformed the ways in which we see and are seen.

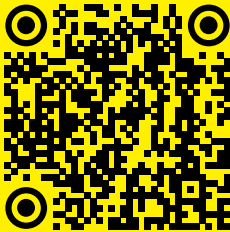
bbc.co.uk/programmes/m000458m



Lithium Dreams Expedition Unknown Fields Division

What does it look like, the infrastructure behind the scenes of our electric future? The project explores the landscapes that supply technological progress.

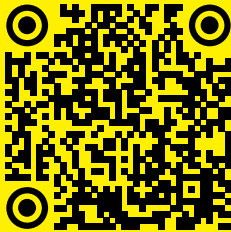
unknownfieldsdivision.com/summer2015bolivia+atacama-lithiumdreams.html



New Trees
Robert Voit

How do you accommodate the grey-metallic appearance of mobile phone masts in the natural environment? Well, why not disguise them as trees?

robertvoit.com/bilder/serie4_new_trees/index.php?id=12



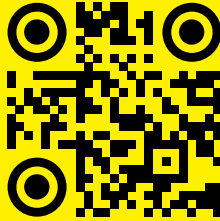
Detektors

Shintaro Miyazaki

What do electromagnetic waves sound like? This detector audits electromagnetic energy. It is sensitive to RF ranges from 100 MHz to 3 GHz.

peertube.init-c.de/videos/watch/6d283609-4cfc-4ede-9acf-e0f158e986bd

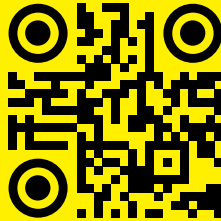
LINKS & INFO



The BioInitiative Report

... collects science, public health, public policy and global response to the growing health issue of chronic exposure to electromagnetic fields and radiofrequency radiation in the daily life of billions of people around the world.

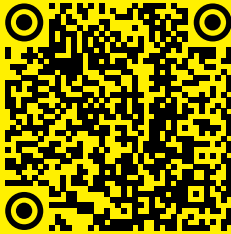
bioinitiative.org



EMF:data by diagnose:funk
Diagnose-Funk e.V.

What kind of effects can be caused by cell phone radiation?

emfdata.org/de

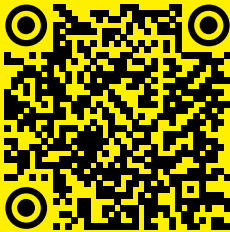


Projekt UTAMO

Fraunhofer Institut

The evidence base on 5G is still in its infancy. The UTAMO project aims to improve the facts and assess the environmental impacts of future mobile networks.

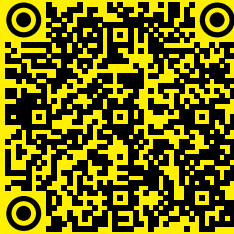
izm.fraunhofer.de/en/abteilungen/environmental-reliabilityengineering/projekte/utamo.html



The Town Without Wi-Fi Michael J. Gaynor & Joshua Cogan

Due to military interests radio signals are banned in Green Bank, West Virginia. >In electromagnetic terms, it's the quietest place on Earth (...)< Electrosensitive people love this place.

washingtonian.com/2015/01/04/the-town-without-wi-fi



**Schweiz: Genf stoppt Aufbau von
5G-Mobilfunkantennen**
heise online

Due to the unresolved situation, Swiss cantons are calling for a postponement of the 5G expansion.

heise.de/newsticker/meldung/Schweiz-Vorlaufufiges-Verbot-von-5G-Mobilfunkantennen-in-Genf-4398114.html

IMPRINT

FORESTS OF ANTENNAS, OCEANS OF WAVES
Resources

An incomplete selection of sources, links, and inspirations
2022

Edited by Daniela Silvestrin & Christoph Papendorf
Graphic design by dicey studios

www.antennenozeane.de

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