

Netta Ofer

netta.ofer@colorado.edu | nettaofer.net

Education

- 2022-25
(expected) PhD Candidate in Creative Technology and Design, ATLAS Institute, University of Colorado Boulder
Committee: Joel Swanson (co-chair), Dr. Laura Devendorf (co-chair), Dr. Madeline Balaam, Michelle Ellsworth, Dr. Ron Wakkary
- 2020-22 MSc in Creative Technology and Design, ATLAS Institute, University of Colorado Boulder
Advisor: Dr. Mirela Alistar
- 2015-18 BA in Interactive Communications, Reichman University (IDC Herzliya)
Advisors: Dr. Oren Zuckerman and Dr. Hadas Erel

Peer Reviewed Conference Publications

Netta Ofer and Mirela Alistar. 2024. Tracing as a Strategy for Orienting to Nonhuman Perspectives. In Designing Interactive Systems Conference (DIS '24), July 01–05, 2024, IT University of Copenhagen, Denmark. ACM, New York, NY, USA, 14 pages. <https://doi.org/10.1145/3643834.3661621>.

Torin Hopkins, Emily Doherty, **Netta Ofer**, Suibi Che Chuan Weng, Peter Gyory, Chad Tobin, Leanne Hirshfield, Ellen Yi-Luen Do. 2023. Stringesthesia: Dynamically Shifting Musical Agency Between Audience and Performer Based on Trust in an Interactive and Improvised Performance. In Audio Mostly 2023 (AM '23), August 30–September 01, 2023, Edinburgh, United Kingdom. ACM, New York, NY, USA, 8 pages. <https://doi.org/10.1145/3616195.3616209>.

Netta Ofer and Mirela Alistar. 2023. Felt Experiences with Kombucha Scoby: Exploring First-person Perspectives with Living Matter. In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems (CHI '23), April 23–28, 2023, Hamburg, Germany. ACM, New York, NY, USA, 18 pages. <https://doi.org/10.1145/3544548.3581276>.

Jack Forman, Pat Pataranutaporn, Phillip Gough, Raphael Kim, Fiona Bell, **Netta Ofer**, Jasmine Lu, Angela Vujic, Muqing Bai, Pattie Maes, Hiroshi Ishii, and Misha Sra. 2023. Living Bits and Radical Aminos: A Workshop on BioDigital Interfaces for Human-Computer Interaction. In Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems (CHI EA '23), April 23–28, 2023, Hamburg, Germany. ACM, New York, NY, USA, 7 pages. <https://doi.org/10.1145/3544549.3573813>.

Eldy S. Lazaro Vasquez, **Netta Ofer**, Shanel Wu, Mary Etta West, Mirela Alistar, and Laura Devendorf. 2022. Exploring Biofoam as a Material for Tangible Interaction. In Designing Interactive Systems Conference (DIS '22), June 13–17, 2022, Virtual Event, Australia. ACM, New York, NY,

USA, 15 pages. DOI: <https://doi.org/10.1145/3532106.3533494>.

Fiona Bell, **Netta Ofer**, and Mirela Alistar. 2022. ReClaym our Compost: Biodegradable Clay for Intimate Making. In CHI Conference on Human Factors in Computing Systems (CHI '22), April 29-May 5, 2022, New Orleans, LA, USA. ACM, New York, NY, USA, 15 pages. DOI: <https://doi.org/10.1145/3491102.3517711>. **Honorable Mention**.

Fiona Bell, **Netta Ofer**, Hyelin Choi, Ella McQuaid, Ethan Frier, and Mirela Alistar. 2022. Bio-material Playground: Engaging with Bio-based Materiality. In CHI Conference on Human Factors in Computing Systems Extended Abstracts (CHI '22 Extended Abstracts), April 29-May 5, 2022, New Orleans, LA, USA. ACM, New York, NY, USA, 5 pages. DOI: <https://doi.org/10.1145/3491101.3519875>.

Netta Ofer, Fiona Bell, and Mirela Alistar. 2021. Designing Direct Interactions with Bioluminescent Algae. Designing Interactive Systems Conference (DIS '21). Association for Computing Machinery, New York, NY, USA, 1230–1241. DOI: <https://doi.org/10.1145/3461778.3462090>.

Netta Ofer, Idan David, Hadas Erel, and Oren Zuckerman. 2019. Coding for Outdoor Play: a Coding Platform for Children to Invent and Enhance Outdoor Play Experiences. In Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19). Association for Computing Machinery, New York, NY, USA, Paper 164, 1–12. DOI: <https://doi.org/10.1145/3290605.3300394>. **Honorable Mention**.

Tom Hitron, Idan David, **Netta Ofer**, Andrey Grishko, Iddo Yehoshua Wald, Hadas Erel, and Oren Zuckerman. 2018. Digital Outdoor Play: Benefits and Risks from an Interaction Design Perspective. In Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems (CHI '18). Association for Computing Machinery, New York, NY, USA, Paper 284, 1–13. DOI: <https://doi.org/10.1145/3173574.3173858>.

Netta Ofer, Hadas Erel, Idan David, Tom Hitron, and Oren Zuckerman. 2018. A Little Bit of Coding Goes a Long Way: Effects of Coding on Outdoor Play. In Proceedings of the 17th ACM Conference on Interaction Design and Children (IDC '18). Association for Computing Machinery, New York, NY, USA, 599–604. DOI: <https://doi.org/10.1145/3202185.3210782>.

Experience

- 2023- PhD Research and Teaching Assistant, ATLAS Institute, University of Colorado Boulder
 Advisors: Joel Swanson and Dr. Laura Devendorf
- 2024 Summer Visiting Researcher, Making-with cluster, Department of Industrial Design, Eindhoven
 University of Technology (TU/e)
- 2020-23 Grad Research Assistant, Living Matter Lab, ATLAS Institute, University of Colorado Boulder
 Advisor: Dr. Mirela Alistar, University of Colorado Boulder
- 2017-20 Research Assistant, milab (Media Innovation Lab), Reichman University (IDC Herzliya)
 Advisors: Dr. Oren Zuckerman and Dr. Hadas Erel

Exhibitions and Performances

- 2024 looking at looking at physarum polycephalum. In *GUI/GOOEY*, an International Group Exhibition Exploring Technological Translations of the Biological World. [Online](#) and in Plexus Projects gallery Brooklyn, NY. Oct 19–Dec 19, 2024
- 2023 Mycelium Explorations. Shown in *Art + Science* at The Arvada Center. Funded by the NEST Studio for the Arts graduate fellowship
- 2022 *Stringesthesia* – ATLAS B2 Center for Media, Arts & Performance
- 2021 Bioluminescent Touch. Part of *B.E.A.T. Boulder Experiments in Art and Technology* at Museum of Boulder

Workshops and Panels

- 2023 Organized Workshop: Living Bits and Radical Aminos: A Workshop on Bio-Digital Interfaces for Human-Computer Interaction, CHI'23, <https://dl.acm.org/doi/10.1145/3544549.3573813>
- 2021 Organized Workshop: Creative Explorations with Bioluminescent Algae, University of Colorado, Boulder
- 2021 Organized Panel: Environmental Ethics for Creative Technologists, University of Colorado, Boulder

Honors and Awards

- 2019 Honorable Mention, Full Paper, CHI '22
- 2021 IEEE World Haptics Conference 2021, SIC: Honorable Mention for "Cyborg Crafts: Vibrotactile Tongue Vision (VTTV)"
- 2019 Honorable Mention, Full Paper, CHI '19

Grants and Fellowships

- 2023 SIGCHI Gary Marsden Travel Grant Award
- 2021 Partial NEST Studio for the Arts Grant awardee with Eileen Roscina, University of Colorado, Boulder
- 2021 Google explore CSR Grant

Teaching

- 2024 Lead TA for Materials Studies and Practices, Instructor - Danny Rankin, University of Colorado, Boulder ATLAS Institute
- 2022, 24 Lead TA for Meaning of Information Technology, Instructor - Dr. Annie Margaret, University of Colorado, Boulder ATLAS Institute
- 2022 Guest Lecturer in Design Thinking for Creative Technology, Instructor - Torin Hopkins, University of Colorado, Boulder ATLAS Institute
- 2020-24 Lead TA for Critical and Speculative Design (Graduate level), Instructor - Ms. Dana Gordon Labrune, Reichman University
- 2019-20 Lead TA for Studio - Final project Seminar, Instructors - Dr. Noa Morag and Mr. Eran Ilani, Reichman University

- 2019-20 Lead TA for Prototyping - Final project Seminar, Instructors - Dr. Noa Morag and Dr. Oren Zuckerman, Reichman University
- 2019 Lead TA for Contemporary Topics in HCI (Graduate level), Instructor - Dr. Oren Zuckerman, Reichman University
- 2019 Lead TA for Ethics and Technology, Instructor – Dr. Noa Morag, Reichman University
- 2019 Lead TA for Intro to HCI and HCI M.A. summer courses, Instructor - Dr. Oren Zuckerman, Reichman University
- 2018-19 Lead TA and recitation lecturer for Intro to New Media, Instructor - Dr. Oren Zuckerman, Reichman University
- 2018-19 Technology module TA for 21st Century Challenges, Instructors - Dr. Oren Zuckerman and Dr. Guy Hoffman, Reichman University

Web Articles

- 2023 Sustainable Prototyping Practices Interview with SIGCHI: [Part 1](#), [Part 2](#)
- 2020 Case Study for SpeculativeEdu: [From A to B: Hands-on Speculative Design](#)

Community Service

- ACM CHI LBW AC 2025
- Invited book reviewer for "The Importance of Speculation in Design Research" by Ron Wakkary and Doenja Oogjes
- ACM CHI - Full Paper Reviewer: 2019, 2020, 2021, 2022, 2023, 2024
- ACM CHI - Workshops Juror: 2023
- ACM DIS Full papers + Pictorials: 2019, 2020, 2021, 2023, 2024
- ACM TEI 2022, 2025
- ACM Creativity & Cognition 2021
- DRS Design Research Society 2024
- Halfway to the Future Symposium 2024

- 2016-17 DIY and Making Manager and Educator at Maketec (Youth makerspace)