

# Lynée Laurencia Turek-Hankins

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## EDUCATION

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**University of Miami**, Miami, FL, 2019-present

Ph.D. Scholar in Environmental Science and Policy at the Abess Center

Focus areas: Climate Change Adaptation, Climate and Environmental Justice, Buildings and the Built Environment, Energy Insecurity, Complex Systems

**Stanford University**, Stanford, CA, 2014-2019

B.S.M.E. in Mechanical Engineering

Focus areas: Thermodynamics, Heat Transfer, Building Physics

## FIRST AUTHOR PEER-REVIEWED ARTICLES

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**Turek-Hankins L.L.**, E. Coughlan de Perez, G. Scarpa, R. Ruiz-Diaz, P.N. Schwerdtle, E. Tom Joe, E.K. Galappaththi, E.M. French, S.E. Austin, C. Singh, M. Siña, A.R. Siders, M.K. van Aalst, S. Templeman, A.M. Nunbogu, L. Berrang-Ford, T. Agrawal, the Global Adaptation Mapping Initiative team, and K.J. Mach (2021) Climate change adaptation to extreme heat: A global systematic review of implemented action. *Oxford Open Climate Change* 1(1): kgab005 <https://doi.org/10.1093/oxfclm/kgab005>

**Turek-Hankins L.L.**, M. Hino, and K.J. Mach (2020) Risk screening methods for extreme heat: Implications for equity-oriented adaptation. *PLoS ONE* 15(11): e0240841 <https://doi.org/10.1371/journal.pone.0240841>

## CO-AUTHOR PEER-REVIEWED ARTICLES

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Pilet T., S. Pallin, **L.L. Turek-Hankins**, and T. Rakha. Assessing Envelope Thermal Performance with a Whole-Building Conductance Time-Series Profile. Manuscript under review at the *Journal of Building Performance Simulation*.

McMillan D.W., M.R. Carino Mason, K. Howard, **L.L. Turek-Hankins**, E.R. Felix, K. Gant, C. Herring, and D.R. Gater. A community research partnership to understand disaster mitigation infrastructure available to South Floridians living with spinal cord injury (SCI). Conference paper under review.

Araos M. et al. [including **L.L. Turek-Hankins**]. Equity in adaptation: A systematic global review. Manuscript under review at *One Earth*.

Berrang-Ford L., et al. [including **L.L. Turek-Hankins**]. Mapping evidence of human adaptation to climate change. Manuscript under review at *Nature Climate Change*.

## OTHER MEDIA & PUBLICATIONS

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**Climate Justice Podcast Series** (*Producer and Scientific Lead*)

2021 Mini podcast series about climate and racial justice. To be released in winter of 2021

**Know your power: Energy in South Florida** (*Scientific content lead*)

2021 Educational zine for Miami middle school students. To be released winter of 2021

RESEARCH PRESENTATIONS

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**American Geophysical Union Conference** (*Oral presentation*)

2020 Risk screening methods for extreme heat: implications for equity-oriented adaptation. Remote conference.

**University of Washington Graduate Climate Conference** (*Oral presentation*)

2020 Risk screening methods for extreme heat: implications for equity-oriented adaptation. Remote conference.

**Association for Environmental Studies and Sciences Conference** (*Oral presentation*)

2020 Equitable Adaptation to Extreme Heat in California. Remote conference.

**University of Miami Graduate Research Symposium** (*Poster*)

2020 Equitable Adaptation to Extreme Heat in California. Miami, FL.

**Oak Ridge National Laboratory Research Symposium** (*Poster*)

2019 Assessing Envelope Thermal Performance with a Whole-Building Conduction Time-Series Profile. Oak Ridge, TN.

**Engineers in Technical and Humanitarian Opportunities of Service Conference** (*Oral presentation*)

2018 The impact of cookstove combustion chamber geometry on the development of carbon monoxide and PM2.5. Bellevue, WA.

INVITED PRESENTATIONS & INTERVIEWS

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**American Geophysical Union Conference** (*Invited speaker*)

TBD Societal Preparedness for the Multisector Impacts of Extreme Heat. New Orleans, LA.

**Extreme heat and inequitable health impacts** (*TV interview*)

2021 NBC Miami news segment: Rising Temps Due to Climate Change Impact Maternal Health, Studies Show. Miami, FL. <https://www.nbcmiami.com/news/local/changing-climate-south-florida/rising-temps-due-to-climate-change-impact-maternal-health-studies-show/2435028/>

**Evergreen Elementary School** (*Invited speaker*)

2021 ¿Qué es el cambio climático? Shelton, WA.

**RSMAS Sea Secrets Series** (*Invited speaker*)

2021 The energy-housing-built environment nexus under a changing climate. Miami, FL.

**City Government of Hallandale Beach** (*Invited speaker*)

2020 Equitable Adaptation to Extreme Heat and the Urban Heat Island Effect in a Changing Climate. Hallandale Beach, FL.

**RSMAS Climate Café Chat** (*Invited speaker*)

2020 Climate adaptation & COVID-19: Managing compound hazards. Miami, FL.

## ORGANIZED EVENTS

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### **Miami Climate Justice Activism**

2021 Speaker: Harriet A. Washington. Miami, FL.

### **Miami Climate Justice Leadership**

2021 Panel speakers: Dwight Bullard, Cheryl Holder and Dr. Henri R. Ford. Miami, FL.

### **Cascading Disasters at the Intersection of Underserved Communities**

2021 Panel speakers: Mayra Cruz (Catalyst Miami), Santra Denis (Miami Workers Center), and Valencia Gunder (Make the Homeless Smile and New FL Majority). Miami, FL.

## WORK & RESEARCH EXPERIENCE

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### **Washington State University Energy Performance Program** (Olympia, WA)

March 2021 - Present Energy Policy Research Scientist

### **Oak Ridge National Laboratory** (Oak Ridge, TN)

June - Aug 2019 Building Envelope and Urban Systems Engineering Intern

### **Stanford Woods Institute for the Environment** (Stanford, CA)

June 2018 - June 2019 Climate Change Adaptation Policy Research Intern

### **Burn Design Lab** (Seattle, WA)

Sept 2017 - May 2018 Mechanical Engineering Research and Development Intern

### **Stanford Sustainability Program** (Stanford, CA)

Sept 2015 - Sept 2016 Sustainability Intern

### **Butte Medical Lab for Bioengineering and Immunology** (Stanford, CA)

Jan - May 2015 Bioengineering Research Assistant

## VOLUNTEER & PUBLIC SERVICE EXPERIENCE

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### **Miami Climate Alliance, Clean Energy Working Group** (Miami, FL)

Sept 2020 - Present Science Advisor

### **Miami Resilient 305 Collaborative** (Miami, FL)

Nov 2020 - Present Science Advisor

### **Miami Heat-Health Messaging Campaign** (Miami, FL)

Nov 2020 - May 2021 Science Advisor

### **CA Strategic Growth Council** (Sacramento, CA)

Aug 2020 - Present Climate Science Working Group Advisor

### **Greenaction for Health and Environmental Justice** (San Francisco, CA)

July - Nov 2017 Volunteer Climate Justice Researcher

### **Fundación Relevando Peligros** (Córdoba, Argentina)

Aug - Sept 2017 Electrical Safety Policy Researcher

## TEACHING EXPERIENCE

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**Climate policy frameworks for just adaptation** (*Guest lecturer*)

Spring 2021 Climate and Society. University of Miami

**An introduction to climate change policy** (*Guest lecturer*)

Fall 2020 Physical Science and Technology for Future Presidents. University of Miami

**Introduction to Ecosystem Science** (*Teaching assistant*)

Fall 2020 Introduction to Ecosystem Science. University of Miami

#### FELLOWSHIPS & GRANTS

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**Graduate Research Fellowship Program**

March 2021 National Science Foundation \$138,000

**Racial Justice Research Grant**

March 2021 University of Miami \$5,000

**Ulink Climate Justice Fellowship**

Oct 2020 University of Miami \$31,728

**Mentoring Undergraduates in Interdisciplinary Research Grant**

June 2018 Stanford University Woods Institute for the Environment \$7,000

**Quest Scholar**

June 2019 Questbridge Alumni Network NA