



Fieldstation nerwork 2019



Fieldstation sens- adapt-create summerschool 2016

FIELDSTATIONS ADO / NETWORK

Field Station ADO is a local node in the international fieldstations network, exploring architecture in relation with contemporary fields, connected to the anthropocene and technosphere. The ADO focusses on the agency of emerging technologies and phenomena, and their impact on the culture and practice of architecture and the environment in which we operate as architects. We propose an explorative architectural design studio, aiming to investigate the potential of architecture as a medium to disrupt, explore and raise questions, rather than solving them. The academic design office combines explorative research with hands-on architectural design exercises, field trips and workshops, providing a platform for students to develop their own interests, skills and projects within the proposed topics.

The built reality is only one layer that makes up the environments we inhabit, it is influenced by other material and immaterial layers, and it contributes to larger economic, material, environmental, informational and infrastructural systems. Within the Field Station Studio, this expanded field, this constantly changing, layered and hybrid environment as the context that architecture operates in and actively engages with. We think that architects should proactively engage this complex reality of today rather than passively waiting for design briefs and projects. Field Station Studio trains students in taking position within contemporary fields and provides them with a platform for developing their future practice. Our weapons of choice are design fiction, spatial narratives, speculative media, imagineering, hacking and critical making.



New-Territories/Francois Roche Avatar, Venice Biennale, 2010

ALTERNATIVE PRACTICES

Architecture can learn from contemporary phenomena, technologies and strategies, present in other disciplines, which might seem to be outside of the realm of architecture. We believe we need to alter our standard ways of understanding architecture and habitual modes of operation in order for architecture to remain relevant today. Adopting approaches from other fields of artistic and design practice, media arts, installation, performance, video games and interaction design, might enable us to disrupt disciplinary constraints and extend architectural practices into new domains. We are particularly interested in potential pathways being opened by new models of collaboration, open source, hacking, tinkering... etc. Students are actively encouraged to find their own set of tools media and modes of working, we expect a high quality and personal output.

Field Station Studio operates as a collective practice, breaking out of the confines of academic architectural education. The studio will travel and actively seek encounters with thinkers, makers, hackers and artists active in different fields (who are also interested in diy, out of the box, open source, hacking).



Search New Models.. [Archive] [NM Podcasts] [NM Editorial] [About]

COMPLEXITY

NOW



(Rachel Tashjian)

Is there room for mixing nonfiction & fiction in political media? (Benjamen Walker)



Whois: 26yo defense mogul Palmer Luckey (Lee Fang)

Palmer Luckey's Anduril valued at \$1B, secures a16z funding (HackerNews)

THE SHAPE of 2019

STRELKA announces next research cycle "The Terraforming"

MEMORY HOLE

Altwoke Manifesto (ANON, 2017)

Something Is Wrong on the Internet (James Bridle, 2017)

Contemporary Art, Daily (Michael Sanchez, 2011)



become? (Peter Nicholas)

ANTHROPOCENE & HYPERSTITION

The case for relinquishment: J. Franzen on deep adaptation to climate change (*New Yorker*) Flightshaming and the paradoxes of eco-purism (Rebecca Tuhus-Dubrow)



NONFOOD: NM Pod ep. 17 Feat. Lucy Chinen & Sean Raspet on food futures NM

DON'T BE EVIL

Epstein & the Bullshit Industrial Complex (Evgeny Morozov)

The complexity of philanthropy, MIT/Epstein edition (@lessig)

Jeffrey EPSTEIN & the ARTWORLD (Claire Selvin)

All of the unsealed EPSTEIN docs (US Court of Appeals)

DISSENT

The HONG KONG PROTESTS unpacked: an intyw w/ author Au Loong Yu (Kevin Lin)

@LILINTERNET'S VID of the WEEK



Tyler, The Creator: "A Boy Is a Gun," 2019, dir, Wolf Haley

ART & CULTURAL PRODUCTION



Gary Indiana on the art of Sam McKinness (Artforum)

<u>Rvw: Joachim Phoenix in Todd</u> <u>Phillip's JOKER (Richard</u> Lawson)

Stefan Kalmár remembers Lutz BACHER (Artforum)

Joshua Citarella on the launch of World of Warcraft Classic (TANK)

THE STATE of CULTURAL PRODUCTION

Dean Kissick's "Downward Spiral: August" (Spike)

Early mass media the origins of the modern public sphere (Rachael S. King)

<u>Vault: Chris Kraus x Ariana</u> Reines on the terms of autofiction (*Texte zur Kunst*, 2016)

New Models, Content Aggregator, 2019



John Frazer An Evolutionary Architecture, 1991



Cerdric Price Generator Project, 1976-79



Nicholas Negroponte SEEK, 1969-70

ARCHITECTURE AND AUTOMATION

For more than a century automation has been radically impacting different parts of society, from agriculture, manufacturing, shipping and transportation, to governance and warfare. Initially automation was mainly aimed at increasing the efficiency of and avoiding the associated with manual labour. Through developments in computation, machine learning and artificial intelligence, today automation is also affecting intellectual labour and even creative industries and design. Whereas earlier automation was usually contained to specific sites (factories, farms, logistic facilities...), through the spread of mobile devices, ubiquitous computing and data logging and processing, automation is increasingly mediating aspects of our daily lives (working, living, entertainment...) from chatbots, virtual assistants, suggestion algorithms to personalised advertisements.

Compared to other industries, architecture, engineering and construction, is one of the least automated industries. Architectural culture seems to be quite resistant against ideas of automation undermining the role of the architect and his authorship over design. Architectural design is hard to automate due to the difficulties of quantifying architectural design processes, dealing with wicked problems, that require negotiation and innovation. Material extraction and processing, the production of building components through prefabrication, are more easily automated, building construction often remains, a bespoke and one-off process that is context and site-specific.

However, the increasing computational power, the availability of vast amounts of data, development of artificial intelligence, combined with resource scarcity, increasing construction costs and housing scarcity, provide an urgency to develop the potential of architectural automation

In the studio we will explore automation as a specific driving force within the technosphere, its impact on our relation with our environment in the anthropocene, and its potential to rethink the workflows, practices and culture of architecture. We will look into automation as a content, context and tool for architecture through fieldtrips, research and hands-on design exercises.



Starting from lectures, study trips, reading, presenting and ARCHIT discussing examples and theoretical texts, the aim of the first part is to collectively identify, map and categorise potential of the How are notion of automation for contemporary architecture. In groups of architecture, students focus on a particular topic within the larger theme

of automation and explore this topic trough collecting references, and designing prototypes that demonstrate it relation and

relevance for architecture. Potential topics are: the landscapes and architectures of automation, the potential of automating design processes, the automation of the use and performance of buildings, automation of fabrication and construction processes, imagined automation as form of science fiction, automated ways of mapping, drawing and visualising our environments. The design is iteratively developed and results in a contextless design,

in the form of a series of prototypical designs collected in a FieldGuide, a catalogue of references and prototypes, its format, scale, the media used and nature of the output, twill depend on

the content of the project.



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ARCHITECTURES / LANDSCAPES OF AUTOMATION How does automation manifest itself in our envrionments? What kind of places and spatial articulations, which typologies does automation give rise to?

AUTOMATING THE ARCHITECT / DESIGN PROCESSES

Can we automate architectural design processes? What does this mean for authorship and agency in architectural practice? Can automation provide new models for collabortive practice?

THE AUTOMATED BUILDING / CITY

/INNERS

COMPETITION 201

bustle

Can we extrapolate on existing systems for cotrolling the pe formance of building in terms of function, climatisation, access, interaction with its environment? What potential deos such an extended notion of the automated building have for architecture

AUTOMATED FABRICATION / CONSTRUCTION

How can we truly automate architectural fabrication and construction beyond the repetition of craftslike production? What are the consequences of such an automated construction system in term social, envirronmental, commerical aspects of architecture?

IMAGINED / FICTIONAL AUTOMATION

What can we learn from the depiction of automation in popular culture and (science) fiction? How do we embrace/avoid the tropes and clichés these imagined technologies?

AUTOMATED MEDIATION / NEW EYES

What kind of visual language or culture might emerge from the novel ways of seeing, sensing and mapping of our environments provided by automation technologies?

For each of these potential topics we have prepared a list of references, texts and examples that can provide inpiration.

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FS1819 Architecture and Platforms Fieldguide Competing with/for/against Architecture Vincent Vergote, Thomas Rasker & Justin Dirckx

RENDER a computer-generated image and loday's main to

To render well: stroke the fantasy and leave out

To render well's stroke the farrary and leave out all social surplications, political engagement and internal problems of architecture as well as space promptse. Visual candy produced by the alcheor players in the game. <u>Direction</u>-wate hyperscalastic additecture shows an arguincy architects profession as make-up for real estate projects.

PART II: FIELD STATION

In the second part an extensive workshop will introduce studentsto the concrete situation of the former american pavilion at world expo 1958, which showcased striking examples of novel automation technologeis such as computers, electronic voting machines and robotic arms. The circular building has since been used as a telvesion studio and is now rented out as artists studios in anticipation for further development. In an individual exercise, the concepts and prototypes resulting from the first part will be

further developed and implemented through the confrontation with this concrete situation and the questions and potential it raises. Students are free to interpret this concrete situation in terms of scope, scale, program, strategy etc. Through an itterative design process this is developed into a proper architectural proposal, with its own internal logic. The nature of this project and to what aspects of the former american pavlion are adressed, how it links the past of demonstrating automation with the present and the potential fruture of automationg for architecture depends on the content of the project.



HANNES VAN SEVEREN





LEANDRO ERLICH - THE ROOTS

JOZEF WOUTERS & MEG STUÄR - PERFORMING ARCHITECTURE TIM OTTO ROTH - HEAVENS CAROUSEL



Fieldtrip, Fieldstaion HQ at Teufelsberg, Berlin, Fieldstaion Studio 2016



Workshop and review, Extra City, An

COLLECTIVE WORK

The studio operates as a non-hierarchical platform for sharing and developing ideas and collaborate with external partners, next to developing individual projects there will be collective and collaborative tasks, discussions, events, publications.

Throughout the studio, as a parallel assignment, students are asked to explore what contemporary visual languages might be possible for an for architecture in an increasingly automated world. Every week students will experiment with automated visual techniques.

We will kick-start the studio with a fieldtrip to London, visiting the Bartlett's school of architectures Institute for Computational Design, the What is radical today? 40 positions on architecture exhibition at RA and other exhibitions and venues.



twerp, Fieldstaion Studio 2017



Exhibition and debate, Design Museum Gent, Fieldstaion Studio 2018

During the studio week in November we will run an intensive workshop in collaboration with Lodewijk Heylen, an artist and researcher exploring the role of artistic disciplines in an increasingly automated world. His studio is based in the former American pavilion of Expo 58 in Brussels, which will be the starting point for the second part of the brief.

We will end the studio with a public event showcasing and debating the work, the format and location for this event still need to be determined.

The fieldguides, individual projects, the events and parallel assignment will all be published as a collective work. We will explore automated ways of publishing and mapping the produced data in a comprehensive publication.

TIMING

- W1 25.09.19 assembla
- W2 02.10.19 03.10.19 fieldtrip London
- W3 09.10.19 work session
- W4 16.10.19 work session
- W5 23.10.19 REVIEW 1
- W6 30.10.19 work session
- W7 04.11.19 08.11.19 workshop Brussels
- W8 13.11.19 work session
- W9 20.11.19 REVIEW 2
- W10 27.11.19 work session
- W11 04.12.19 work session
- W12 11.12.19 work session
- W13 18.12.19 REVIEW 3

CHRISTMAS BREAK

W14 06.01.19 - 10.01.19: final presentation + exhibition

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