

**CHARLOTTE McCURDY**  
Curriculum Vitae

The Design School  
Herberger Institute for Design and the Arts  
Arizona State University  
PO Box 871605  
Tempe, AZ 85287-1605

**EDUCATION**

M.I.D. Industrial Design, Rhode Island School of Design (RISD), USA, 2018  
B.A. Global Affairs: Economic Development, Yale University, USA, 2013

**APPOINTMENTS**

2022-present Assistant Professor, The Design School, Arizona State University  
2021-22 Assistant Professor (*term*), Industrial Design, RISD  
2018-19 Global Security Fellow, NSquare, MacArthur Foundation, RISD

**SELECTED EXHIBITIONS**

*in prep* “Europeanhood” Ponta Delgada – Azores 2027, Azores, Portugal 2027  
2021-22 “Waste Age” The Design Museum, London, UK  
2021 “Innovation Hub” Future Fabrics Expo, London, UK  
2021 “Faculty Exhibition and Forum” Gellman Gallery, RISD  
2021 “Hybrid Digital” Powerhouse Museum, Sydney, Australia  
2021 “The Wandering” Schwarzman Center at Yale University & Innovation in Art Song Summit, Indiana University Jacobs School of Music, Online  
2020-21 “Deep Blue,” Maritime Museum of Denmark, Denmark  
2019 “Nature — Cooper Hewitt Design Triennial,” Cooper Hewitt, NY, USA, and CUBE Design Museum, Kerkrade, Netherlands  
2019 “Climate Futures” On Loop, Universal Design Studio, A/D/O, Brooklyn, USA  
2016 “the bomb,” Gotham Hall, Tribeca Film Festival, New York, USA

**GRANTS/FELLOWSHIPS (selected)**

- 2021-22 Climate Lab @ RISD  
2019-20 ONExONE Conscious Design Initiative; Swarovski, Slow Factory Foundation,  
UN Office for Partnerships; Collaborating with 3.1 Phillip Lim

## RESEARCH/PROFESSIONAL EXPERIENCE

- 2018-*present* Charlotte McCurdy Research, Principal  
2021 UN COP26, Delegate for the Exhibitions and Events Industry, Glasgow  
2021 Mmagnet, Strategic Advisor for Sustainable Fashion Trade Show, Paris, FR  
2019 Strategic Foresight, Sandia National Labs, Albuquerque, NM  
2018 RISD Research, Practice & Inquiry, Agency Lab, Providence, RI  
2018 RISD Nature Lab, Biodesign Studio, Bioplastics, Providence, RI  
2017 Antimodular Research, for Rafael Lozano-Hemmer, Montreal, QC  
2017 RISD ID, Metal Shop, CNC Capacity Development, Providence, RI  
2016 WET Design, Product Design Research and Development, Los Angeles, CA  
2016 “Beyond Well-Being” Speculative Design, Johnson & Johnson, Providence, RI  
2013-15 TechnoServe, Strategic Initiatives Division, Program Associate, Norwalk, CT

## SELECTED AWARDS/HONORS/RESIDENCIES

- 2022 Dezeen, 50 People You Need to Know this Earth Day  
2020 Emerging Designer of the Year, Longlist, Dezeen  
2018-20 Residency, Creative Experiments, NEW INC, The New Museum, NYC  
2020 Future 50, Inverse Magazine  
2019 Linda Tischler Memorial Award, Annual Emerging Designer Award,  
FastCompany  
2019 Experimental Category, Winner, Fast Company Innovation by Design Awards  
2019 PopTech Fellow, PopTech Conference  
2018 Invention Award, Industrial Design, RISD

## TEACHING EXPERIENCE

### Arizona State University

- Design Project I (F 2022)  
Advanced Industrial Design Studio II (S 2023, *projected*)  
Design for Sustainable Development (S 2023, *projected*)  
Thesis Committee: 2023: L. Brannen, C. Rix

## Rhode Island School of Design

Advanced Studio: De-Industrial Design (S 2022)  
Grad Studio I: Discursive & Experimental Design (F 2021 co-taught Prof. Cas Holman)  
Climate Crisis & Design (F 2020, 2021)  
Thesis Open Research (W 2022)  
Data Object (W 2017 co-taught with Evan Daniel)  
Biomaterials Research Group, Collaborative Study Project (S 2022)  
Thesis Committee: 2022: D. Benno, V. Mathur, A. Wright

## INVITED TALKS (selected)

2022 “Materials and Resiliency” School of Architecture & Community Design, University of South Florida in Tampa (*forthcoming*)

2022 “Designing with the Environment” Nature Culture and Sustainability Studies, Guest Lecture Series, Rhode Island School of Design (Dec 6)

2022 “Hidden Threads: Textiles x Sustainability” Around the World in 80 Fabrics, Repair Atelier, Brown University (May 1)

2022 “Climate of Design: Design of Climate” Tashkeel, Dubai UAE (April 12)

2022 “Biosystems and Sustainability” BRIC: Brown RISD Innovation Community (April 7)

2022 “‘Sustainability’: Nature Centered Design” Design For America, Brown University (March 6)

2022 “Cultivating Climate: The Threads Connecting Garden, Climate and Materials” North Country Garden Club. The Garden Club of America. (Jan. 19)

2021 “Faster Forward – Advancing Sustainability in Events & Fashion” Nest Summit, NYC Climate Week, NY. (Sept. 21)

2021 “There are Vested Interests Aligned in Defense of the Status Quo.” Knowledge and Power: Issues in Women’s Leadership Series. Rutgers University (Feb. 24)

2021 “Media and Technology in Art Song.” Innovation in Art Song Summit, Indiana University Jacobs School of Music, IN (March 27)

2021 “Innovation: The Threads that Connect Design, Business & Sustainability” Fortune 100 Company (Redacted). (March 3)

2020 “Sustainable Energy and Human Creativity,” Smithsonian Earth Optimism Summit (April 24)

2020 “Design Futures,” Strategic Foresight Community of Practice, Sandia National Labs, NM (March 26)

2020 “The Sustainable Angle X Charlotte McCurdy” Fashion and Textiles Keynote. Plastic Free World Virtual Summit (Nov. 9)

2020 “Fashion Is Textiles & Chemicals via Technology Shaping Sustainability Efforts” Fashionnovation Worldwide Talks, 3rd Edition (Sept 10)

- 2020 “Tackling Twin Calamities” Nuclear Age Peace Foundation, Zero Hour, Bombshelltoe (Aug. 27)
- 2020 “Carbon-feel & Plastic-tell,” Shan Future Forum, Shanghai China
- 2020 “Scaling Up Innovations,” Study Hall Climate Positivity at Scale, Slow Factory Foundation, NY (Jan. 31)
- 2019 “After Ancient Sunlight”, PopTech SHIFT, Camden, ME (Oct 24)
- 2019 “Innovation Process” NSquare Innovation Network Convening, Washington DC (Sept. 18)
- 2019 “Materials of the Anthropocene,” Nature Triennial Salon, Cooper Hewitt Museum, NY (May 10)
- 2019 “What Would it Feel Like to Get Back into a Present-tense Relationship with the Sun?” Demo Day, NEW INC, The New Museum, NY (Feb. 26)

## **CONFERENCE ACTIVITY/PARTICIPATION**

### **Conferences/Symposia (co-)Organized**

- 2022 “Industrial Design Society of America 2022 Student Merit Awards: RISD” (April 8) co-organized with IDSA Providence, and Loft Design. Loft Design, Providence, RI
- 2019 “Demystifying Curation: cofutures” (Dec. 11), Visible Futures Lab, School of Visual Arts, co-curated with Lady Tech Guild and Material Girls
- 2019 “Lunch Over Dinner: cofutures” (Nov. 19), Visible Futures Lab, School of Visual Arts, co-curated with Lady Tech Guild and Material Girls
- 2019 “Resist Perfect Transmission: cofutures” (Sept. 19), Visible Futures Lab, School of Visual Arts, co-curated with Lady Tech Guild and Material Girls

### **Papers Presented**

- 2021 “Media and Technology in Art Song” Innovation in Art Song Summit, Jacobs School of Music, Indiana University (March 26-27)
- 2019 “Carbon” Material Health: Design Frontiers, (Nov. 14-15) Parsons Healthy Materials Lab Symposium, NY, USA
- “Speak to the Mammal: Making Existential Threats More Tractable through Design” Biennial Design Science Symposium: Inclusive Narratives from Nature, (Sept. 20-22) RISD

### **Discussant**

- 2021 “Circular Production: Reimagining Relationships with Waste,” (July 1), Made in NYC in partnership with Pratt Institute

## **SERVICE**

### **To Profession**

Program Advocate and Mentor, Swarovski Foundation Creatives for Our Future, 2022-present  
 Regional Advisor for North America, Asia Designer Communication Platform, 2022-present  
 Judge, Role Models Competition, Parsons Health Materials Lab, June 2022

Judge, Dezeen Awards, June 2021

Design Mentor, “Empire State Opioid Epidemic Innovation Challenge,” CAMTech, Columbia University, Sept. 2018

### **To Department/University**

External Partnerships, Industrial Design Program Sub-committee, 2022-2023

Graduate Admissions Committee, Industrial Design, RISD, 2021-22

SEI (Social Equity and Inclusion), Industrial Design Curriculum Sub-Committee, 2021-2022

MID (Master of Industrial Design), Industrial Design Curriculum Sub-Committee, 2021-2022

RISD RISE (RISD Initiative on Sustainability and the Environment) Committee *informal*, 2022

RISD IDSA Student Merit Awards, Faculty Advisor, 2022

RISD Graduate Admissions Studio Visits, 2020-21

RISD Graduate Industrial Design, Class Representative, 2016

### **PUBLICATIONS**

- in prep* Liden, Daniel. *Better Things*. Laurence King. 2023
- 2022 Mears, Alison & Jonsara Ruth editors. *Material Health: Design Frontiers*. Parsons Healthy Materials Lab. Lund Humphries.
- 2021 McGuirk, Justin, editor. *Waste Age: What Can Design Do?* DESIGN MUSEUM
- 2021 Todd, Steven, editor. Museum of Applied Arts and Sciences (N.S.W.). *Hybrid*.
- 2021 “SiGNALS,” Youtube Originals
- 2021 Hopkins, John. *Fashion Design: The Complete Guide*. United Kingdom, Bloomsbury Publishing, 2021.
- 2020 McCurdy, Charlotte. “A World Where Your Clothes Fight Climate Change is Possible” *Inverse*
- 2019 Lipps, Andrea, Matilda McQuaid, Caitlin Condell, and Gene Bertrand. *Nature: Collaborations in Design*. Cooper Hewitt, Smithsonian Design Museum.

### **SELECTED MEDIA COVERAGE**

- 2022 Bedirian, Razmig “[Philosophy of Food Exhibition at Tashkeel Reflects Upon Our Consumption Habits](#)” *The National News*, March 2022
- 2022 Smith, Heather. “Getting Creative about Climate Change: Time to Plant the Seed” *Capital Finance International*, April 2022
- 2022 Fukuda, Mari ed. “Biomaterials” *SPUR*, April 2022.
- 2022 Benson, Sophie “Weird and Wonderful Sustainable Fabrics You’re About to See Much More Of” *AnOther* (January 2022)

- 2021 Hahn, Jennifer. "[Phillip Lim and Charlotte McCurdy Adorn Couture Dress with Algae Sequins.](#)" *Dezeen*, February 22.
- 2021 Mok, Kimberley. "[Beautiful Algae Sequin Dress Envisions a Carbon-Negative Future for Fashion.](#)" *Treehugger*, March 25.
- 2021 Nguyen, Andrew. "[A Dress Made Out of Beautiful Green Algae.](#)" *The Cut*, December 21.
- 2021 Randolph, Eric. "[Fashion's green future of seaweed coats and mushroom shoes](#)" Agence France Press. May 20.
- 2021 Oelbaum, Jed. "[Seaweed Clothes Can Save the Planet.](#)" *Vice News*, April 29.
- 2021 Ponsford, Matthew. "[Future Design: What 'living' Clothes Can Do to Absorb Carbon Emissions.](#)" *CNN*, August 31.
- 2021 Ramirez, Juan. "[THE WANDERING Finds Queer Realities in Schubert.](#)" *Theatrely*, March 17.
- 2021 Tietjen, Steven. "[The Wandering.](#)" *Opera News*, April 14.
- 2021 Wainwright, Oliver. "['This Is the Age of Waste': The Show about Our Throwaway Addiction and How to Cure It.](#)" *The Guardian*, November 1, sec. Art and design.
- 2020 Bury, Louis. "[Nature Offers the Best Designs at the Cooper Hewitt Triennial.](#)" *Hyperallergic*, January 11.
- 2020 *BuzzFeed News*. "[This Woman Made a Raincoat out of Algae to Challenge the Way We Think about Climate Change](#)" *BuzzFeed News*, May 20.
- 2020 Cameron, Claire. "[Charlotte McCurdy Wants You to Forget Everything You Know about Climate Change.](#)" *Inverse*, November 8.
- 2020 Chernikoff, Leah Rose. "[One x One Pairs Designers With Scientists to Create the Conscious Design Solutions We Need Now.](#)" *Harper's BAZAAR*, December 11.
- 2020 Cook, Grace. "[From Soy Cashmere To Sweat Crystals – Vogue's Take On The Future Of Fabric.](#)" *British Vogue*, June 5.
- 2020 *CNN* "[Designers Forge New Styles from Petri Dish and Algae.](#)" *CNN Style*, December 21.
- 2020 Lee, Jennifer. "[One X One, A Global Initiative To Highlight The Fashion Industry's Sustainable Practices, Announces Their Inaugural Cohort And Advisory Board.](#)" *Forbes*, February 4.
- 2020 Manchanda, Shivika. "[Are You Ready to Be in a Symbiotic Relationship with Your Clothes?'](#)" *The Times of India*, May 8.
- 2020 Pitcher, Laura. "[This New Incubator Program Uses Science And Tech To Help Save Fashion.](#)" *Nylon*, December 11.
- 2020 Roshitsh, Kaley. "[In the Lab With Charlotte McCurdy.](#)" *WWD*, April 29.
- 2020 Sobacchi, Marilena. "[Seaweed Will Save the World | Salone Del Mobile.](#)" *Salone Del Mobile.Milano*, October 8.

- 2020 Spellings, Sarah. [“One X One Incubator: Growing Sequins and Sneakers in a Lab With Phillip Lim and Public School.”](#) *Vogue*, December 8.
- 2020 Tapper, James. [“Do You Have It in Green? The Living Fabrics That Can Help Clean the Air.”](#) *The Observer*, February 8, sec. Environment.
- 2020 Padilla, Jackie (prod.) [“This Designer Turns Algae into Carbon-Negative Plastic.”](#) *NowThis News*, April 27.
- 2019 Alexa, Alexandra. [“This Ethereal Raincoat Is Made Out of Algae-Based Plastic.”](#) *Core77*, May 16.
- 2019 Brandon, Elissaveta M. [“The Cooper Hewitt Design Triennial Is a Call to Action for Climate Change.”](#) *Wallpaper\**, May 13.
- 2019 Budds, Diana. [“How Design Is Being Upended by the Climate Crisis.”](#) *Curbed*, July 9.
- 2019 Campbell-Dollaghan, Kelsey. [“What If Our Clothes Could Sequester Carbon? This Raincoat Does.”](#) *Fast Company*, November 12.  
[“Episode 5: Cooper Hewitt | Peril & Promise | PBS.”](#) *Peril & Promise: The Challenge of Climate Change*. PBS, October 3.
- 2019 Fateman, Johanna. [“Nature Design Triennial.”](#) *The New Yorker*, May.
- 2019 Feitelberg, Rosemary. [“Algae Raincoat, 3-D-Printed Faux Fur On View at Cooper Hewitt’s Nature-Inspired Triennial.”](#) *WWD*, May 20.
- 2019 Hahn, Jennifer. [“Charlotte McCurdy Creates ‘Carbon-Negative’ Raincoat from Algae Bioplastic.”](#) *Dezeen*, November 5.
- 2019 Kahn, Brian. [“Algae Raincoats, Mushroom Caskets: New Exhibit Asks Us to Radically Rethink How We Live With Nature.”](#) *Gizmodo*, May 10.
- 2019 Kazior, John P. [“Algae Demand Our Attention.”](#) *Core77*, October 3.
- 2019 Leaver, Becca. [“Making Carbon-Neutral Clothes out of Algae: The Designers Taking on Fast Fashion.”](#) *The Guardian*, September 20, sec. Fashion.
- 2019 Russell, James S. [“Glimpsing Our Post-Consumption Future at the Cooper Hewitt.”](#) *The New York Times*, July 25, sec. Arts.
- 2019 Samedi à tout prix. [“IDJ Du 9 Septembre - La Quotidienne.”](#) *IDJ. La Quotidienne*, September 9.
- 2019 Saylor, Zoe. [“It’s Always Summer Now — so Dress like It.”](#) *Grist*, June 21.
- 2019 Segran, Elizabeth. [“This Biodegradable and Carbon-Negative Raincoat Is Museum-Worthy.”](#) *Fast Company*, September 9.

## NON-ACADEMIC WORK

- 2018-present Literary Agent: Rachel Crawford, Mackenzie Wolf, New York, USA  
 2020-present European Management: Alternative-Thinkers, London UK

## PROFESSIONAL MEMBERSHIP AFFILIATIONS

IDSA, 2021-2022

**PATENTS**

*pending*      17/646,601 US “Carbon-Negative Bioplastic” (pending)