

**Evan Sheppard Mallen, Ph.D**  
Curriculum Vitae

Center for Teaching & Learning  
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## **SKILLS & QUALIFICATIONS**

Extensive interdisciplinary research & teaching in public & environmental health, urban sustainability, climate change, and pedagogy • Quantitative, qualitative, and geospatial research methods • Interdisciplinary curriculum and workshop design • Community-based research and service learning • Academic program analysis and design • Team leadership, mentor, and academic coaching • Trained in conflict resolution • Fluent in ArcGIS, QGIS, ArcPy, GeoDa, SPSS, R, and remote sensing methods

## **EDUCATION**

**PhD, City & Regional Planning** 2019  
*Georgia Institute of Technology, Atlanta, GA*  
Major: *Climate Change Planning*  
Minor: *Public Health & the Built Environment*  
Dissertation: *A Methodological Assessment of Extreme Heat Mortality Modeling and Heat Vulnerability Mapping in Atlanta, Detroit, and Phoenix*  
<https://smartech.gatech.edu/handle/1853/62338>  
Advisor: *Brian Stone Jr.*

**Master of Urban and Regional Planning** 2012  
*University of Michigan, Ann Arbor, MI*  
Thesis: *Climate Mapping in the Great Lakes Region as a Means for Inter-Urban Collaboration in Climate Adaptation Planning*

**Bachelor of Science, Physics** 2009  
*University of Michigan, Ann Arbor, MI*  
Minor: *Mathematics*

## **PUBLICATIONS**

### **Peer-Reviewed**

12. Stone, B., **Mallen, E.**, Rajput, M., Broadbent, A., Krayenhoff, S., Augenbroe, G., Georgescu, M. "Climate change and infrastructure risk: Indoor heat exposure during a concurrent heat wave and blackout event in Phoenix, Arizona" (*In Review, Urban Climate*).

11. Chakalian, P., Hondula, D., Harlan, S., White, D., Larsen, L., Gronlund, C., O'Neill, M., **Mallen, E.** "The Role of Adaptive Capacity in the Relationship Between Heat Illness Experiences, Risk Perceptions, and Adaptive Behaviors." (*In Review, Risk Analysis*).
10. Lanza, K., Stone, B., Chakalian, P., Gronlund, C., Hondula, D., **Mallen, E.**, O'Neill, M., Haardörfer, R. "Behavior modification and heat vulnerability: How hot days and heat waves impact outdoor, indoor, and total physical activity levels of adults." (*In Review, Weather, Climate, and Society*).
9. Watkins, L., Wright, M., Kurtz, L., Chakalian, P., **Mallen, E.**, Harlan, S., Hondula, D. "A comparison of two vulnerability indices to household experiences with extreme heat in Phoenix, Arizona." (*Revised and Resubmitted, Applied Geography*).
8. Conlon, K., **Mallen, E.**, Gronlund, C., Comment, L., Larsen, L., Berrocal, V., O'Neill, M. "Estimating fine-scale heat-related vulnerability using principal components analysis: Are we answering the wrong question?" (*In Press, Environmental Health Perspectives*).
7. Wright, M., Hondula, D., Chakalian, P., Watkins, L., Kurtz, L., Harlan, S. Gronlund, C., Larsen, L., **Mallen, E.** (2020). "Dataset for "Social and behavioral determinants of indoor temperatures in air-conditioned homes", Mendeley Data, v1. DOI: <http://dx.doi.org/10.17632/t9cgvfd572.1>
6. Wright, M., Hondula, D., Chakalian, P., Watkins, L., Kurtz, L., Harlan, S. Gronlund, C., Larsen, L., **Mallen, E.** "Thermal preference is a key determinant of indoor temperatures in air-conditioned homes in Phoenix, Arizona." (*In Press, Building and Environment*).
5. **Mallen, E.**, Bakin, J., Stone, B., Sivakumar, R., & Lanza, K. (2020). Thermal impacts of built and vegetated environments on local microclimates in an urban university campus. *Urban Climate*, 32, 100640. <https://doi.org/https://doi.org/10.1016/j.uclim.2020.100640>
4. Stone, B., **Mallen, E.**, Rajput, M., Augenbroe, G., Broadbent, A., Krayenhoff, S., Georgescu, M. "Assessing the benefits of UHI mitigation for indoor heat exposure during concurrent heat wave and blackout events in Phoenix, Arizona." *Conference paper. 5<sup>th</sup> International Conference on Countermeasures to Urban Heat Islands*. Hyderabad, India. December, 2019.
3. Lanza, K., Stone, B., Chakalian, P. M., Gronlund, C. J., Hondula, D. M., Larsen, L., **Mallen, E.**, & Haardörfer, R. (2020). Physical Activity in the Summer Heat: How Hot Weather Moderates the Relationship Between Built Environment Features and Outdoor Physical Activity of Adults, *Journal of Physical Activity and Health*, 17(3), 261-269.
2. Stone, B., Lanza, K., **Mallen, E.**, Vargo, J., & Russell, A. (2019). Urban Heat Management in Louisville, Kentucky: A Framework for Climate Adaptation Planning. *Journal of Planning Education and Research*. <https://doi.org/10.1177/0739456X19879214>
1. **Mallen, E.**, Stone, B., Lanza, K. (2019). "Extreme heat mortality model validation of heat vulnerability mapping in Dallas, Texas." *Urban Climate*, 30. <https://doi.org/10.1016/j.uclim.2019.100528>.

## Non Peer-Reviewed

5. Urban Climate Lab (2017). *Dallas 2017 Urban Heat Island Management Study*. Dallas, TX. Texas Trees. [https://texastrees.blob.core.windows.net/static/Texas%20Trees%20UHI%20Sudy\\_Final\\_v4\\_title%20change.pdf](https://texastrees.blob.core.windows.net/static/Texas%20Trees%20UHI%20Sudy_Final_v4_title%20change.pdf)
4. Urban Climate Lab (2016). *Louisville Urban Heat Management Study*. Louisville, KY. Metro Louisville Office of Sustainability. [https://louisvilleky.gov/sites/default/files/advanced\\_planning/louisville\\_heat\\_mgt\\_revision\\_final\\_prelim.pdf](https://louisvilleky.gov/sites/default/files/advanced_planning/louisville_heat_mgt_revision_final_prelim.pdf)
3. Cities Impacts & Adaptation Tool (2014). Ann Arbor, MI. Great Lakes Adaptation Assessment for Cities, University of Michigan Climate Center. <http://graham-maps.miserver.it.umich.edu/ciat/home.xhtml>
2. **Mallen, E.** (2012). "Climate Mapping in the Great Lakes Region as a Means for Inter-Urban Collaboration in Climate Adaptation Planning." Master's Thesis. University of Michigan: USA. <http://deepblue.lib.umich.edu/handle/2027.42/90924>
1. Larsen, L., Rajkovich, N., Leighton, C., McCoy, K., Calhoun, K., **Mallen, E.**, Bush, K., Enriquez, J., Pyke, C., McMahon, S., and Kwok, A. (2011). "Green Building and Climate Resilience: Understanding Impacts and Preparing for Changing Conditions." University of Michigan; U.S. Green Building Council.

## RESEARCH EXPERIENCE

**Urban Climate Lab**, Atlanta, GA  
**Research Assistant**

August 2014 – Present

New Orleans Temperature Monitoring Network  
*Funded by Thriving Earth Exchange*  
*PI: Brian Stone, Julia Drakpkin*

November 2018 - Present

- Advise temperature sensor network deployment monitoring green infrastructure cooling potential in New Orleans neighborhoods.
- Design public outreach materials summarizing methods and findings for community engagement.

Hazards SEES: Enhancing Emergency Preparedness for Critical Infrastructure During Extreme Heat Events

*Funded by the National Science Foundation*

May 2016 – Present

*PI: Brian Stone Jr., Marie O'Neill, Mattei Georgescu, Fried Augenbroe, Sharon Harlan*

- Collaborating with the University of Michigan and Arizona State University to analyze personal heat exposure in Atlanta, Detroit, and Phoenix.
- Managed environmental monitoring equipment including indoor, outdoor, and wearable temperature sensors deployed across the Atlanta metropolitan region.
- Responsible for leading the data analysis and processing team.
- Devised novel spatial analysis techniques for using climate and synthetic population data in GIS.
- Process and interpret building energy model data simulating interior heat exposure metrics across each study city.
- Present findings at national and international conferences and in public presentations.

Georgia Tech Climate Network

August 2014 – Present

*Funded by the Georgia Institute of Technology Capital Planning & Space Management Department, the United States Forest Service, and IPaT Smart & Connected Communities*

*PI: Brian Stone Jr.*

- Manage the Tech Climate Network, a dense temperature sensor network monitoring diverse microclimates across campus and the City of Atlanta.
- Present research in both academic and public community engagement forums.
- Responsible for siting, ordering, constructing, deploying, maintaining and calibrating these outdoor temperature sensors.
- Collect, maintain, process and present the data in ways that are useful to our partners or interested parties.
- Train, mentor, and supervise new lab members and research assistants.

Dallas Urban Heat Management Study

May 2016 – July 2017

*Funded by Texas Trees*

*PI: Brian Stone Jr.*

- Co-authored the first heat mitigation plan for Dallas, TX, using regional climate models to drive policy-based scenarios for managing urban heat.
- Managed land cover modifications for greening and cool material scenario development and collaborate with a team of atmospheric scientists to generate air temperature and air pollution outputs from the models.

New Orleans Urban Heat Island Analysis

January 2015 – August 2016

*Funded by the Trust for Public Land*

*PI: Brian Stone Jr.*

- Analyzed relative urban heat island hotspots in the city of New Orleans using various gridded air and surface temperature datasets in ArcGIS. These maps were a critical component of an overall heat vulnerability assessment of New Orleans to guide green infrastructure strategy implementation.

Louisville Urban Heat Management Study

August 2014 – January 2015

*Funded by the Louisville Metro Office of Sustainability*

*PI: Brian Stone Jr.*

- Co-authored the first heat mitigation plan in the United States for Louisville, KY.
- Ran regional climate models to simulate greening and cool material heat management strategies.
- Managed environmental observations used to calibrate the regional climate models.

**Great Lakes Adaptation Assessment for Cities**, Ann Arbor, MI

May 2011 – August 2014

*Funded by the Kresge Foundation*

*PI: Maria Lemos, Arun Agrawal*

*CI: Larissa Larsen, John Callewaert, Richard Rood*

- Worked in collaboration with the Great Lakes Integrated Sciences and Assessments and several partner cities to develop climate mitigation and adaptation.
- Led the development of the Cities Impacts and Adaptation Tool, an online tool for planners working pursuing climate adaptation efforts in the Great Lakes Region.

**University of Michigan School of Public Health**, Ann Arbor, MI  
*Funded by the National Institutes of Health*  
*PI: Marie O'Neil*  
*CI: Veronica Berrocal, Larissa Larsen, Richard Rood*

May 2012 – August 2014

- Research associate for a research group analyzing heat vulnerability in Detroit, Cleveland, and Washington, DC.
- Created a variety of heat vulnerability indices in GIS and attended stakeholder workshops to gather feedback on their utility and identify the practitioners' needs to effectively reduce heat-related morbidity and mortality.

**United States Green Building Council**, Washington DC

August 2010 – January 2011

- Co-authored the report “Green Building and Climate Resilience: Understanding Impacts and Preparing for Changing Conditions” recommending modifications to the LEED point system priority to respond regional climate change.

**University of Michigan Physics Department**, Ann Arbor, MI

May 2007 – August 2008

- Astrophysics research assistant examining galaxy spin. In this role, I managed task assignment for three students and managed tool development projects to aid the process.

**Joint Institute of Nuclear Astrophysics**, Notre Dame, IN

May 2004 - July 2004

- Ran calibration experiments on the Notre Dame linear particle accelerator in collaboration with the Quarknet program.

## **TEACHING EXPERIENCE**

**Program Co-Coordinator**

July 2020 - Present

*University Center of Exemplary Mentoring*

- Develop and conduct workshops for GT Sloan Fellows, focusing on academic and professional development for minority PhD students in the Colleges of Engineering and Computing.
- Analyze program effectiveness through indicators of academic and professional success and wellbeing.

**Postdoctoral Fellow**

January 2020 - Present

*Georgia Institute of Technology, Center for Teaching & Learning*

- Lead Georgia Tech's Graduate Teaching Fellows program, including training, mentoring, and advising classroom observations and projects in pedagogy.
- Conduct workshops and consultations with instructors to aid in transition from face-to-face to remote teaching during COVID-19 pandemic.
- Designed and led workshop on incorporating UN Sustainable Development Goals into pedagogy across disciplines at Georgia Tech.
- Conduct classroom observations and individual consultations with instructors on teaching strategies, lesson planning, and course design.
- Contribute to development of CTL teaching resources and initiatives.
- Lead graduate Tech to Teaching Capstone course.

**Instructor of Record, Tech to Teaching Capstone**

January 2020 – Present

*Georgia Institute of Technology Center for Teaching & Learning*

- Lead a teaching practicum of graduate students and postdocs to apply and develop course design and pedagogical skills in a seminar setting.
- Observe, critique, and coach individual students through each teaching experience.
- Develop exploratory and reflective activities such as faculty interviews and development of teaching philosophy.

**Instructor of Record, Urban Environmental Planning & Design**

October 2017 – Present

*Georgia Institute of Technology, School of City & Regional Planning*

- Re-designed much of this graduate level course, including, lecture material, activities, site visits, and assessments.
- Received institute-wide Graduate Student Instructor of the Year for work in this course.
- Class size of approximately 20 graduate students.

**Graduate Thesis Advisor**

April 2020 – Present

*Georgia Institute of Technology, School of City & Regional Planning*

- Current advisor for a Master of Urban & Regional Planning option paper on flood risk planning in Brazil.

**Graduate Teaching Assistant, Center for Teaching & Learning**

May 2019 – December 2019

*Georgia Institute of Technology*

- Organized and facilitated the CTL Book Club.
- Conduct classroom observations and individual consultations with instructors on teaching strategies, lesson planning, and course design.
- Contribute to development of CTL teaching resources and initiatives.

**Co-Coordinator, Summer iGniTe Program**

May 2019 – July 2019

*Georgia Institute of Technology, Serve-Learn-Sustain*

- Co-coordinated with staff and instructors for undergraduate iGniTe Summer Session in the Equitable and Sustainable Development track.
- Designed, coordinated, and led experiential learning opportunities across and within affiliated courses with emphasis on transdisciplinary perspective.
- Improved program framework and teaching materials to advance and deepen transdisciplinary learning.
- Developed teaching handbook for my previously designed Sustainable Cities Studio to improve course instruction under new leadership and improve cohesion with prerequisite Sustainable Urban Development course.
- Identified and developed opportunities for long-term community partnerships for the above courses.

**Instructor of Record, GT1000 Leadership Track**  
*Georgia Institute of Technology, Center for Academic Enrichment*

May 2019 – July 2019

- Designed curriculum for incoming freshman class on leadership development.
- Led in-class lectures and activities.
- Provided constructive feedback on assessments to encourage personal reflection and growth.
- Class size of roughly 25 students.

**Graduate Teaching Fellow**  
*Georgia Institute of Technology, Center for Teaching and Learning*

August 2018 – May 2019

- Conducted teaching observations for PhD, postdoctoral, and early career instructors.
- Provided written observation reports and in-person consultations to debrief observation.
- Designed and led sections of TA Orientation including teaching tips and GT teaching policies.
- Participated in and co-facilitated curriculum review process for School of City & Regional Planning to offer recommendations to improve Environmental & Health Planning concentration.

**Instructor of Record, Sustainable Cities Studio**  
*Georgia Institute of Technology, School of City & Regional Planning*

May 2018 – December 2018

- Designed and led a new undergraduate studio course offering on sustainable cities, a capstone course for the School of City & Regional Planning Sustainable Cities Minor.
- Interdisciplinary undergraduate studio course of 9 students representing 7 majors across campus.
- Partnered with Central Atlanta Progress to advance green infrastructure goals of 2017 Atlanta Downtown Master Plan.
- Studio deliverables and process may be adopted by Atlanta Urban Ecology Framework.
- Mentored TA interested in teaching and pursuing a PhD.
- Final report available here: <https://smartech.gatech.edu/handle/1853/61050>

**Tech to Teaching Capstone**  
*Georgia Institute of Technology, Center for Teaching and Learning*

January 2018 – May 2018

- Observed peer instructors and commented on their teaching methods while they observed me in my own classroom.
- Discussed lesson plans with multi-disciplinary cohort.
- Completed teaching capstone portfolio of classroom observations and reflections on my instruction of Urban Environmental Planning & Design.

**Teaching as Research Seminar, Atlanta, GA**  
*Georgia Institute of Technology, Center for Teaching and Learning*

January 2018 – May 2018

- Participated in a Teaching as Research seminar to develop a proposal analyzing the value of site visits in environmental education.

**Tech to Teaching: Course Design**

January 2017 – May 2017

*Georgia Institute of Technology, Center for Teaching and Learning*

- Constructed a new syllabus for Climate Change & the City using universal and backward design techniques.
- Compiled course design portfolio detailing progress and results.

**Tech to Teaching: Fundamentals of Teaching & Learning**

August 2015 – December 2015

*Georgia Institute of Technology, Center for Teaching and Learning*

- Discussed active learning techniques for classroom engagement.
- Applied universal design strategies and assessment techniques.
- Developed lesson plans for planning theory.

**Japanese Teaching Assistantship, Ann Arbor, MI**

September 2006 - April 2008

*University of Michigan, Residential College*

- Assisted in the instruction and management of the Residential College Intensive Japanese course, including conversation tables, elements of course design, and one-on-one tutoring.

**Tutor, Physics, Ann Arbor, MI**

September 2007 – May 2009

*University of Michigan, School of Physics*

- Tutored introductory mechanics, electricity and magnetism material as part of the University of Michigan's Comprehensive Studies Program and the Society of Physics Students.

**SERVICE****Academic Faculty Search Committee, Housing and Community Development**

August 2019 – March 2020

*School of City & Regional Planning, Georgia Institute of Technology*

- Aid in the development of job posting and requested application materials.
- Participate in candidate interviews.

**Administrative Staff Search Committee**

August 2019 – November 2019

*Center for Teaching and Learning, Georgia Institute of Technology*

- Reviewed applicant resumes and participated in interview process.

**Planning Accreditation & Curriculum**

June 2018 – August 2018

*Georgia Institute of Technology, School of City & Regional Planning*

- Co-led a series of listening labs with planning employers, leaders, and students to seek input into the future of planning education and practice.
- Co-authored whitepaper arguing for new concentration on Urban Resilience to be formally adopted by the school.
- Coordinated learning outcomes for the Environmental and Health Planning concentration



**Urban Resilience Advisor, Atlanta Art Identifier**  
*Urban Catalyst Lab*

May 2019 - Present

- Serving as academic advisor in Urban Resilience for a group of local artists establishing an Art Identifier for Atlanta to be constructed in the Atlanta Underground, funded by WRS Inc. This collaborative project seeks to portray Atlanta's rich civil rights history while providing guidance for Atlanta's future sustainability and urban resilience.
- Currently developing short course for Georgia Tech School of City & Regional Planning to

**Advisor, Sustainability Action Plan, Downtown Atlanta**  
*Central Atlanta Progress*

May 2019 - Present

- Serving on an advisory committee for the upcoming Sustainability Action Plan for Downtown Atlanta led by Central Atlanta Progress.

**Technical Advisor, Urban Ecology Framework**  
*Department of City & Regional Planning, Atlanta, GA*

December 2018 – Present

- Technical advisory committee member for Atlanta's Urban Ecology Framework. This initiative led by Atlanta's Department of City Planning seeks to restore and protect natural habitats and greenspace as Atlanta continues to grow.

**Leadership Education and Development Coach**  
*Georgia Institute of Technology, LEAD*

August 2018 – Present

- Coach undergraduate students for academic and professional success.
- Help students achieve goals they set for themselves during the semester, including topics such as time management, language skills, leadership ability, and job applications.

**Serve-Learn-Sustain Assessment Partner**  
*Georgia Institute of Technology, Serve-Learn-Sustain*

July 2018 – Present

- Aid in the design of learning outcomes for Georgia Tech's Serve-Learn-Sustain initiative.
- Created adaptable rubric for general use with any SLS-affiliated course institute-wide.

**Ecological Design Studio Reviewer**  
*Georgia Institute of Technology, School of Architecture*

December, 2017 – Present

- Regular reviewer for ecological design studios with Fred Pearsall.

**Grad Groups Leader**  
*Georgia Institute of Technology*

August 2018 – October 2019

- Mentor groups of incoming graduate students via extended orientation sessions, discussing topics such as academic success and mental health management.

## Peer Review

September 2016 – Present

- Regular reviewer for the journal Urban Climate, achieving their “outstanding reviewer” designation.
- Reviewer for Journal of Planning Education & Research, Journal of Extreme Events, International Journal of Environmental Research & Public Health, and City & Environment Interaction.

## Trees Atlanta

July 2016 – Present

*Atlanta, GA*

- Frequent invited lecturer for Trees Atlanta Treekeepers and Canopy Conference community outreach events discussing topics related to my research and teaching activities.
- Lead tours and information sessions on the urban heat island and green infrastructure for Trees Atlanta’s Youth Tree Team.

## Neighborhood Association Board Member

December 2014 – Present

*Atlanta, GA*

- Former Board Secretary for Francis XIV Home Owners Association.
- Howell Station Neighborhood Association Board Member.

## ReSkilling Festival Organizer

December 2011 – June 2014

*Ann Arbor, MI*

- Organizer for Ann Arbor ReSkilling Festival, a community organizing effort designed around sharing skills and knowledge with local experts and enthusiasts.

## **PROFESSIONAL ORGANIZATIONS**

Urban Wildlife Information Network	2019 - Present
The Climate Reality Project: Atlanta Chapter	2019 - Present
RCE Greater Atlanta	2018 - Present
Association of Collegiate Schools of Planning	2014 - Present
American Society of Adaptation Professionals	2012 - Present
American Planning Association	2010 - Present
Sigma Pi Sigma Physics Honor Society	2009 - Present

## **HONORS**

Graduate Student Instructor of the Year, Georgia Institute of Technology	2019
Graduate Student Instructor of the Year, School of City & Regional Planning	2019
Thank a Teacher Certificate Recipient	2019-2020
Graduate Teaching Fellowship	2018-2019
Leadership Education and Development Fellowship	2018-2019
Presidential Fellowship	2014-2017
Raoul Wallenberg Scholarship	2010-2012

## **NOTABLE PRESENTATIONS AND MEDIA**

40. **Mallen, E.** “Local Climate Change Planning and Policy.” Invited lecture. Senior University of Greater Atlanta Session: Climate Change: Policies and Solutions. November, 2020.
39. **Mallen, E.** “Atlanta’s Urban Forest: Urban Cover & Heat Island Research.” Invited public lecture. Trees Atlanta. September, 2020.
38. **Mallen, E.** “Ask the Expert: Evan Mallen on Local Climate Change.” Invited public presentation. Trees Atlanta. August, 2020.
37. **Mallen, E.** “Local Climate Change is Climate Change.” Invited panelist. Trees Atlanta Canopy Conference. Atlanta, GA. February, 2020.
36. **Mallen, E.** “Urban Heat Islands.” Invited public presentation. Science Night Series, Elachee Nature Science Center. Gainesville, GA. February, 2020.
35. **Mallen, E.** “Holistic Environmental Planning.” Invited Lecture. Urban Wildlife Information Network Summit. Chicago, IL. November, 2019.
34. **Mallen, E.** “Atlanta’s Urban Forest: Canopy Cover & Heat Island Research.” Invited public presentation. Trees Atlanta. Atlanta, GA. September, 2019.
33. **Mallen, E.** “Introduction to Urban Heat Islands.” Invited Lecture. CP6112: Intro to Land Use. September, 2019.
32. **Mallen, E.** “Introduction to the Urban Climate Lab.” Invited Lecture. CP4052: Sustainable Cities Studio. September, 2019.
31. **Mallen, E.** “Introduction to Urban Heat Islands and the Tech Climate Network.” Invited lecture. ARCH 8856: CAUSE + EFFECT 2.0: design bridging the nature/culture divide. August, 2019.
30. **Mallen, E.** “Plantlanta Presents: This is Climate Change.” Invited panelist. Revery VR Bar. Atlanta, GA. July, 2019.
29. **Mallen, E.** “Speaker Series: Managing Climate Change in Cities.” Invited public presentation. Trees Atlanta. Atlanta, GA. July, 2019.
28. **Mallen, E.** “Introduction to Urban Heat Islands.” Invited lecture. Center for Serve-Learn-Sustain Equitable and Sustainable Development GT1000 S2. Georgia Institute of Technology. Atlanta, GA. July, 2019.
27. **Mallen, E.** “Introduction to Urban Heat Islands.” Invited lecture. Center for Serve-Learn-Sustain Equitable and Sustainable Development GT1000 S1. Georgia Institute of Technology. Atlanta, GA. July, 2019.
26. **Mallen, E.** “Urban Heat Islands, Research and Resolutions.” Invited public presentation. U.S. Southeast GLOBE Student Research Symposium. Atlanta Metropolitan State College. May 11, 2019.
25. **Mallen, E.** “Urban Heat and Health.” Invited lecture. 2019 Climate & Respiratory Health Summit. Council of State and Territorial Epidemiologists. May 8, 2019.

24. Wenk, A. "Cover Story: Atlanta's Urban Forest Under Fire." Interviewee. *Atlanta Business Chronicle*. April 5, 2019.
23. **Mallen, E.** "Corridor Design and Greenspace Strategies." Invited public presentation. Trees Atlanta Treekeepers. Atlanta, GA. April, 2019.
22. **Mallen, E.** "Urban Heat Islands: Research and Resolutions." Invited lecture. CP2233: Sustainable Urban Development. Georgia Institute of Technology. Atlanta, GA. March, 2019.
21. **Mallen, E.** "Urban Heat Islands: Research and Resolutions." Invited public presentation. Trees Atlanta Treekeepers. Atlanta, GA. March, 2019.
20. **Mallen, E.** "Urban Heat Islands: Research and Resolutions." Invited lecture. CP6233: Sustainable Urban Development. Georgia Institute of Technology. Atlanta, GA. February, 2019.
19. **Mallen, E.** "Thermal impacts of built and natural environments in the Georgia Tech Climate Network." Seminar. Green Infrastructure, Climate, and Cities Seminar Series. Columbia University, New York. January, 2019.
18. **Mallen, E.** Georgia Institute of Technology Pre-Graduate Advising Application Information Session and Graduate Student Panel. Invited panelist. Georgia Institute of Technology, Atlanta, GA. October, 2018.
17. **Mallen, E.,** Stone, B., Lanza, K. "High-resolution microclimate mapping in the Tech Climate Network." Poster. American Collegiate Schools of Planning Annual Conference. Buffalo, NY. October, 2018.
16. **Mallen, E.,** Stone, B., Bakin, J. "Urban and rural temperature trends in proximity to large US cities: 1988-2017." Poster. American Collegiate Schools of Planning Annual Conference. Buffalo, NY. October, 2018.
15. **Mallen, E.,** Stone, B. "A methodological assessment of extreme heat mortality modeling and heat vulnerability mapping in Atlanta, Detroit, and Phoenix." American Collegiate Schools of Planning Annual Conference. Buffalo, NY. October, 2018.
14. **Mallen, E.** "Urban Heat Islands: Research and Resolutions." Invited public presentation. Trees Atlanta Treekeepers. Atlanta, GA. September, 2018.
13. **Mallen, E.,** Stone, B., Lanza, K. "Thermal Impacts of Built and Vegetated Environments on Local Microclimates in the Tech Climate Network." 10<sup>th</sup> International Conference on Urban Climate. New York City, NY. August, 2018.
12. **Mallen, E.,** Stone, B., Lanza, K. "A Meta-Methodological Analysis of Extreme Heat Mortality Modeling and Heat Vulnerability Mapping in Dallas, Texas." 10<sup>th</sup> International Conference on Urban Climate. New York City, NY. August, 2018.
11. **Mallen, E.,** Stone, B., Lanza, K. "Thermal impacts of built and vegetated environments on local microclimates in the Tech Climate Network." Poster. Urban Climate Research Center Student Poster Competition. Tempe, AZ. April, 2018.
10. **Mallen, E.,** Stone, B., Lanza, K. "Thermal impacts of built and vegetated environments on local microclimates in the Tech Climate Network." Poster. American Collegiate Schools of Planning Annual Conference. Denver, Colorado. October, 2017.

9. **Mallen, E.**, Stone, B., Lanza, K. "Extreme heat mortality model validation of heat vulnerability mapping in Dallas, Texas." American Collegiate Schools of Planning Annual Conference. Denver, Colorado. October, 2017.
8. **Mallen, E.** "Communicating Climate Change to Planners in the Great Lakes: Cities Impacts and Adaptation Tool. 9<sup>th</sup> International Conference on Urban Climate. Toulouse, France. July 24, 2015
7. **Mallen, E.** "Development of a Dense Climate Monitoring Network for the Georgia Institute of Technology." 9<sup>th</sup> International Conference on Urban Climate. Toulouse, France. July 23, 2015.
6. **Mallen, E.** "Urban and Rural Temperature Trends in Proximity to Large US Cities: 1975-2014." 9<sup>th</sup> International Conference on Urban Climate. Toulouse, France. July 23, 2017
5. **Mallen, E.** "Communicating Climate Change to Urban Planners in the Great Lakes." 8<sup>th</sup> International Conference on Urban Climate. Dublin, Ireland. August 10, 2012.
4. **Mallen, E.** "Great Lakes Climate Zones and Case Study Selection." 2012 Michigan Association of Planners Conference. Grand Traverse Resort, Acme Township, Michigan. October 18, 2012.
3. **Mallen, E.** "Sizing up the effects of climate change in our area." *Issues of the Environment*. WEMU. September 26, 2012. Radio.
2. **Mallen, E.** "Cities Impacts and Adaptation Tool Workshop." 2014 Great Lakes Adaptation Assessment for Cities Adaptation in the Great Lakes Region Conference. Ann Arbor, Michigan. June 25, 2014.
1. **Mallen, E.** "Heat Vulnerability Mapping in Washington, DC." 2014 Great Lakes Adaptation Assessment for Cities Adaptation in the Great Lakes Region Conference. Ann Arbor, Michigan. June 25, 2014.