

# CV: Lukáš Likavčan

## 1. Overview & Academic Qualifications

### BASIC INFORMATION

**Based in** Bratislava, Slovakia / Changsha, China  
**Nationality** Slovakia  
**Born** 13.05.1991  
**Email** [lukas.likavcan@nyu.edu](mailto:lukas.likavcan@nyu.edu) / [likavcan.lukas@gmail.com](mailto:likavcan.lukas@gmail.com)  
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**LinkedIn** <https://www.linkedin.com/in/lukáš-likavčan-795093321>  
**ORCID** 0000-0002-6957-9079

### ACADEMIC EDUCATION

2014-21 **Department of Environmental Studies, Faculty of Social Studies, Masaryk University** (Brno, CZ), PhD in Environmental Studies (date of award: 18/6/2021)  
Dissertation: *Political and Technological Imagination of the Planetary*  
1-6/2018 **Strelka Institute for Media, Architecture and Design** (Moscow, RU), The New Normal postgraduate design program (program director: Benjamin Bratton)  
2012-14 **Department of Philosophy, Faculty of Arts, Masaryk University** (Brno, CZ), MA in Philosophy (Mgr.)  
2009-12 **Department of Philosophy, Faculty of Arts, Masaryk University** (Brno, CZ), BA in Philosophy (Bc.)

### ACADEMIC POSITIONS

9/2022-5/24 **NYU Shanghai** (CN), Global Perspectives on Society Postdoctoral Fellow  
6/2019-7/22 **Center for Audiovisual Studies FAMU** (Prague, CZ), lecturer  
1/2019-2/22 **Strelka Institute for Media, Architecture & Design** (Moscow, RU), faculty

### RESEARCH POSITIONS & FELLOWSHIPS

Since 7/2024 **Center for AI & Culture, NYU Shanghai** (CN), affiliate researcher  
9-11/2024 **Panel on Planetary Thinking, Justus Liebig University Giessen** (DE), fellow  
1/2023-5/24 **Astronomy & Society Group, University of Leiden** (NL), guest researcher  
3-4/2024 **Earth-Life Science Institute, Tokyo Tech** (JP), visiting researcher  
11/2022-6/24 **Antikythera, Berggruen Institute** (Los Angeles, US), analyst & affiliate researcher  
12/2021-2/22 **Digital Arts, Academy of Fine Arts & Design** (Bratislava, SK), Future Earth Fellow  
9/2018-6/19 **BAK, basis voor actuele kunst** (Utrecht, NL), post-academic fellowship  
9-11/2017 **Hong Kong Polytechnic University, School of Design** (CN), visiting researcher  
2-3/2017 **Department of Socioeconomics, Vienna University of Economics & Business** (AT), visiting researcher

## 2. Professional Qualifications

### POSITIONS AT NON-ACADEMIC INSTITUTIONS

Since 7/24      **Antikythera, Berggruen Institute** (Los Angeles, US), researcher & project manager  
1/2020-12/22   **Display – Association for Research and Collective Practice** (Prague, CZ), curator  
5/2020-7/21    **Digital Earth Fellowship, Hivos** (The Hague, NL), concept collaborator, faculty  
1/2016-1/18    **Friends of the Earth Czech Republic** (Brno, CZ), digital strategist

### ADDITIONAL EDUCATION

30/7-8/8/18    **International Summer Academy of Fine Arts** (Salzburg, AT), Thinking with works of art (instructors: Ruth Noack & Grace Samboh)  
29/5-2/6/2017 **Eberhard Karls Universität Tübingen** (DE), Political Ecology summer school (instructor: Bruno Latour)  
20-24/2/2017 **Eberhard Karls Universität Tübingen** (DE), Phenomenology and the Framework of Givenness (instructor: Ray Brassier)  
9-12/2015     **Department of Sociology, Boğaziçi University** (İstanbul, TR), Erasmus+  
15-16/1/2015 **Open University London** (GB), Postgraduate workshop on advanced research methods, Association for Heterodox Economics

### AWARDS & COMMISSIONS OF TRUST

6/2022         **Transmediale & Pro Helvetia Digital Art Residency** (DE/CH), jury  
4/2022         **Dean's Award for Outstanding PhD Students**, Masaryk University (Brno, CZ)  
10/2020       **Ji.hlava International Documentary Film Festival** (Jihlava, CZ), jury  
5/2020-6/22   **Chair of Environmental panel, Academy of Performing Arts** (Prague, CZ)  
Since 2017     Peer-reviews for academic journals (**Semiotica, Ecological Economics, Journal of Cleaner Production, Filozofia, Filosofický časopis, Communication +1**)

### MEMBERSHIPS

**EASST** – European Association for the Study of Science and Technology, **Royal Asiatic Society** Shanghai, **Social Science of Outer Space** Network

### LANGUAGES

**Slovak** (native speaker), **English** (fluent, C2), **Mandarin Chinese** (active learner, HSK3), **French** (passive, B1), **Czech** (fluent)

### ADVANCED COMPUTER SKILLS

**Programming** (Python, JavaScript, CSS, HTML), **TeX** (Overleaf, MiKTeX), **Artificial neural networks** (fundamentals of machine learning and training dataset preparation)

### 3. Funding History

#### EXTERNAL PROJECTS

- Since 2022 **More-than-Planet** (Creative Europe, grant agreement no. 101056238), external collaborator in the project led by Waag Futurelab (Amsterdam, NL)
- 2021-22 **Landscapes of the Future** (EEA Grants, project no. KU-CA1-068), project team member (CZ/IS)
- 2020-22 Preparing **yearly public funding applications** and realizing projects at Display gallery – Ministry of Culture of the Czech Republic, City of Prague (CZ)
- 2019-20 **Slovak Arts Council** (agreement no. 19-341-03015), individual grant recipient for book translation (Alfie Bown, Playstation Dreamworld) (SK)

#### INTERNAL FUNDING

- 2020-21 **Politics of Infrastructures** (Student Grant Competition project – SGS, FAMU Prague) supervision of student artistic research of logistical infrastructures (field trips to online store warehouse & container terminal in Rotterdam) (CZ)
- 2020 **FAMU Guest Lectures** (Internal grant competition – IP, FAMU), project lead, innovation of guest lectures series for students (CZ)
- 2016-17 **Contemporary approaches to the study of environmental phenomena II+III** (Specific research grants, Masaryk University, no. MUNI/A/1004/2015 & MUNI/A/1190/2016), project team member (Brno, CZ)

#### UNSUCCESSFUL ACADEMIC FUNDING BIDS

- 2024 **Japan Society for the Promotion of Science**, Postdoctoral Fellowship (shortlisted among top 10% applications)
- 2023 **Aarhus Institute of Advanced Studies**, AIAS-AUFF Fellowship (shortlisted)
- 2023 **Marie Skłodowska-Curie Actions**, MSCA Postdoctoral Fellowship
- 2021 **The Czech Science Foundation**, GAČR Postdoc Individual Fellowship

## 4. Teaching

### OVERVIEW OF TEACHING EXPERIENCE

2-3/2025	<b>Central Saint Martins, University of the Arts London</b> (GB), lecturer (MA Narrative Environments – theory & worldbuilding module for the 2025 CSM Digital Innovation Session)
9/2022-5/24	<b>NYU Shanghai</b> (CN), lecturer ( <i>What Is New Media?</i> – undergraduate course on digital cultures and theory of media infrastructures; <i>Global Perspectives on Society</i> – undergraduate text seminars on foundations of Western & Chinese humanities and social sciences)
6/2021-9/22	<b>IF LAB, Ji.hlava International Documentary Film Festival</b> (Jihlava, CZ), head tutor of transdisciplinary program, theme: <i>Limits to Growth</i>
6/2019-7/22	<b>Center for Audiovisual Studies FAMU</b> (Prague, CZ), lecturer (courses <i>Audiovisual Cultures of Earth and Nature</i> , <i>Machine Audiovisual Cultures</i> , <i>Politics of Infrastructures I+II</i> – design research of logistical, media and computational infrastructures)
1/2019-2/22	<b>Strelka Institute for Media, Architecture and Design</b> (Moscow, RU), faculty (The Terraforming program), previously design theory tutor (The New Normal program)
5-6/2021	<b>The New Centre for Research and Practice</b> , <i>Philosophical Topology and Planetary Politics</i> course instructor (part of Post-Planetary Universal Design program)
2-6/2020	<b>Scholastika, Prague</b> , lecturer (course <i>Visual Theory and Culture</i> )
1-6/2019	<b>Hogeschool voor de Kunsten</b> (Utrecht, NL), guest teacher (MA Artistic Research)
9/2016-1/17	<b>Department of Environmental Studies, Masaryk University</b> (Brno, CZ), lecturer (graduate-level introduction to environmental philosophy)
9/2011-6/13	<b>Department of Philosophy, Masaryk University</b> (Brno, CZ), methodology tutor (undergraduate level introduction to philosophy)

### STUDENT SUPERVISION

1/22-9/24	Klára Peloušková (Academy of Arts, Architecture and Design, Prague), <b>From Radical Thought to Pragmatic Action and Back. Strategic Negotiations in Design for Sustainability</b> , PhD dissertation opponent
1/23-01/24	Nikola Ivanov (Academy of Arts, Architecture and Design, Prague), <b>Blinded by Brightness: Colonization of the Night and Space Mirrors</b> , PhD dissertation opponent
9/2021-9/22	Aleš Zůbek (Center for Audiovisual Studies FAMU, Prague), <b>Narrative aspects of game space in Hideo Kojima's <i>Death Stranding</i></b> , BA thesis supervisor
7-11/2021	Josef Mrva (Faculty of Fine Arts, Brno University of Technology), <b>Alternative ontologies: Topological imagination and topological materialism</b> , PhD dissertation advisor

## 5. Publications

### PUBLICATION METRICS

**H-index** 2 (Scopus), 5 (Google Scholar)  
**Citations** 25 (Scopus), 102 (Google Scholar)

### PEER-REVIEWED MONOGRAPHS & EDITED VOLUMES

- 2019 Lukáš Likavčan. **Introduction to Comparative Planetology**. Moscow: Strelka Press. Translations to Spanish (2022), Czech (2023) & Italian (in progress).
- 2017 Lukáš Likavčan, Jiří Růžička, Václav Janoščík (eds). **Mysl v terénu. Filosofický realismus v 21. století** (Mind in the field. Philosophical realism in the 21st century). Prague: Display & VVP AVU.

### ARTICLES IN PEER-REVIEWED JOURNALS

- 2024 Lukáš Likavčan. **Another Earth. An astronomical concept of the planet for the environmental humanities**. *Distinktion: Journal of Social Theory* 25(1), 17-36, <https://doi.org/10.1080/1600910X.2024.2326448>.
- 2023 Lukáš Likavčan. **Light, Metabolisms, Elemental Media: Theorising Human Mediality in the Anthropocene**. *Visual Resources* 38(1), 51-65, <https://doi.org/10.1080/01973762.2023.2253099>.
- 2022 Lukáš Likavčan, Manuel Scholz-Wäckerle. **The Stack as an Integrative Model of Global Capitalism**. *tripleC* 20(2), 147-162, <https://doi.org/10.31269/triplec.v20i2.1343>.
- 2018 Lukáš Likavčan, Manuel Scholz-Wäckerle. **Technology appropriation in a degrowing economy**. *Journal of Cleaner Production* 197(2), 1666-1675, <https://doi.org/10.1016/j.jclepro.2016.12.134>.
- 2018 Lukáš Likavčan. **Digital infrastructures and militarized environments. Spaces of conflict in the (post-)Anthropocene**. *Cubic* 1, 196-209, <https://doi.org/10.31182/cubic.2018.1.012>.
- 2016 Lukáš Likavčan. **Aesthetics, Ecology and Google AI: A preliminary inquiry into xenorationality**. *Sešit pro umění, teorii a příbuzné zóny* 21, 90-117.
- 2016 Lukáš Likavčan. **Critical realism and ecological economics: counter-intuitive adversaries or ostensible soulmates?** *Teorie vědy / Theory of Science* 38(4), 449-471, <https://doi.org/10.46938/tv.2016.346>.

### CHAPTERS IN PEER-REVIEWED EDITED VOLUMES

- 2023 Lukáš Likavčan, Carl C. Olsson. **Can Artificial Neural Networks Be Normative Models of Reason? Limits and Promises of Topological Accounts of Orientation in Thinking**. Groß, R. – Jordan, R. (eds). *KI-Realitäten*. Dresden: Transcript Verlag, 333-349, <https://doi.org/10.14361/9783839466605-015>.
- 2021 Lukáš Likavčan, Paul Heinicker. **Planetary diagrams. Towards an autographic theory of climate emergency**. Dvořák, T. – Parikka, J. (eds). *Photography Off the Scale*. Edinburgh: Edinburgh University Press, 211-230, <https://doi.org/10.1515/9781474478847-014>.
- 2018 Lukáš Likavčan. **Vidět jako platforma: Politická epistemologie digitálních infrastruktur** (Seeing like a platform: Political epistemology of digital infrastructures). Dvořák, T. (ed). *Epistemologie (nových) médií* (Epistemology of (new) media). Prague: NAMU, 117-150.

## **NON-PEER-REVIEWED CHAPTERS & PUBLICATIONS**

- 2024 [Lukáš Likavčan](#). **How Am I Called Upon by the Planet?** *Šum* 23, 2825-2834.
- 2024 [Lukáš Likavčan](#). **Panda Here, Panda There, Everywhere I'm Looking Now: Beyond the Fate of Charismatic Megafauna in Contemporary Visual Cultures**. In Janečková, H. (ed). *The heart of a giraffe in captivity is twelve kilos lighter* (Venice Biennale Czech Pavilion Catalogue). Prague: National Gallery in Prague, 59-63.
- 2023 [Lukáš Likavčan](#). **A planet of the selfless**. Apostol, C. L. – Nolasco-Rózsás, L. (eds). *Immerse!* Berlin: Hatje Cantz, 151-167.
- 2022 [Lukáš Likavčan](#). **Deep Politics**. Dellanoce, L. – Khalaf, A. – Kuitenbrouwer, K. – Nyabola, N. – Roukens, R. – Steiner, A. – You, M. (eds). *Vertical Atlas*. Arnhem: ArtEZ Press.
- 2020 [Lukáš Likavčan](#). **Attrition and grace: Land and sea as logistical principles**. Frejlichová, K. – Pazdera, M. – Říha, T. – Špičák, M. (eds). *Steel Cities: The Architecture of Logistics in Central and Eastern Europe*. Zürich: Park Books, 190-194.
- 2020 [Lukáš Likavčan](#). **From Remediation to Digital Plenitude and Back Again. An Interview with Jay David Bolter**. *Illuminace* 32(2), 97-107.
- 2020 [Lukáš Likavčan](#). **Geoglyphs to Live By**. *Sonic Acts Academy 2020 Reader*. Amsterdam: Sonic Acts, 53-56.
- 2019 [Lukáš Likavčan](#). **Autonomy and Necessity**. *Šum* 12, 1740-1753.
- 2019 [Lukáš Likavčan](#), Patricia Kaersenhout. **The Thread and the Gap** (co-author: P. Kaersenhout). Hlavajová, M. – Mass, W. (eds). *Propositions for Non-Fascist Living*. Cambridge, MA: MIT Press, 65-80.
- 2018 [Lukáš Likavčan](#). **Technologies of abstraction: On fossil fuels and cosmopolitan capital**. *Artalk Revue* 1.

## **ONLINE ESSAYS & CONVERSATIONS**

- 2023 [Lukáš Likavčan](#). **The Mirror and the Lake**. *Dissolving Earth*.
- 2021 [Lukáš Likavčan](#). **Earthlings**. *Fotograf Festival*.
- 2021 [Lukáš Likavčan](#). **The Possibility of Cosmopolity**. *Digital Earth*.
- 2021 [Lukáš Likavčan](#). **Carbon Care**. *Octopus Press*.
- 2020 [Lukáš Likavčan](#). **Cosmo-engineers**. *Liquid Dogmas*.
- 2020 [Lukáš Likavčan](#), Leonardo Dellanoce. **Playing (against) extinction**. *Tank Magazine*.
- 2020 [Lukáš Likavčan](#), Sofia Irene. **Face masks and politics of vulnerability**. *Strelka Mag*.
- 2020 [Lukáš Likavčan](#), Benjamin Peters. **Automation with a Socialist Face**. *Public Seminar*.
- 2017 [Lukáš Likavčan](#). **On computational layers and self-calculating nature**. *Hong Kong Review of Books*.

## **REVIEWS**

- 2022 [Lukáš Likavčan](#). **Hledání reflexivního pohybu v myšlení československého poststalinismu** (Searching for reflexive movement in Czechoslovak post-Stalinism). *Filosofický časopis* 70(3), 637-640.
- 2013 [Lukáš Likavčan](#). **Význam kontextu** (The meaning of context). *Pro-Fil* 13(2), 93-98, <https://doi.org/10.5817/pf13-2-328>.

## **TRANSLATIONS**

- 2020 **Alfie Bown**. **Playstation: Svet snov** (Playstation Dreamworld). Slovak translation.

## **FORTHCOMING**

- Forthcoming Lukáš Likavčan. **The governance of habitability**. Bratton, B. – Greenspan, A. – Konior, B. (eds). *Machine Decision Is Not Final*. Urbanomic.
- Forthcoming Lukáš Likavčan. **Prototyping value**. Crone, B. – El Baroni, B. – Poole, M. (eds). *Edinburgh University Press Companion to Curatorial Futures*. Edinburgh: Edinburgh University Press.
- Forthcoming Lukáš Likavčan. **Care for Technosphere**. *Antikythera Journal* 2/2025, MIT Press.

## **UNDER REVIEW**

- Under review Lukáš Likavčan. **The Grass of the Universe: Rethinking Technosphere, Planetary History, and Sustainability with Fermi Paradox**. Submitted to *Cosmos & History*. Preprint available at <https://arxiv.org/abs/2411.08057>.
- Under review Lukáš Likavčan. **A Planet of the Selfless. Synthetic Philosophy for Habitable Earth**. Book proposal submitted to Bloomsbury Academic series Future Theory.

## 6. Conferences & Academic Events

### SELECTED CONFERENCE PRESENTATIONS

- 17/7/2024 **The grass of the universe: "Sustainability Solution" to Fermi Paradox and the environmental implications of SETI**, EASST-4S (Amsterdam, NL)
- 7/6/2024 **Elemental Mediality of Light: Infrared Waves in Cosmic Information Ecologies**, Spirit of Space Exploration in China and the West, Duke Kunshan University (CN)
- 11/11/2023 **The planet as a boundary object: Reimagining comparative planetology as an STS tool**, 4S – Society for Social Studies of Science (Honolulu, US)
- 3/12/2021 **Cosmological shifts and artificial intelligence**, Schaufler Kolleg, TU Dresden (DE)
- 14/6/2019 **Twin Earth: Planetary models, operational images and non-human archeology** (with P. Heinicker), Network for Cinema and Media Studies (NECS), Gdańsk (PL)
- 25/4/2019 **The Convergence of Geological and Human Time in the Concept of the Planetary**, Delays/Retards French Graduate Conference, Cambridge University (GB)
- 9/11/2018 **Alt'ai – designing machine-to-machine interfaces for automated landscapes** (with Q. Lin & P. Heinicker), Photography Off the Scale, FAMU (Prague, CZ)
- 6/6/2017 **Digital infrastructures and militarized environments**, 2nd Peaceful Coexistence Colloquium (Pyhä, FI)
- 19/5/2016 **Living in the age of inhuman reason**, Reason and Affect in the Anthropocene, University of Copenhagen (DK)

### SELECTED INVITED ACADEMIC PRESENTATIONS

- 29/3/2024 **Expanding Environmental Ethics to Outer Space: "Lyfe", "Genesity", and the Story of Life in our Solar System**, Origins Study Group, ELSI, Tokyo (JP)
- 2/3/2024 **The Grass of the Universe: Fermi Paradox, Exoplanet Research and Planetary History**, Yenching Scholars Forum, Peking University (CN)
- 18/1/2024 **Theory of light: More-than-planetary archives**, "Common sensing" roundtable, Centre for Research Architecture, Goldsmiths, University of London (GB)
- 15/12/2023 **A planet of the selfless: Design brief**, Academy of Arts, Architecture and Design (Prague, CZ)
- 27/11/2023 **A planet of the selfless: Astronomy, ecology, and philosophy beyond the immunised self**, Design Academy Eindhoven (NL)
- 8/6/2023 **Invisible Landscapes** (with Ivo Bystřičan), SIEF2023 conference (Brno, CZ)
- 7/5/2021 **Intelligence and emancipation**, Leverhulme Centre for the Future of Intelligence, Cambridge University (GB)
- 8/10/2020 **What is the Planetary?** Trondheim Academy of Fine Art (NO)

### ORGANIZATION OF WORKSHOPS & ACADEMIC EVENTS

- 9/2025 **Platform Automation**, forthcoming Antikythera salon at De-Silo, Tokyo (JP)
- 23-25/10/24 **Planetary Sapience**, Antikythera symposium at MIT Media Lab (Cambridge, US)
- 2/2/2023 **Towards a Planetary Cultural Landscape** (with A. Leboho, C. Julien, K. Peloušková, S. Suess), participatory research workshop with More-than-Planet project at Transmediale (Berlin, DE)
- 2-12/2020 **FAMU Guest Lectures** (co-organizer: Hynek Alt), organization of guest speaker series for students of Center for Audiovisual Studies and Department of Photography (selected speakers: Susan Schuppli, Andrew Fisher, Institute of Anxiety)



## 7. Public Activities

### SELECTED INVITED PUBLIC LECTURES

- 23/11/2024 **Planetary Sapience** (with B. Bratton, T. Moynihan), collective contribution to Berggruen Institute's Planetary Summit, Palazzo Diedo, Venice (IT)
- 22/11/2024 **Theory of Light: Astronomy as Media Philosophy**, In Terms of Media, The Weibel Institute for Digital Cultures, Die Angewandte (Vienna, AT)
- 1/11/2024 **Timothy Morton on Hell and the Ends of the World** (with T. Morton), conversation for Ji.hlava IDFF & Faculty of Humanities, Charles University (CZ)
- 24/9/2024 **Philosophical provocations for habitable Earth**, More-than-Planet: Earth Gazes Back, Photo North seminar, Valve Cultural Centre (Oulu, FI)
- 17/8/2024 **A planet of the selfless: Practical philosophy for habitable Earth**, Aria: Worlds' End Symposium, Museum of Modern Art, Ljubljana (SI)
- 25/10/2023 **"We are the grass of the universe": On our relationship to space in the times of climate crisis**, Ji.hlava International Documentary Film Festival (Jihlava, CZ)
- 3/2/2023 **Planetary Scales** (with A. Knouf), Transmediale (Berlin, DE)
- 17/12/2022 **Comparative Planetology & Stardust** (with C. Köberl, V. Vesna, C. Schnugg & I. Long), Fosun Foundation (Shanghai, CN)
- 4/9/2021 **The Metabolic Perspective**, Vienna Biennale for Change (AT)
- 26/11/2020 **Planetary imagination and philosophical topology**, Re: View from Nowhere, CERN Arts, convened by Metahaven (Genève, CH)
- 13/11/2020 **The cosmic background of comparative planetology**, World.orbit, Het Nieuwe Instituut (Rotterdam, NL)
- 23/2/2020 **Introduction to Comparative Planetology**, Sonic Acts (Amsterdam, NL)

### OTHER OUTREACH ACTIVITIES

- Since 2020 **Podcasts guest** – Cosmogramatics #2 (hosted by M. Büsse), Sonic Acts x Ja Ja Ja Nee Nee Nee #2 (hosted by L. Dellanoce), Šum podcast #5 (hosted by T. Pogačar)
- Since 2019 **Interviews in online and printed media** – ČT24 (CZ), Denník N (SK), Právo / Novinky.cz (CZ), Dok.revue (CZ/EN), Universitas (CZ), Rádio Wave (CZ)
- 2016-18 **Diskuze A2**, co-organizer & moderator of debates with public intellectuals, focused on topics such as post-truth or feminism in late capitalism (Brno, CZ)
- 2014-17 **Regular essay contributor** to online daily A2larm (CZ) and biweekly journal A2 (CZ)

## 8. Referees

### **BENJAMIN H. BRATTON**

Associate Professor of Visual Arts | Professor of Philosophy of Technology and Speculative Design  
University of California, San Diego

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*Benjamin Bratton has been my intellectual mentor since 2018. I have been heavily influenced by Benjamin's interdisciplinary approach to political and environmental theory as well as the philosophy of technology. I have worked under his supervision both as a student and later as a faculty member at Strelka Institute for Media, Architecture and Design – a collaboration that successfully continues until these days at Berggruen Institute's Antikythera program based in Los Angeles. Our works are frequently featured together, e.g. in Strelka's book essay edition, Vertical Atlas edited volume (ArtEZ, 2022), Sheltering Places lecture series (The New Centre for Research & Practice, 2021), or most recently at the Berggruen Institute's Planetary Summit in Venice (Palazzo Diedo, 2024).*

### **ANNA GREENSPAN**

Associate Professor of Contemporary Global Media  
New York University, Shanghai

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*Anna Greenspan has been my postdoctoral supervisor at NYU Shanghai. We have engaged in deep mutual intellectual exchange as we co-taught the undergraduate course "What Is New Media" in the spring 2024 semester at the Interactive Media Arts program. Anna is also a co-editor of the volume Machine Decision Is Not Final (Urbanomic, forthcoming in 2025), which includes my contribution to environmental governance and topologies of digital infrastructures.*

### **JUSSI PARIKKA**

Professor in Digital Aesthetics and Culture, Aarhus University

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*Jussi Parikka is one of the key scholars in my network of personal theoretical mentors. We used to be colleagues at FAMU in Prague, where Jussi engaged me in some peripheral activities of his Operational Images project funded by EXPRO – Czech Science Foundation (GAČR). Since then, we frequently exchange research and publication ideas, as well as collaborate on funding bids (e.g. an unsuccessful MSCA Fellowship application in 2023).*

## 9. Project Portfolio

### EARTHSUITS (2024- )

*Project co-author with Stephanie Sherman & Rachel Pearl, MA Narrative Environments, UAL Central Saint Martins, London (GB)*

**Annotation:** *Earthsuits* is a multi-year R&D project exploring the histories and futures of wearables, focused on the potential for fundamentally transform human adaptation, augmentation and extension if the potential of AI, spatial computing, sonic interfaces, synthetic sensing, adaptive materials, and other emerging technologies is leveraged towards deep function. Launching in 2025, *Earthsuits* is assembling a growing network of collaborators from across continents, industries, and academic disciplines to think through this speculative space and its applications. The project draws together insights from emerging tech, climate, fashion, environmental humanities, science and technology studies, mobility studies and prosthetics, neuroscience, architecture and infrastructure, culture and myriad design disciplines.

The first iteration of *Earthsuits* will be the theme of the next Digital Innovation Season, a programme on emerging technologies at Central Saint Martins that occurs each February. The 2025 programme of events includes public talks by *Earthsuits* curators Stephanie Sherman and Lukáš Likavčan, alongside Xin Liu (space artist), Michael Salu (editor, curator, and author of *Red Earth*), Tilly Lockey (teenage bionic designer and speaker), Nicholas de Monchaux (author of *Spacesuits*, MIT Press) and Alex McDowell (worldbuilder, futures for *Minority Report*, the international worldbuild 'Junk').



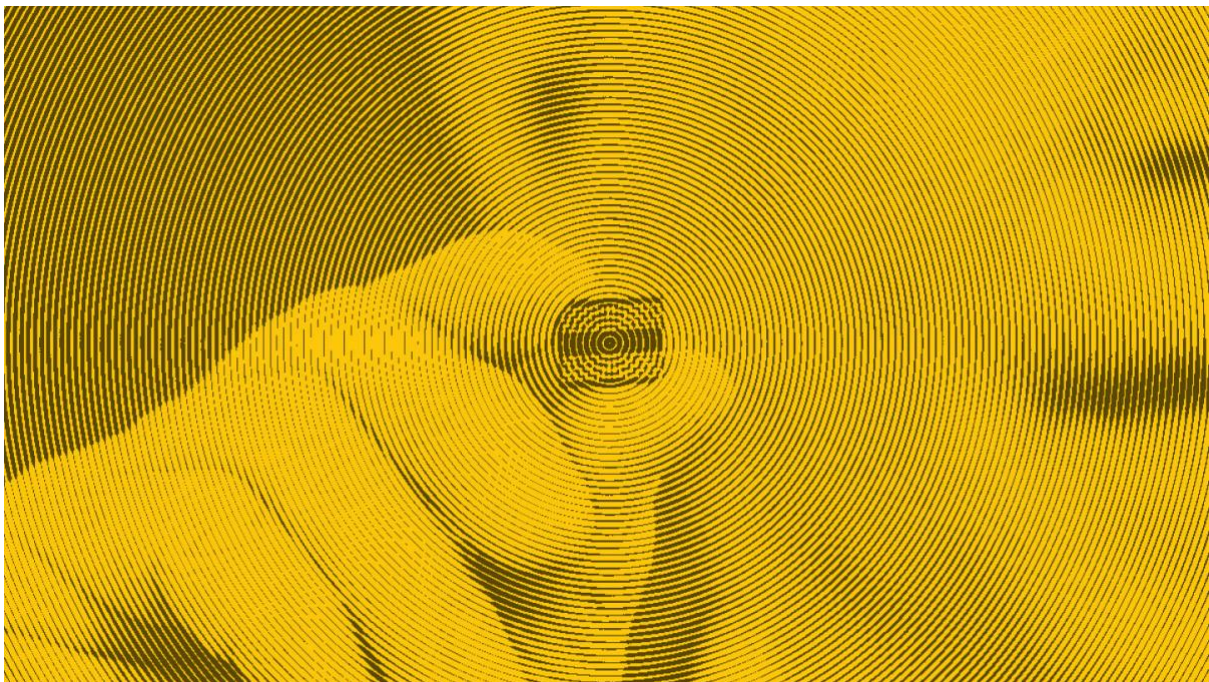
*Visuals from Earthsuits online presentation. Design courtesy of Eleonora Ortolani.*

## [FUTURES OF MULTIPOLAR COMPUTATION: HEMISPHERICAL STACKS \(2024- \)](#)

*Project coordinator, managing editor and lead researcher, Antikythera, Berggruen Institute, Los Angeles (US)*

**Selected featured authors and speakers:** Stanley Chan, Benjamin Bratton, Taiyo Fujii, Anna Greenspan, Suhail Malik, Christina Lu, Nils Gilman, Claire Webb, Aaron Maniam, Chor Pharn Lee, Trisha Ray, Xu Yingjing, Dalena Tran, Iris Long

**Annotation:** Hemispherical Stacks is one of the core research themes of the Antikythera speculative think tank at the Berggruen Institute, led by philosopher of technology Benjamin Bratton in collaboration with science-fiction author Stanley Chan. It is based on the claim that contemporary geopolitical dynamics revolve around computation. Cloud platforms take on roles traditionally performed by modern states, crossing national borders and oceans. Meanwhile, states morph into cloud platforms, and the near-term future becomes a contested territory of adversarial geopolitical ambitions. For this reason, the project – originally titled Futures of Multipolar Computation – places special emphasis on the cultivation of scenario fictions as a method of probing possible futures, thus bringing together insights of RAND-style scenario planning, science fiction narratives and system novels. This is done through publication of commissioned scenario fictions in Antikythera's MIT Press journal and its upcoming book project, as well as through curating invite-only events for members of the Hemispherical Stacks Network, composed of leading scholars, policy-makers, and consultants on geopolitics of computational technologies.



*Visuals from Hemispherical Stacks online presentation. Design courtesy of Andrey Karabanov, photo courtesy of Doug Mills.*

## **AFTER SILICON (2024- )**

*Independent research project co-authored with Christopher Burman*

**Annotation:** After Silicon is a project that explores the future of computation and storage. The project focuses on alternative substrates and speculative futures of biocomputing, and it aims to provide a new framework for thinking about radically different model of what computation is and where happens. Biocomputing blurs the boundary between life and non-life, and challenges traditional understanding of computation as an activity invented by humans and embodied in discreet technical artefacts. Perhaps the historical role of computers as we know them - a.k.a. the good old-fashioned computation - was to offer us new philosophical perspective, one that would eventually enable us to see computational processes in the very foundations of living matter. Since the affordances of living matter are about to be tapped into contemporary global economy hungry for computational scale, are you prepared for the future where you can spill your computer on the floor?



# After Silicon

A next model of infrastructure of bio-computing, DNA-storage and hybrid systems is rapidly emerging, requiring radically different model of what computation is and where happens.

In a world now dependent on ubiquitous silicon hardware - are we ready for what might be growing in the lab?

Start Reading: [OO. So long Silicon. \[→\]](#)

A project by Christopher Burman & Lukáš Likavčan

*Visuals from After Silicon online presentation. Design courtesy of the authors.*

### **MICROMESSAGES I-III (2024)**

*Artwork produced in collaboration with Tomáš Kocka Jusko & Pavlína Čambalová*

**Annotation:** Originally produced for an interdisciplinary group exhibition Confluence at Marignana Arte in Venice, Micromessages I-III are three sculptural objects featuring petri dishes with miniature text engravings visible only through magnifying lenses. The aesthetics of the objects reference to laboratory apparatuses used to make microscopic aspects of nature visible and sensible. In this case, the role of laboratory tools is reversed – they turn human ideas, which are standardly visible in exhibition spaces as textual inscriptions, into invisible, thin layer resembling a biofilm prepared for chemical examination. The engravings feature three citations by sci-fi authors Karl Schröder and Stanisław Lem, as well as a theologian Marika Rose, which all address the embeddedness of human technology and culture in biogeochemical substrate of our planet.



*Micromessages I. Photo courtesy of Aleksandra Vajd.*

## **INSPIRATION FORUM LAB: LIMITS TO GROWTH (2021-22)**

*Tutor, concept creator with Zbyněk Baladrán, Lenka Hamošová, Tereza Swadoschová, Iveta Černá*

**Participants:** Giulia Faccin, Hana Komanová, Burak Korkmaz, Jitka Králová, Jaroslav Michl, Pedro F. Neto, Ján Skaličan and Karolína Žižková

**Annotation:** The Inspiration Forum Lab is an interdisciplinary research program of International Documentary Film Festival Ji.hlava, designed to provide a space where artists and scientists can meet and work together on creating collaborative research-based art projects. The aim is to combine the languages of science and art to find forms of expression that can communicate to audiences beyond the boundaries of each of these two worlds. The first iteration of the program in 2021-22 brought together 9 researchers exploring the topic of “Limits to Growth”.



*Visuals and members of the first cohort of IF LAB. Photos courtesy of IDFF Ji.hlava, and Display.*

## **FUTURE LANDSCAPES (2021-22)**

*Researcher & film + podcast protagonist with Pan Thorarensen, Magnús Bergsson, Sara Pinheiro, Václav Havelka & Ivo Bystřičan*

**Locations:** Žarošice underground CO<sub>2</sub> storage (CZ), Kaly aquaponic farm (CZ), Milovice rewilding park (CZ), Tušimice coal power plant (CZ), Búðarháls hydropower plant (IS), Fagradalsfjall volcano (IS), Fjallsárlon glacier lagoon (IS), Hellisheiði geothermal power plant (IS), Carbfix carbon withdrawal (IS).

**Annotation:** Multidisciplinary research project, podcast, and a documentary film about sonic profiles of infrastructural landscapes, which uses methods of field recording to understand the places where energetic, agrarian, natural, and political processes take place. Sound is the starting point for revealing elements, relationships, and structures that are not visible and yet foreshadow the challenges of the near future, thus posing the question: What does sound tell us that image does not?



*Filming of Invisible Landscapes (2022, dir. Ivo Bystřičan) at Hellisheiði. Photo courtesy of Matěj Piňos.*



## **FOTOGRAF FESTIVAL 11: EARTHLINGS (2021)**

*Head curator, Prague (CZ)*

**Locations in Prague:** National Museum of Agriculture, National Technical Library, Karlin Studios, Fotograf Gallery, Světova 1, litost, Display, etc. gallery, GAMU, Artwall

**Selected contributors:** Denise Ferreira da Silva & Arjuna Neuman, Amy Balkin, Gustafsson&Haapoja, Robert Zhao Renhui, Nico Alexandroff, Susan Schuppli, Haseeb Ahmed, Jenna Sutela, Tega Brain & Julian Oliver & Bengt Sjöln, Anetta Mona Chişa, Tomáš Kocka Jusko & Alex Selmecci, Stano Filko, Michal Kindernay, Emilija Škarnulyté, Abelardo Gil Fournier, Lucie Rosenfeldová, Institute of Anxiety with Karolína Matušková & Lucie Zelmanová & Ondřej Šebestík, Denisa Langrová, Extrasensory Aesthetics Working Group, João Maria Gusmão & Pedro Paiva

**Documentation:** Video documentation [here](#), photo documentation [here](#)

**Annotation:** The eleventh edition of the Fotograf Festival tasks itself with uncovering the traces, perspectives, and signals offered by the planet itself, and their channelling into the broad field of aesthetic practices that help us understand what it means to be Earthlings – competent observers of the changes taking place in our immediate surroundings – both generally and here and now, in Central Europe. At present, the public debate is dominated by the authority of expert images that describe ongoing changes and forthcoming catastrophes. Only seldom do we encounter images that exceed the established norms of scientific representation. Moreover, those people who are directly affected by environmental changes are heard little or not at all. The presence of the planet as an active force producing its own images and means of disseminating them, however, gives power to these unheard voices and unseen images.



*Installation view of Asunder (2019) by Tega Brain, Julian Oliver, and Bengt Sjöln at the National Museum of Agriculture in Prague during Fotograf Festival 11. Photo courtesy of Jan Kolský.*

### THE MOONS OF PLUTO (2021)

Co-author of audiovisual work with András Cséfalvay, originally commissioned for KW Institute for Contemporary Art, Berlin (DE)

**Annotation:** The Moons of Pluto is an audiovisual commentary that recuperates – in the spirit of Sylvia Wynter's duality of *bios* and *mythoi* – the notion of the human as a storyteller, and it surveys narratives about ancestry and cosmic origins. By doing so, it mobilises mythical-poetical resources of Western science, usually obfuscated by modernist insistence on rationality. Elements of astronomy, thermodynamics, and metaphysics are enacted as 'selenological' figures – the five moons of Pluto (Charon, Kerberos, Nyx, Styx, and Hydra) – and their stories weave together a hidden web of associations that unveil the cosmic background of the Western culture.



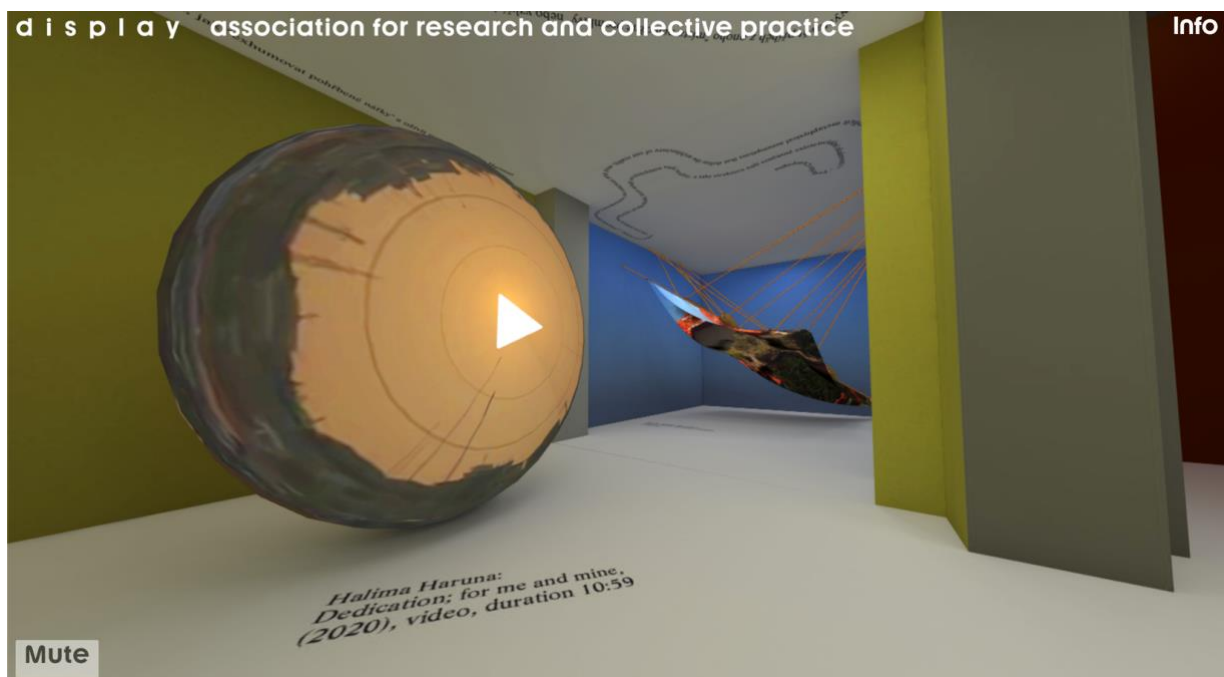
Film stills from *Moons of Pluto* (2021) by Lukáš Likavčan & András Cséfalvay. Image courtesy of the authors.

## TECHNOLOGIES OF THE SACRED (2020)

Curator of the online exhibition, *Display, Prague (CZ)*

**Contributors:** Alice dos Reis, András Cséfalvay, Halima Haruna, Holly Childs, Danae Io, Adéla Součková, Hana Janečková, K Allado-McDowell, Federico Campagna, The Rodina

**Annotation:** The task of the research exhibition *Technologies of the Sacred* is to rethink the boundaries between technology and religion. It claims that the disenchanted world of the modern era is but a continuation of sacral tendencies otherwise. Magical thinking is camouflaged as technical rationality, which needs the sphere of the sacred as its hidden source of secular majesty. This approach allows us to reformulate our relationship to what technology essentially is, and to craft new cultural practices for an age when the world as we know it is irretrievably falling apart. What is it that we should be mourning, and what songs of praise should we be singing to the world to come?



*Installation view of the online exhibition Technologies of the Sacred (2020). Artworks courtesy of Halima Haruna & Holly Childs.*