

Mar Canet Sola

ARTIST · PROFESSOR · RESEARCHER · PHD CANDIDATE

Tallinn, Estonia

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📄 <https://scholar.google.com/citations?user=ho9udkAAAAAJ&hl=es>

Education

Baltic Film, Media and Arts School of Tallinn University (Estonia)

Tallinn, Estonia

PHD IN AUDIOVISUAL ARTS TRACK

2020 - present

- Title: Opening a Toolbox of Artistic Strategies with Generative AI.
Advisor: Dr. Maximilian Schich

Computational media arts department, University Hong Kong Science and Technology

Hong Kong, China

VISITING RESEARCHER

Sep 2021 – Feb 2022

IAMAS

Ogaki, Japan

VISITING RESEARCHER

May-July 2011

University of Art and Design Linz (Austria)

Linz, Austria

MA INTERFACE CULTURE

September 2008 - June 2017

- Advisor: Dr. Christa Sommerer

University of Central Lancashire (UK)

Preston, UK

B.Sc. (HONS) IN COMPUTER GAME DEVELOPMENT

September 2006 - May 2008

School Design ESDi, Ramon Llull University (Spain)

Sabadell, Spain

HONORS BACHELOR IN ELECTRONIC ART AND DIGITAL DESIGN

October 2000 to June 2006

Professional Experience

October

2024 –

September

2025

Substitute professor (W2), Academy of Media Arts Cologne (KHM) (Cologne, Germany)

August

2024 –

June 2025

Visiting scientists, Max Planck Institute for Human Development - Center for Humans and Machines (Berlin, Germany)

Sep 2020 –

present

Junior Researcher, CUDAN Open Lab at Tallinn University (Tallinn, Estonia)

May 2020 –

December

2020

Adjunct lecturer, Interactive Experiences BA, Elisava Barcelona School of Design and Engineering (Barcelona, Spain)

Feb 2020 –

Dec 2020

Guest researcher, Extended Reality Lab, City University Hong Kong (Hong Kong, China)

Sep 2019 –

Jun 2021

Adjunct lecturer, Universitat Oberta de Catalunya (Barcelona, Spain)

May 2019	Visiting Lecturer , master program "Computer System Information security", ITMO (St.Petersburg, Russia)
Oct - Dec 2018	Visiting Lecturer , Digital Media Design, University of Hertfordshire (Hatfield, UK)
Nov 2018	Guest Professor , Blekinge Technical Institute (Karlshamn, Sweden)
Nov 2011 - present	Co-founder and Director , Varvara & Mar Studio, (Tallinn, Estonia)
Oct 2008 - Jan 2011	Creative engineer , Futurelab Ars Electronica Linz GmbH (Linz, Austria)
Feb - Apr 2010	Technical Line Producer , Banff new media institute (Banff, Canada)
Jul - Sep 2007	Summer fellowship , Futurelab Ars Electronica Linz GmbH (Linz, Austria)
Sep 2004 - Jul 2006	Research fellow , School Design ESDi, Ramon Llull University (Sabadell, Spain)

Publications

ACCEPTED

Guljajeva, Varvara; **Canet Sola, Mar**. 2024. We are the Clouds: Strategies for Combining Interaction and Participation in Urban Media Art. Proceedings of the 29th International Symposium on Electronic Art (ISEA) 2024, June 21–29, 2024, Brisbane, Australia.
<https://doi.org/10.48550/arXiv.2406.13883>

PUBLISHED

Mar Canet Sola; Varvara Guljajeva. 2024. Visions of Destruction: Exploring a Potential of Generative AI in Interactive Art. The 17th International Symposium on Visual Information Communication and Interaction (VINCI '24) will be held during 11-13 December 2024, in Hsinchu, Taiwan.

Alejandro Hernandez, Levin Brinkmann, Ignacio Serna, Nasim Rahaman, Hassan Abu Alhaija, Hiromu Yakura, **Mar Canet Sola**, Bernhard Schölkopf, Iyad Rahwan. Alien Recombination: Exploring Concept Compositions Beyond Human Cognitive Availability in Visual Art. NeurIPS 2024 Workshop on Creativity & Generative AI

Varvara Guljajeva, **Mar Canet Sola**, Lauri Kilusk, Martin Melioranski, Kaiko Kivi. 2024. Loading Ceramics: Visualising Possibilities of Robotics in Ceramics. 2024 IEEE VIS Arts Program (VISAP), St. Pete Beach, FL, USA, 2024, pp. 53-68, doi: 10.1109/VISAP64569.2024.00009.

Mila Oiva, Tillman Ohm, Ksenia Mukhina, **Mar Canet Solà**, and Maximilian Schich (2024). Soviet View of the World. Exploring Long-Term Visual Patterns in "Novosti dnia" Newsreel Journal (1945-1992). Journal of Cultural Analytics, 9(4).
<https://doi.org/10.22148/001c.118495>

Varvara Guljajeva, **Mar Canet Sola**, and Isaac Clarke (2024). "Artist-Guided Neural Networks –Automated Creativity or Tools for Extending Minds?" In: Artificial Intelligence –Intelligent Art: Interdisciplinary Approaches to the Future of AI and Art. Ed. by Michael Fleck Lukas Jünger Lorena Jacobi. Bielefeld: transcript Verlag, pp. 59–77. ISBN: 978-3-8376-6922-0.
<https://www.transcript-publishing.com/978-3-8376-6922-0/artificial-intelligence-intelligent-art/>

Oiva, Mila and Mukhina, Ksenia and Zemaityte, Vėjune and Karjus, Andres and Tamm, Mikhail and Ohm, Tillmann and Mets, Mark and Chávez Heras, Daniel and **Canet Sola, Mar** and Juht, Helena Hanna & Schich, Max (2024). A framework for the analysis of historical newsreels. Humanities and Social Sciences Communications, 11(1), 1-15.
<https://www.nature.com/articles/s41599-024-02886-w>

Canet Sola, Mar; Guljajeva, Varvara. 2024. Visions Of Destruction: Exploring Human Impact on Nature by Navigating the Latent Space of a Diffusion Model through the Gaze. International Conference on Tangible, Embedded, and Embodied Interaction (TEI '24), February 11-14, 2024, Cork, Ireland.
<https://doi.org/10.1145/3623509.3635319>

Jones, Lee; Grip, Greta; Kourtoukov, Boris; Guljajeva, Varvara; **Canet Sola, Mar**; Nabil, Sara. 2024. Knitting Interactive Spaces: Fabricating Data Physicalizations of Local Community Visitors with Circular Knitting Machines. International

Conference on Tangible, Embedded, and Embodied Interaction (TEI '24), February 11-14, 2024, Cork, Ireland.
<https://doi.org/10.1145/3623509.3633359>

Guljajeva, Varvara; **Canet Sola, Mar** and Clarke, Isaac. 2023. Artistic Strategies to Guide Neural Networks. Proceedings of the 28th International Symposium on Electronic Art (ISEA), May 16–21, 2023, Paris, France. 461–470.
<https://doi.org/10.69564/ISEA2023-62-full-Guljajeva-et-al-Artistic-Strategies>

Guljajeva, Varvara; **Canet Sola, Mar** and Kuzmin, Iurii. 2023. Telematic Performance Forced by Pandemic: NeuroKnitting Beethoven. In the International Journal of Performance Arts and Digital Media.
<https://doi.org/10.1080/14794713.2023.2270790>

Canet Sola, Mar; Korepanova, Antonina; Mukhina, Ksenia and Schich, Maximilian. 2023. Quantifying Collection Lag in European Modern and Contemporary Art Museums. The 16th International Symposium on Visual Information Communication and Interaction (VINCI '23) will be held during 22-24 September 2023, in Guangzhou, China.
<https://doi.org/10.1145/3615522.3615562>

Ohm, Tillman, **Canet Sola, Mar**, Karjus, Andres and Schich, Maximilian. 2023. Collection Space Navigator: An Interactive Visualization Interface for Multidimensional Datasets. The 16th International Symposium on Visual Information Communication and Interaction (VINCI '23) will be held during 22-24 September 2023, in Guangzhou, China.
<https://doi.org/10.1145/3615522.3615546>

Guljajeva, Varvara; **Canet Sola, Mar**,. 2023. Interactive NeuroKnitting: Knitting with Your Brain. The 16th International Symposium on Visual Information Communication and Interaction (VINCI '23) will be held during 22-24 September 2023, in Guangzhou, China.
<https://doi.org/10.1145/3615522.3615573>

Karjus, A., **Canet Sola, Mar**, Ohm, T., Ahnert, S. E., & Schich, M. 2023. Compression ensembles quantify aesthetic complexity and the evolution of visual art. Journal EPJ Data Science.
<https://doi.org/10.1140/epjds/s13688-023-00397-3>

Guljajeva, Varvara; **Canet Sola, Mar** and Clarke, Isaac. 2023. Explaining CLIP through Co-Creative Drawings and Interaction. Proceedings of the 14th International Conference on Computational Creativity (ICCC). June 19 – June 23, 2023, at the University of Waterloo in Ontario, Canada

Guljajeva, Varvara and **Canet Sola, Mar**. 2023. AI-aided Ceramic Sculptures: Bridging Deep Learning with Materiality. Proceedings of the 12th International Conference on Artificial Intelligence in Music, Sound, Art and Design (EvoMUSART) 2023, April 12–14, 2023, Brno, Czech Republic.
https://doi.org/10.1007/978-3-031-29956-8_23

Guljajeva, Varvara and **Canet Sola, Mar**. 2023. Psychedelic Forms - Ceramics and Physical Form in Conversation with Deep Learning. Proceedings of the Seventeenth International Conference on Tangible, Embedded, and Embodied Interaction (TEI '23), February 26-March 1, 2023, Warsaw, Poland. <https://doi.org/10.1145/3569009.3576191>

Guljajeva, Varvara and **Canet Sola, Mar**. 2023. NFT Shop and Sense making of the NFT Art Market. Is NFT a blessing or a curse to digital art?. In Computer and Media Art at the Age of Metaverse and NFT, proceedings of CAC.7. Published as e-book by Europaia Productions, Paris (<https://europaia.fr>), ISBN 979-10-90094-58-1

Guljajeva, Varvara and **Canet Sola, Mar**. 2022. Dream Painter: an Interactive Art Installation bridging Audience Interaction, Robotics, and Creative AI. Proceedings of the 30th ACM International Conference on Multimedia (MM '22), October 10–14, 2022, Lisbon, Portugal. <https://doi.org/10.1145/3503161.3549976>

Guljajeva, Varvara and **Canet Sola, Mar**. 2022. POSTcard Landscapes from Lanzarote. ACM International Conference Proceeding Series: Creativity and Cognition (C&C '22), June 20–23, 2022, Venice, Italy. ACM , 634–636.
<https://doi.org/10.1145/3527927.3531191>

Guljajeva, Varvara and **Canet Sola, Mar**. 2022. Keep Smiling. xCoAx 2022 Proceedings of the 10th Conference on Computation, Communication, Aesthetics & X - 2022 (<https://xcoax.org/>), Coimbra (Portugal), 20-23, June 2022. Ed. André Rangel, Luísa Ribas, Mario Verdicchio, Miguel Carvalhais. xcoax, 340–346.
https://doi.org/10.24840/xCoAx_2022_66

Canet Sola, Mar and Guljajeva, Varvara. 2022. Dream Painter: Exploring creative possibilities of AI-aided speech-to-image synthesis in the interactive art context. Proc. ACM Computer Graph. Interactive Technology, Vol. 5, No. 4, Vancouver, Canada <https://doi.org/10.1145/3533386>

Canet Sola, Mar. 2022. The Age of intelligent reproduction and machine learning creativity. In: Raivo Kelomees, Varvara Guljajeva, Oliver Laas (Ed.). The Meaning of Creativity in the Age of AI. Tallinn: Estonian Art Academy

Canet Sola, Mar and Guljajeva, Varvara. 2021. ENA Participate Art Forms During Pandemics. HyMEx Hybrid Museum Experience Symposium 2021 Proceedings: HyMEx. Ed. Kálmán, Borbála; Nolasco-Rózsás, Lívía. 2021: Ludwig Museum – Museum of Contemporary Art, Budapest (HUN), 78–83.

Canet Sola, Mar; Guljajeva, Varvara and Cassinelli, Alvaro. 2021. The Beautiful Encounters. In 10th International Conference on Digital and Interactive Arts (ARTECH 2021), October 13-15, 2021, Aveiro, Portugal, Portugal. ACM, New York, NY, USA, 4 Pages. <https://doi.org/10.1145/3483529.3483744>

Guljajeva, Varvara; **Canet Sola, Mar.** 2021. ENA - participative art forms in the time of pandemic. In: New Media Art 2022. CICA Museum

Guljajeva, Varvara; **Canet Sola, Mar.** 2015. An Example of Soft Digital Fabrication. In: Irini Papadimitriou, Andrew Prescott, Jon Rogers (Ed.). Crafting Our Digital Futures. London: Uniform Communications.

Guljajeva, Varvara; **Canet Sola, Mar.** 2014. NeuroKnitting. First steps toward neuro fabrication. In: Piibe Piirma, Veronika Valk (Ed.). RHIZOPE. Art & Science - Hybrid Art and Interdisciplinary Research (85–88). Tallinn: Estonian Academy of Arts.

Guljajeva, Varvara; **Canet Sola, Mar.** 2013. Knitic – The Revolution of Soft Digital Fabrication. In: Michelle Baggerman, Danielle Arets (Ed.). Social Fabric (46–50). Eindhoven, The Netherlands: Eindhoven Design Academy.

Canet Sola, Mar. 2013. El videojuego es un laboratorio. Article published at magazine: "BIT Y APARTE. (Published in Spanish)

Guljajeva, Varvara; **Canet Sola, Mar** and Stubbs, Mike. 2012. The Conceptualisation of Urban Media: FACT's 'Disco Window'. In: Susa Pop, Ursula Stalder, Mirjam Struppek, Gernot Tscherteu (Ed.). Urban Media Cultures (52–56). Germany: Av Edition.

Guljajeva, Varvara; **Canet Sola, Mar.** 2012. The development and role of personal manufacturing. Case study: Open Knitting. MutaMorphosis, Prague.

Canet Sola, Mar. 2012. "Innovación en interfaces para videojuegos desde el Game Art" (Published in Spanish) at journal edited by Institute of Youth Spanish Government number 90 titled: "Videojuegos y Juventud"

Guljajeva, Varvara; **Canet Sola, Mar.** 2011. The Rhythm of City. Geo-located Social Data as an Artistic Medium. ISEA, Istanbul September 2011.

Awards, Fellowships, & Grants

- Paper Honorable Mention Award of Vinci'24 Conference.** , For the article: "Visions of Destruction: Exploring a Potential of Generative AI in Interactive Art" by Mar Canet Sola; Varvara Guljajeva (2024). <https://dl.acm.org/doi/10.1145/3678698.3687185>
- 2024 **AI Art Residency**, Max Planck - Center for Humans And Machines (Berlin, Germany)
- Award Tallinn University** , Best student research publication of 2023 with the article: "Quantifying Collection Lag in European Modern and Contemporary Art Museums". <https://dl.acm.org/doi/pdf/10.1145/3615522.3615562>
- Artistic Residency**, The Research Project "A Third Hand – Creative Applications for Robotics" is conducted at ECAL/University of Art and Design Lausanne, Switzerland by AATB (Andrea Anner & Thibault Brevet), Alain Bellet and Martin Hertig.
- 2023
- Time-lapse migration project awarded Startup meets Artist**, Mediafutures - part of EU funding program S+T+ARTS
- 2022
- Innovation award**, Slovenian Ministry of Technology Development
- Art Residency**, Espacio Open, Bilbao, Spain
- Mobility grant for 14th ACM Creativity & Cognition conference**, Dora Plus 1.1 Mobility scholarship, Estonia
- Mobility grant for 10th xCoAx conference**, Dora Plus 1.1 Mobility scholarship, Estonia
- 2021
- Acquisition award**, National Collection of Contemporary Art of the Generalitat de Catalunya, Spain
- Acquisition award**, Sculpture Garden of Voronja Gallery, Estonia
- Artist Residency**, Tabakalera Centre for Contemporary Culture (San Sebastian, Spain)
- Artist Residency**, Abello Museum (Mollet del Valles, Spain)
- Artist Residency**, DDT Lab (Trobvlje, Slovenia)
- 6 months artistic practice grant**, Cultural Endowment of Estonia
- Award best creative project 2020**, Tallinn University (Tallinn, Estonia)

- 2020 **2nd prize, public art competition VITA building**, Tallinn University (Tallinn, Estonia)
- 2019 **Finalist for Boyce-Gyro Beach Park Public Art Stage Two**, City of Kelowna, Canada
Artist residency, WasteArt (Estonia and Latvia)
Artist residency, JustMad art fair (Madrid, Spain)
- 2018 **2nd prize, public art competition**, Fat Margaret by Marine Museum of Estonia
Artist residency, Maajaam (Neeruti, Estonia)
- Artist residency 3angled residency**, hTh – CDN de Montpellier (Montpellier, France),
2017 Eufònic (Sant Carles de la Rapita, Spain), Addaya Centre d'Art Contemporani (Palma de Mallorca, Spain)
Artist residency, A.I.R. Blekinge Baltic (Ronneby, Sweden)
Artist residency SPUR, Bolit Contemporary Art Centre (Girona, Catalonia)
12 months artistic practice grant, Cultural Endowment of Estonia
Artist residency FAM, Fab Lab Limerick (Ireland)
- 2016 **Artist residency 12 Miradas**, Riveira Sacra (Chantada, Spain)
3rd prize, public art competition Põlva Gümnaasium, RKAS, Estonia
1st prize, public art competition NUKU Theatre, RKAS, Estonia
3rd prize, public art competition Pronksi 12, RKAS, Estonia
Finalists in public art competition Green Square Library and Plaza, Sydney, Australia
Research grant and Art production, Rambleta, Spain
- 2015 **Nominated to Green Square Library and Plaza Public Art Stage Two**, City of Sydney (Sydney, Australia)
FabAwards 3rd prize, Tokio, Japan
Award of 3D Printing Contest, Instructables
- 2013 **Prix Ars Electronica Digital Communities honorary mention award for "Casastristes"**, Derivart collective (Linz, Austria)
Artist residency, Subnet AIR (Salzburg, Austria)
Artist residency, Constant Variable (Brussels, Belgium)
- 2012 **Artist residency**, Seoul Art Space Geumcheon (Seul, South Korea)
Artist residency, Marginalia+Lab, Belo Horizonte, Brazil
Artist residency, Verbeke Foundation (Stekene, Belgium)
Acquisition award, Baltic Goes Digital contest (Gdansk, Poland)
Artist residency M4m, MU Gallery (Eindhoven, Netherlands)
- 2011 **Artist residency**, Crida (Palma de Mallorca, Spain)
Artist residency EMARE, FACT Liverpool, UK
- Spreadplayer artwork by Derivart collective was featured in the cover page of the**
2010 **German Art magazine KunstForum number 200**, German Art magazine KunstForum, Germany
Award, Participatory Architecture by Media Architecture Biennale, Lummoblocks project, FACT Liverpool, UK
- 2009 **Artist scholarship 10 months mobility grant to study MA in Austria**, CoNCA (Barcelona, Spain)
6 months research project grant, CoNCA (Barcelona, Spain)
- 2007 **Artist scholarship 10 months mobility grant to study in UK**, CoNCA (Barcelona, Spain)
- 2006 **Inéditos young curators award**, Caja Madrid (Madrid, Spain)

2004 **1st Prize with Nodemail**, Visualsound, net.art category (Barcelona, Spain)

Teaching Experience

IN UNIVERSITIES

Spring 2024	Technological Space (2 ECTS). Master interior design , Lecturer	<i>EKA, The Estonian Academy of Arts, Estonia</i>
Fall 2023	Navigating visual collections using image embeddings , Lecturer	<i>Tallinn university, Estonia</i>
Spring 2023	Collective Intelligence Web3 Workshop. Master in Design for Emergent Futures (MDEF) (3 ECTS) , Lecturer	<i>IAAC, Institute for Advanced Architecture of Catalonia, Spain</i>
Fall 2022	Creative AI: Danger or opportunity. Master in Contemporary Art (3 ECTS) , Lecturer	<i>EKA, The Estonian Academy of Arts, Estonia</i>
Fall 2022	Creative AI: Danger or opportunity. Master in Textile design (1 ECTS) , Lecturer	<i>University of Borås, Sweden</i>
Fall 2022	Creative AI: Danger or opportunity. Master in Audiovisual Innovation & Interactive Environments (3 ECTS) , Lecturer	<i>BAU, College of Arts & Design of Barcelona, Spain</i>
Fall 2022)	Introduction to Arduino. BA in Design (1 ECTS) , Lecturer	<i>Blekinge Institute for Technology, Sweden</i>
Fall 2019, Spring and Fall 2020, Spring 2021	Data visualization. Master Applied Data Science. Computer Science, Multimedia and Telecommunication Studies (6 ETCS) , Lecturer	<i>Universitat Oberta de Catalunya, Spain</i>
Fall 2020	Alternative Displays. Project-based elective course for BA in Design students (1 ETCS) , Lecturer	<i>Elisava Barcelona School of Design and Engineering</i>

Fall 2020	Invisible. Project-based elective course. BA in Fashion students (3 ETCS), Lecturer	ESDAPC – Escola Superior de Disseny i d'Arts Plàstiques de Catalunya
Spring 2020	Transversal Project. BA in Design (8 ECTS, 35% hours shared with other lecturers), Lecturer	Elisava Barcelona School of Design and Engineering
Spring 2019	Web development and security(4 ETCS). Master program "Computer System Information security", Lecturer	ITMO university
Fall 2018)	Introduction to Arduino. BA in Design , Lecturer	Blekinge Institute for Technology
Fall 2018	Web Arts. BA Digital Media Design(two sessions - 4 hours), Lecturer	University of Hertfordshire
Fall 2018	Web and Mobile Apps. BA Digital Media Design (1 week workshop - 12 hours), Lecturer	University of Hertfordshire
Spring 2017	Privacy workshop. BA in Installation Art. Alberta Art Academy, Lecturer	Alberta Art Academy
Fall 2016	Futurology. BA in Fashion (2 ETCS), Lecturer	Estonian Academy of Arts
Spring 2017	Creative coding. BA in design (2 ETCS), Lecturer	School Design ESDi, Ramon Llull University
Spring 2015	Introduction to Arduino. BA in Textile (2 ETCS), Lecturer	Estonian Academy of Arts
Fall 2014	Digital Experiments (Processing workshop), Lecturer	FH -Salzburg
Spring 2012	Robotics with Arduino (3 day workshop). MA in Design, Lecturer	Eindhoven Design Academy
Spring 2012	Robotics with Arduino (3 day workshop). MA in Design, Lecturer	Eindhoven Design Academy
Spring 2012	Ludic Interaction (1 day workshop). BA in Design, Lecturer	Kortrijk Design and Art School
Spring 2009	Audiovisual Installations II. BA in Design(3 ETCS), Lecturer	School Design ESDi, Ramon Llull University

School Design
ESDi, Ramon
Llull University

Fall 2008 **Audiovisual Installations I. BA in Design(3 ETCS)**, Lecturer

School Design
ESDi, Ramon
Llull University

Fall 2008 **Audiovisual Installations I. BA in Design(3 ETCS)**, Lecturer

School Design
ESDi, Ramon
Llull University

Spring
2006, Fall
2005, Spring **Interactive interfaces. BA in design(6 ETCS)**, Lecturer
2005, Fall
2004

School Design
ESDi, Ramon
Llull University

Spring
2006, Fall
2005, Spring **Web development II. BA in design(6 ETCS)**, Lecturer
2005, Fall
2004

EDUCATION OUTSIDE UNIVERSITY CONTEXTS

Workshops:

- 2022 **NFT workshop**, Bilbao Makerfaire, Spain
- 2021 **Open Source Hardware: From Fibers to Fabrics**, Fabricademy, online
- 2020 **(un)preci(a)se Robots workshop**, Bilbao Makerfaire, Spain
- 2020 **Open Source Hardware: From Fibers to Fabrics**, Fabricademy, online
- 2019 **Data Shop workshop**, Pixelache festival, Helsinki, Finland
- 2019 **Secret Shop workshop**, Estonian Museum of Applied Art and Design, Tallinn
- 2019 **Open Source Hardware: From Fibers to Fabrics**, Fabricademy, online
- 2018 **Secret Shop workshop**, Estonian Museum of Applied Art and Design, Tallinn
- 2018 **Open Source Hardware: From Fibers to Fabrics**, Fabricademy, online
- 2018 **Interactive Light workshop**, TAVA Tartu Light festival, Estonia
- 2018 **Data Shop workshop**, AMRO Festival, Linz, Austria
- 2018 **Data Shop workshop**, Bolit Contemporary Art Centre, Girona, Spain
- 2017 **Open Source Hardware: From Fibers to Fabrics**, Fabricademy, online
- 2017 **Atlas of New Media Artists' Materials**, NodeCenter.es, online
- 2017 **Circular Knitic workshop**, festival Maintenant, Rennes, France
- 2017 **Arduino for artist course**, Tartu Art College, Estonia
- 2017 **Throwies workshop**, GLOW Winter Lights Festival, Calgary, Canada
- 2017 **Interactive Light workshop**, GLOW Winter Lights Festival, Calgary, Canada
- 2016 **Atlas of New Media Artists' Materials**, NodeCenter.es, online
- 2016 **Raspberry Pi workshop**, Varvara & Mar studio, Tallinn, Estonia

- 2016 **Interactive Light workshop**, TAVA Tartu Light festival, Estonia
- 2016 **3D printing workshop**, Varvara & Mar studio, Tallinn, Estonia
- 2015 **3D printing workshop**, Espai Erre, Barcelona, Spain
- 2015 **Animate with Code workshops for families and educators**, Onassis, Athens, Greece
- 2015 **Arduino for beginners workshop**, Varvara & Mar studio, Tallinn, Estonia
- 2015 **3D printing workshop**, Varvara & Mar studio, Tallinn, Estonia
- 2015 **Arduino course**, Mektory, Tallinn, Estonia
- 2015 **3D printing workshop**, Varvara & Mar studio, Tallinn, Estonia
- 2015 **Animate with code workshop**, Tekniska Museet, Stockholm, Sweden
- 2015 **Circular Knitic workshop**, Espacio Open, Bilbao, Spain
- 2015 **Circular Knitic workshop**, Ultra-Lab, Madrid, Spain
- 2015 **Mentors at Interactivos'15, Murcia, Spain,**
- 2015 **Arduino course**, Mektory, Tallinn, Estonia
- 2015 **Circular Knitic workshop**, WeMake, Milano, Italy
- 2014 **Urban Bees 2.0 workshop**, OpenSystems University of Barcelona, Spain
- 2013 **Knitic, workshop**, Constant, Brussels, Belgium
- 2012 **Kombi II, workshop**, Seoul Art Space Geumcheon, Seoul, Korea
- 2012 **Digital knitting fabrication, workshop**, STPLN, Malmö, Sweden
- 2012 **Robotics + Digital Fabrication, workshop**, MU & Impakt, NL
- 2012 **Introduction to Robotics with Arduino**, MOB, Barcelona, Spain
- 2011 **Hacking your bank workshop**, Santa Monica art center in Barcelona, Spain

Presentations

INVITED TALKS AND CONTRIBUTED PRESENTATIONS

- 2024. Book presentation: *Portrait Fever* at Joan Abello Museum, Spain
- 2024. Conference keynote: *Artistic Strategies to Guide Neural Networks* at the 8th Computer Art Congress (CAC) in La Plata, Argentina
- 2024. Invited lecture: *Navigating visual collections using image embeddings* at the Baltic Summer School of Digital Humanities (BSSDH 2024) organized by the National Library of Latvia in Riga, Latvia
- 2024. Keynote presentation: *Navigating visual collections using image embeddings* at Digital Methods Summer School, part of the Digital Methods Initiative (DMI) of Amsterdam University, The Netherlands
- 2024. Conference presentation: *We are the Clouds: Strategies for Combining Interaction and Participation in Urban Media Art* at ISEA 2024 in Brisbane, Australia
- 2024. Guest lecture: *Round table* at RAIN Sonar Festival, Barcelona, Spain
- 2024. Guest lecture: *Artist talk* at The University of Florida, Florida, US
- 2024. Guest lecture: *Artist talk* at VCUArts, Doha, Qatar
- 2024. Invited lecture: *Artist talk* at 2nd Creative, Performing Arts & Media Research Forum at MTU Bishopstown Campus, Cork, Ireland

2024. Guest lecture: *Artist and research talk* at CulturePlex Western University, London, Canada

2024. Guest lecture: *Artist talk* at DXARTS Washington University, Seattle, US

2024. Guest lecture: *Artist talk* at CITM - UPF, Barcelona, Spain

2023. Conference presentation: *Neurips'23. Workshop Machine Learning for Creativity and Design* at New Orleans, USA

2023. Conference presentation: *Visions of Destruction: Experiencing Climate Crisis through Interactive AI-aided Artwork* at Cultural Data Analytics Conference 2023 / CUDAN 2023, Tallinn (Estonia)

2023. Conference presentation: *Quantifying Collection Lag in World Modern and Contemporary Art Museums* at Cultural Data Analytics Conference 2023 / CUDAN 2023, Tallinn (Estonia)

2023. Panel discussion: *The role of new technologies in the artistic creation from a critical perspective* at Panoramic Festival, Barcelona (Spain)

2023. Guest lecture: *Artist talk* inside Leonardo Laser talk titled: "The TAO of TAI. Technoetic Aesthetics of Artificial Intelligence" at Roy Ascott Studio - DeTAO Master Academy, Shanghai Institute of Visual Arts, China

2023. Guest lecture: *Artist talk* at ITP MA at NYU Shanghai, China

2023. Guest lecture: *Artist talk* at Master of Arts in Interaction Design at SUPSI, Switzerland

2023. Guest lecture: *Artist guided neural network and Stable diffusion workshop* at Creative AI course at Borås university, Borås, Sweden

2023. Conference presentation: *Exploring the Catastrophic Impact of Human Interaction on Nature: Navigating the Latent Space of Diffusion Models through the Gaze* at symposium Expanded Animation 2023 in Ars Electronica festival, Linz, Austria

2023. Guest lecture: *Artist talk* at the FilmEU Doctoral Summer Seminar at the Lusófona University, Lisbon, Portugal

2023. Guest lecture: *Artist talk* at Ciclo Design + Multimedia CMD Talks, Doctorate program in Computational Media Design at the University of Coimbra, Portugal

2022. Guest lecture: *Artist Guided Neural Networks* at the Department of Digital Design and Creative Technology of the University of Lleida, Spain

2022. Guest lecture: *Artist Guided Neural Networks* at BAU Design School, Barcelona

2022. Keynote: *Artist Guided Neural Networks - automated creativity or tools for extending minds?* in conference at "XXII International Conference on Human-Computer Interaction", Teruel, Spain

2022. Guest lecture, *Augmented creativity and labor*, in the frames of "Industry 4.0 Design Strategies" at LUCA School of Arts, Belgium

2022. Guest lecture, *Artistic practice in the age of Deep Learning*, CMA - Hong Kong University of Science and Technology (GZ)

2021. Conference presentation: *ENA – participative art forms in a time of pandemics*, CICA New Media Art Conference, Seoul

2021. Synthetic Landscapes, artist talk, +CODE Festival in Buenos Aires, Argentina

2021. Conference presentation: *ENA – participative art forms in a time of pandemics*, Hybrid Museum Experience Symposium, Ludwig Museum, Budapest, Hungary

2021. Artist talk, KIBLIX festival 2021, Slovenia

2019. Artist talk: Re-visiting connections, symposium part of exhibition Open Codes. We Are Data, Azkuna Zentroa, Bilbao, Spain

2019. Colonization with LOVE, symposium Unboxing e-Realities curated by Christiane Kühn, Goethe Institute Estland, in Vaba Lava, Tallinn, Estonia

2019. Artist talk, Emily Carr University, Vancouver, Canada

2018. Dataveillance. Design, Blekinge Institute for Technology, Sweden

2018. Artist talk, Bolit Contemporary Art Center, Girona, Spain

2017. Beyond Interaction. The Unsolved Question of Interactive Art, Virtualities and Realities Conference, RIXC, Riga, Latvia

2017. Soft Digital Fabrication, Maintenant Festival, Rennes, France

2017. Digital space, Tartu Art College, Estonia

2016. Technology as a tool for rethinking the world, Tallinn University Summer School

2016. From Code to Magic, X-Studio, Istanbul, Turkey

2016. Guest lecture, Master program of Visual Art + Multimedia, University of Valencia, Spain

2015. Soft Digital Fabrication, Bau Design Forum, Barcelona, Spain

2015. From Code to Magic, UPF, Barcelona, Spain

2015. From Code to Magic, Media Art Futures conference, Murcia, Spain

2015. Soft Digital Fabrication, WeMake, Milan, Italy

2014. From Code to Magic, Etopia, Zaragoza, Spain

2014. From Code to Magic, Topconf, Tallinn, Estonia

2014. City as Data Body, Donostia Kultura, San Sebastian, Spain

2014. Artist talk, Ljudmila, Ljubljana, Slovenia

2014. Knitic – Soft Digital Fabrication, Cipke, Ljubljana, Slovenia

2014. Artist talk, Bloomberg Art+Tech event, London, UK

2013. Unexpected Ways How IT Meets Art, Estonian IT College, Tallinn, Estonia

2013. Knitic – Open Source Knitting Machine, Toulouse Hackerspace Factory, France

2013. Knitic – Open Source Knitting Machine, Ecole de Recherche Graphique, Brussels

2013. Knitic – Open Source Knitting Machine, Constant, Brussels, Belgium

2012. Development of Personal Manufacturing. Case Study: Knitic, Mutamorphosis, Prague

2012. Development of Digital Fabrication. Case Study: Knitting Printer, Perspectives'12, University of Nevada, Reno, USA

2012. Artist talk, Marginalia+Lab, Belo Horizonte, Brazil

2012. Development of Digital Fabrication. Case Study: Knitting Printer, Open Knowledge Festival, Helsinki, Finland

2012. Artist talk, STPLN, Malmö, Sweden

2012. Artist talk + lecture, IDC, Howest University, Kortrijk, Belgium

2011. Paper presentation, ISEA2011, Istanbul, Turkey

2011. Artist talk, Hiroshima University, Japan

2011. Artist talk, IAMAS, Ogaki, Japan

2011. The Rhythm of City, Enter5 Symposium, Prague, CZ

2011. Innovation of game interfaces at Instituto Cervantes in Stockholm, Sweden

2011. Innovation of game interfaces at Instituto Cervantes in Manila, Philippines

2011. Ludication of the city at hÓPLAY'11 (Alhóndiga Bilbao, Bilbao, Spain)

2010. Artist Talk: "Gamebroker and Derivat presentation" at Impakt Festival (Zwolle, Netherlands)

2010. Data visualization (workshop) at CCCB (Barcelona, Spain)

2010. Keynote "The video games are a laboratory" at PlayLab 2010 (Medialab-prado, Madrid)

2009. Artist Talk in Open-ArtGames at Matadero (Madrid, Spain)

2005. Presentation: "Nodemail" Golferichs, Barcelona, Spain.

Art practice

SOLO SHOWS

2023. *Abelló, an imaginary landscape*, Museu Abelló, Mollet del Valles, Spain

2022. *After Everyone Left for Planet B*, Kanal Gallery, Võru, Estonia

2022. *Psychedelic Trips*, Alalimon gallery and ISEA conference external program, Barcelona, Spain

2022. *Synthetic Landscapes*, Digitaliseum, Malmö, Sweden

2021. *Dreampainter*, Tabakalera Centre for Contemporary Culture, San Sebastián, Spain

2020. *NeuroKnitting Beethoven*, performance curated by Susa Pop, Hong Kong art center and Art Center Nabi in Seoul with Goethe Institute support

2020. *We Are the Clouds*, UrbanScreen, Surrey Art Gallery, Surrey, Canada

2019. *Chameleon*, New Gallery, Calgary, Canada

2018/19. *Chameleon*, Tallinn Art Hall Gallery, Estonia

2018. *Surveillance Capitalism*, Sodų 4 Gallery, Vilnius, Lithuania

2018. *Digital Stitches*, Narva Art Residency, Estonia

2018. *Super Documentation*, Addaya Gallery, Mallorca, Spain

2017. *Chameleon*, Abello Museum, Mollet del Valles, Spain

2017. *Data Soup*, ArtDealProject Gallery, Barcelona, Spain

2017. *Knitting Experiments*, Draakoni Gallery, Tallinn, Estonia

2017. *Data Soup*, Digitaliseum, Malmö, Sweden

2016. *Chameleon*, Rambleta art centre, Valencia, Spain

2016. *Digitallandscapes*, Lo Pati Art Centre, Amposta, Spain

2015. *Tree of Hands*, curated by Oyuki Matsumoto, Malmö Live, Sweden

2015. *KnitFab*, Super Surface Space Moscow, Russia

2014. *Knitting Experiments*, curated by Jerneja Rebernak, Maribor City Gallery, Slovenia

2014. *Traveling Fish*, Design and Architecture Gallery, Tallinn

2012. *SPAMpoetry*, STPLN, Malmö, Sweden

2011. *Execution #X*, IAMAS OS, Ogaki, Japan

2009. "Death brick" by Derivart collective at La Fabrica de les artes (Granollers, Spain)

2008. "Derivart intersections: art, technology and finances" by Derivart at Museum Abello (Barcelona, Spain)

GROUP SHOWS

2024. *Needle in a Haystack*, KIKK Festival, Namur, Belgium

2024. *HUMANS NEED NOT COUNT*, group show The Future is Already Here curated by Véronique Baton, Le Grenier a Sel, Avignon, France

2024. *Visions of Destruction*, IEEE CVPR'2024 AI Art Gallery, Seattle, USA

2024. *Needle in a Haystack*, land art exhibition Wild Bits part of Tartu2024, Maajaam, Estonia

2024. *Psychedelic Forms*, group show Art Digital Vilanova curated by Oscar Civit and Betty Bigas, Contemporary Art Center LA SALA, Vilanova, Barcelona

2024. *Visions of Destruction*, TEI 2024 Art Gallery, Cork School of Music, Ireland

2023. *Psychedelic forms*, Cultural Analysis & Synthesis Art Exhibition Program of International Conference Cultural Data Analytics Conference 2023 / CUDAN 2023, December 14-17, 2023, Tallinn, Estonia

2023. *Vision of Destruction*, International Conference on Tangible, Embedded, and Embodied Interaction (TEI '24), February 11-14, 2023, Cork, Ireland

2023. *Vision of Destruction*, SIGGRAPH Asia 2023 art gallery, Sydney, Australia

2023. *Keep Smiling*, Panoramic festival hosted in Foundation Lluís Coromina– Espai Isern Dalmau, Barcelona, Spain

2023. *Interactive NeuroKnitting*, Ripples Across The Latent Space - The Art Exhibition Program of International Conference VINCI 2023, Guangzhou, China

2023. *Beneath the Cloud*, at Loading Ceramics, Estonian Architecture Museum, Tallinn, Estonia

2023. *Synthetic Landscapes*, Digitale Zone, Marseille, France

2023. *Synthetic Landscapes*, ISEA2023, Paris, France

2023. *WiFipedia Buenos Aires*, Asuntos de nuestro espacio curated by Cristian Reynaga, EAC Espacio de Arte Contemporáneo, Montevideo, Uruguay

2023. *Psychedelic Forms*, ACM TEI art gallery, Warsaw, Poland

2022. *Keep Smiling*, SIGGRAPH Asia 2022 art gallery, Daegu, South Korea

2022. *NeuroKnitting Beethoven*, VISAP, VIS IEEE 2022, Oklahoma City, USA

2022. *Psychedelic forms*, Estampa art fair in the Alalimón gallery booth (Madrid, Spain)

2022. *Psychedelic forms*, Metaverse exhibition Electric Dreams curated by Varvara Guljajeva and Theo Papatheodorou, CMA Hong Kong University of Science and Technology (GZ)

2022. *Dream Painter*, ACM Multimedia conference art gallery, Lisbon, Portugal

2022. *Keep Smiling*, DRHA conference art gallery curated by Bill Balaskas, Stanley Picker Gallery, UK

2022. *Keep Smiling*, xCoAx conference art gallery, Coimbra, Portugal

2022. *POSTcard Landscape from Lanzarote I, II*, art gallery at ACM Creative & Cognition C&C'22, Venice, Italy

2022. *Synthetic-scapes*, of Tartu, group exhibition VAIM curated by Reet Varblande and Mare Taska, Tartu University Museum, Estonia

2022. *Psychedelic forms*, group exhibition "Art Mesh" curated by Torun Ekstrand at the Cultural Center Ronneby Art Gallery, Sweden

2021/22. *HUMANS NEED NOT TO COUNT*, group show Decision Making curated by Dominique Moulon and Alain Thibault, Canadian Cultural Centre, Paris, France

2021. *Keep Smiling*, group show El desempleo tecnológico curated by Adonay Bermúdez, Tabakalera, San Sebastian, Spain

2021. *NFT Shop, Crypto Roots* curated by Albert Barqué part of the Sónar Festival Sonar Plus

2021. *POSTcard Landscapes from Lanzarote I, II* at DA Fest (International Digital Art Festival) curated by Venelin Shurelov and Galina Dimitrova-Dimova in Sofia, Bulgaria

2021. *NeuroKnitting*, group exhibition Soft Negotiations curated by Varvara Guljajeva and Textile Department of EKA, EKA Gallery, Estonian Academy of Arts, Tallinn

2021. *Hidden Dimensions*, group show Quantum Critic curated by Natalia Alekseeva, Ramiro Camelo, Timo Tuhkanen, Myymälä2 pop-up gallery, Helsinki and at Masters art school, St.Petersburg.

2021. *Drawing Automata and I, Human and Eva*, festival Speculum Atrium, Trbovlje, Slovenia

2021. *Signal of the World*, online group show Instructions Follow curated by Pau Waelder at Feral File

2021. *SPAMpoetry*, group show Linz: City of Media Arts - The Art of Interface curated by Christa Sommerer and Cesar Escudero Andaluz, Macao International Art Biennale 2021, Chief Curator Yao Feng, Mong-Ha Villas, Macao

2021. *Rescue Plan*, group show Life in Decline curated by Francisco Martinez, Estonian Mining Museum in Kohtla-Nõmme, Estonia

2021. *Phantom Landscapes of Buenos Aires*, +CODE Festival curated by Tania Puente and Cristian Reynaga in Buenos Aires, Argentina

2021. *POSTcard Landscape from Lanzarote I, II*, art gallery CONSTRUCTING CONTEXTS of the Symposium Art Machines 2.0 curated by Tobias Klein and Rodrigo Guzman-Serrano, in City University Hong Kong

2020. *POSTcard Landscape of Lanzarote*, group show Expeditions curated by Victor G. Moreno, festival Veintinueve trece, Lanzarote, Spain

2020/2021. *Data Shop*, group show BIG D@T@! BIG MON€Y! curated by Michael Artz, HALLE 14, Leipzig, Germany

2020. *Under the Water*, group show Ecodata-Ecomedia-Ecoaesthetics curated by Rasa Smite, Raitis Smits and Yvonne Volkart, RIXC Art Science Festival, National Library of Latvia, Riga

2020. *The Rhythm of Heart*, group show Data are emotions | Emotions are data curated by Joanna Rutkowska and Magda Kochanowska, Gdynia Design Days, Poland

2020. *Data Shop*, group show E scap ES, Association of Electronic Art and Experimental, Centro C. Galileo, Madrid, Spain

2019/20. *Binoculars to...Binoculars from...*, group show Open Codes by ZKM curated by Blanca Giménez, Rakel Esparza, Fernando Pérez, Jaime de los Ríos at Azkuna Zentroa, Bilbao, Spain

2019/20. *PlasticLand*, Traveling exhibition NOT out of sight, NOT out of mind in frames of WasteArt project in Latvia and southern Estonia for 2 years

2019. *Data Shop*, Nemo biennale "Autonomie Zero" curated by Gilles Alvarez and Dominique Moulon, Cité internationale des arts Paris, France.

2019. *The Rhythm of Heart*, symposium Unboxing e-Realities curated by Christiane Kühn, Goethe Institute Estland, in Vaba Lava, Tallinn, Estonia

2019. *Data Shop*, group show Breaking the 5th Wall, Pixelache festival, Helsinki, Finland

2019. *HUMANS NEED NOT TO COUNT*, group show Objects of Attention curated by Francisco Martinez, Estonian Museum of Applied Art and Design, Tallinn

2019. *The Fantasy of Escape*, group show Wunderkammer: Utopic Objects curated by Ricardo Iglesias, Library Fine arts of the Complutense University, Madrid, Spain

2018/19. *Detecting alcoholism*, Not just us, Small Addicts, group show HOOKED, Science Gallery London

2018/19. *HUMANS NEED NOT TO COUNT*, group show Open Codes curated by Peter Weibel et al., ZKM, Karlsruhe, Germany

2018. *Wishing Well*, group show Estonia as an abstract space, Rapla Contemporary Art Centre, Estonia

2018. *Data Shop*, Digital Design Weekend, Victoria and Albert Museum, London. UK

2018. *Sunday Painter*, group show Wild Bits, Maajaam, Estonia

2018. *Neuronal Landscapes*, Estonian History Museum, Tallinn (part of the permanent exhibition)

2018. *Binoculars to... Binoculars from...*, Ghent Light Festival, Belgium

2017. *The Rhythm of Heart*, The Big Other, MEQ Festival, hTh, Montpellier, France

2017. *Smile*, Maintenant Festival, Rennes, France

2017. *The Rhythm of Heart*, The Big Other, Eufònic Festival, Museu de la Mar, Sant Carles de la Ràpita, Spain

2017. *Tree of Hands*, Särin Festival, Rapla Contemporary Art Centre, Estonia

2017. *Data Shop*, group exhibition PERRO curated by Javier Galan, Hobusepea Gallery, Tallinn, Estonia

2017. *Flat Knitic*, group show Future Makers, Fab Lab Limerick, Ireland

2017. *Smile*, GLOW Winter Lights Festival, Calgary, Canada

2017. *HUMANS NEED NOT TO COUNT*, group show HUMANS NEED NOT APPLY curated by Amber Case and William Myers, Science Gallery Dublin, Ireland

2016. *Smile*, TAVA Tartu Valgus, Tartu, Estonia

2017. *Data Shop*, group exhibition PERRO curated by Javier Galan, Hobusepea Gallery, Tallinn, Estonia

2017. *Flat Knitic*, group show Future Makers, Fab Lab Limerick, Ireland

2017. *Smile*, GLOW Winter Lights Festival, Calgary, Canada

2017. *HUMANS NEED NOT TO COUNT*, group show HUMANS NEED NOT APPLY curated by Amber Case and William Myers, Science Gallery Dublin, Ireland

2016. *Smile*, TAVA Tartu Valgus, Tartu, Estonia

2016. *Detecting alcoholism. Not just us, small addicts*, Ingravid festival, Barcelona, Spain

2016. *The Rhythm of Wind*, group show Horizons Arts in Nature, Sancy natural park, France

2016. *Data Drops*, group show Reverberadas, Etopia, Zaragoza, Spain

2016. *Smile*, Tree of Hands, Glitch'd Hit, group show Remote Signals curated by Pau Waelder at ARS building, Tallinn, Estonia

2016. *Speed of Markets*, group exhibition In Time (The Rhythm of the Workshop) curated by Shannon R. Stratton at MAD, New York

2016. *Wishing Wall*, group exhibition Digital Revolution, Zorlu Centre, Istanbul, Turkey

2016. *Smile*, Tallinn Winter Festival, Estonia

2016. *The Rhythm of City*, group exhibition Real-Time curated by Pau Waelder in Arts Santa Monica, Barcelona, Spain

2016. *WifiPedia*, group show Väljavaade curated by Keret Altpere, Gallery Noorus, Tartu, Estonia

2016. *SPAMpoetry*, TADAEX festival, Mohsen Gallery, Tehran, Iran

2015/16. *Wishing Wall*, group exhibition Digital Revolution, Onassis, Athens, Greece

2015. *Data Drops*, DTL 2015, MIT Media Lab, Boston, USA

2015. *Binoculars to... Binoculars from...*, Aurora Festival, Dallas, USA

2015. *Circular Knitic*, London Design Festival, V&A Museum, UK

2015. *WiFipedia*, group exhibition TL;DR curated by Stacey Koosel, Tallinn Kunstihoone Gallery, Estonia

2014/15. *Circular Knitic* (commissioned work), group exhibition DOERS curated by David Cuartielles, Etopia Centre for Art and Technology, Zaragoza, Spain

2014/15. *Wishing Wall*, group exhibition Digital Revolution, Tekniska Museet, Stockholm, Sweden

2014/15. *The Highest Human Tower* (commissioned work), group exhibition Music+Art exhibition curated by Alpha Ville, Mobile World Centre, Barcelona, Spain

2014. *Wireless Poetry and Revealing Digital Landscapes*, group show Systema curated by Aja Martin, Zhulong Gallery, Dallas, USA

2014. *The Rhythm of City*, group exhibition Digital City curated by Daniel Artamendi, Donostia Kultura, San Sebastian, Spain

2014. *Shopping in 1 Minute*, Suur Lasnamäe Urban Art Event, Tallinn, Estonia

2014. *Wishing Wall* (DevArt commission), group exhibition Digital Revolution, Barbican, London, UK

2014. *Wireless Poetry and Revealing Digital Landscapes*, group show The Hypnotist Collector curated by Stacey Koosel, NauART, Barcelona, Spain

2014. *The Rhythm of City*, Art and Science Festival, Barcelona, Spain

2014. *The Rhythm of City*, group exhibition Hybrid Art, Estonian Museum of Applied Design and Art, Tallinn, Estonia

2014. *NeuroKnitting*, group show subnetAIR, City Gallery Salzburg, Austria

2014. *SPAMpoetry*, group show Unspoken, Mitte Gallery, Barcelona, Spain

2013. *Binoculars to... Binoculars from...* (Connecting Cities commission) presented in Liverpool, Helsinki, Linz, Dessau, Berlin, Melbourne, Madrid, Brussels, Riga)

2013. *The Rhythm of City*, group show Transreal Topologies curated by Julian Stadon, Adelaide, Australia

2013. *SPAMpetry*, group show Technical Textiles, Berlin, Germany

2013. *The Rhythm of Sao Paulo*, Sao Paulo City Anniversary, FIESP, Brazil

2013. *Lummoblocks* by Lummo collective, Oh! Gwangju. Gwangju, Korea

2012. *Lummoblocks* by Lummo collective, Science Gallery Dublin. Dublin, Ireland.

2012. *Lummoblocks* by Lummo collective, Glow. Eindhoven, Netherlands

2012. *Lummoblocks* by Lummo collective, Festes de la Mercè. Barcelona, Spain

2012. *The Rhythm of Sao Paulo*, SP_Urban Digital Festival, Sao Paulo, Brazil

2012. *The Rhythm of City*, CCGSM, Buenos Aires, Argentina

2012. *Knitic and Kombi*, Marginalia+Lab, Belo Horizonte, Brazil

2012/13. *Shopping in 1 Minute*, group exhibition DIY, DASA, Dortmund, Germany

2012. *Baltic Sea Radio*, group exhibition Baltic Goes Digital, Gdansk City Gallery, Poland

2012. *SPAMpoetry*, Malmö Festivalen, Sweden

2012. *SPAMpoetry*, Incubarte Festival, Valencia, Spain

2012. *Videomaton* by Lummo collective at File Festival (Sao Paulo, Brasil)

2011/12. *Shopping in 1 Minute*, group show DIY, Frankfurt and Berlin Communication Museums, Germany

2011. *Flux of Sea* by Varvara&Mar, performance, Es Baluard, Palma de Mallorca, Spain

2011. *The Rhythm of City*, Elektronika Festival, Belo Horizonte, Brazil

2011. *The Rhythm of City*, LAB30 Festival, Augsburg, Germany

2011. *The Rhythm of City*, VAD Festival, Girona, Spain

2011. *Popcorn for Cycling*, AND Festival, Liverpool, UK

2011. *The Rhythm of City*, Enter5 biennale, Prague, Czech Republic

2011. *Echinodermata and Sonima*, LiveHerring biennale, Saarijärvi, Finland

2011. *Gamebroker* by Derivart collective, Platine festival(Cologne, Germany)

2011. *Videomaton* by Lummo collective, Inhabitants and walkers(Madrid City Council, Spain).

2011. *Lummoblocks* by Lummo collective, Agosto digital CCE. Cordoba, Argentina.

2011. *Lummoblocks* by Lummo collective, Festival Actual 2011 Museo Würth (Logroño, Spain)

2010. *Gamebroker* by Derivart, "Shopping in 1 Minute" at Kiblix festival (Kibla Gallery, Maribor, Slovenia)

2010. *Gamebroker* by Derivart at Impakt festival (Utrecht, Netherlands)

2010. *Lummoblocks* by Lummo collective at Collegium Hungaricum as part European Media Facade Festival (Berlin, Germany)

2010. *Lummoblocks* by Lummo collective at Noche en Blanco 2010 (Madrid, Spain)

2010. "Shopping in 1 Minute", "Playfulness", "LummoBlocks", "Nica.freeware" at Ars Electronica (Linz, Austria)

2010. *Lummoblocks* by Lummo collective, Festival 21 grados (Sevilla, Spain)

2010. *ImpossibleLove.org* in collaboration with Bruno Bresani, Library Vasconcelos (Mexico)

2010. "My name is 192.168.159.16" by Varvara&Mar, 23rd Stuttgarter Filmwinter (Stuttgart, Germany)

2009. *Spreadplayer* by Derivart collective, Festival for Expanded Media Stuttgarter FilmWinter(Stuttgart,Germany).

2008. *Casastristes and Burbujómetro* by Derivart collective, Construcció. Receptes des de la Carència, la Ubiquïtat i l'Excés", Bolit (Centre d'Art Contemporani de Girona, Spain)

2008. *Burbujometro* by Derivart collective, HOMO LUDENS LUDENS (Laboral, Gijón, Spain)

2008. *Burbujometro* at Soho Gallery PureProject (NYC)

2007. *Burbujometro* by Derivart collective , BAC (CCCB, Barcelona, Spain)

2007. *Burbujometro*, "The Mortgager" by Derivart collective, StripArt Festival(Barcelona, Spain)

2007. *Your money or your life: El Burbujómetro and Hipotecadora* by Derivart collective, Observatori Festival (Valencia, Spain)

CURATOR PROJECTS

2023. *Cultural Analysis & Synthesis* featuring: Lev Manovich, Mauro Martino, Var & Mar at First International conference Cultural Data Analytics Conference 2023 / CUDAN, December 14-17, 2023, Tallinn, Estonia

2022. *Voices from Ukraine*. Curator of the metaverse and Tezos NFT exhibition part of Time-Lapse Migration project awarded in Mediafutures EU program S+T+ARTS.

2018-19. Curator and organizer, *OPEN ARS*: Connectorium, ARS Art Factory, Tallinn

2018. *Radical light*. Curator, outdoor exhibition of TAVA Tartu Light Festival, (Tartu, Estonia)

2006. *Derivatives, new art financial visions*. Curator at the Casa Encendida (Madrid, Spain)

ARTWORKS IN COLLECTIONS AND/OR PERMANENT EXHIBITS

Psychedelic Forms, private collection

DATA SHOP, Catalonia's National Collection of Contemporary Art, Spain

Rhythm of wind, Voronja Gallery, Estonia

Postimees Liblikas, Postimees group media holding company headquarter building entrance in Tallinn, Estonia

HUMANS NEED NOT TO COUNT, Heinz Nixdorf Museums Forum, Germany

SPAMpoetry, private collections

DATA SHOP, private collections

Neuronal Landscapes, Estonian History Museum, Tallinn

Katusepoisid, NUKU Theatre, Tallinn

Baltic Sea Radio, Gdansk City Gallery, Poland

Budgie Waltz, Verbeke Foundation, Belgium

THEATRE PROJECTS USING TECHNOLOGY

2022. *UTI ET ABUTI* software creation and technology direction for this theater piece by director Roger Bernat, Culturopolis, (Barcelona, Spain)

2020. *SODOMA.CAT* software creation and technology direction for this online theater piece using technology by director Roger Bernat, commissioned and premiered at Festival Grec, (Barcelona, Spain)

2020. *ENA* (online generative AI chatbot as theater experiment) in collaboration with director Roger Bernat, ZoneK, (Milano, Italy)

2020. *ENA* (online generative AI chatbot as theater experiment) in collaboration with director Roger Bernat, premiered at Teatre Lliure, (Barcelona, Spain)

2018. *UTI ET ABUTI* software creation and technology direction for this theater play using technology by director Roger Bernat, premiered at Fundació Catalunya La Pedrera, (Barcelona, Spain)

2012. *Pending of Vote* software creation theatre play using technology in collaboration with director Roger Bernat, premiered at Centro Dramático Nacional ("National Drama Centre"), (Madrid, Spain). This piece has been shown in more than 150 times in different theatres around the world and translated into more than 10 languages

Outreach & Professional Development

SERVICE

Co-chair for ACM VINCI 2025 Art Track Papers.

Guest Editor for the special issue "Generative AI in Audiovisual Media Production: Opportunities, Risks, and Emerging Paradigms." 2025 - Journal Baltic Screen and Media Review.

Art chair from First International conference Cultural Data Analytics Conference 2023

PEER REVIEW

Reviewer for the Personal and Ubiquitous Computing Journal by Springer Nature.

Reviewer for Hertziana Studies in Art History (HSAH) journal series.

Reviewer for the ACM VINCI 2023 Art Track Papers.

Reviewer for ArtNodes Journal.

Reviewer for SIGGRAPH 2023 Art Gallery Triage.

Reviewer for the Baltic Screen and Media Journal.

Reviewer for the ISEA 2022 Conference Art Gallery.

PROFESSIONAL MEMBERSHIPS

ACM member

Member of The Estonian Artists' Association (EAA)