



MICHIGAN UNIVERSITY-WIDE  
SUSTAINABILITY & ENVIRONMENT  
CONFERENCE | WORKSHOP | SOCIAL

*All conference times are in EST.*

Monday, February 22

11:00am–12:00pm	<b>Keynote Address</b> Jeremy Orr, Esq., Natural Resources Defense Council
12:00–1:30pm	<b>Break</b>
1:30–3:00pm	<b>Panel 1: Power Dynamics</b>
3:00–3:30pm	<b>Break</b>
3:30–5:00pm	<b>MUSE Workshop Focus Group</b>
5:00–6:00pm	<b>Break</b>
6:00–7:00pm	<b>Fireside Chat</b> Dr. Carolyn Finney (in conversation with Samantha Adams)

Tuesday, February 23

11:00am–12:30pm	<b>Panel 2: Community and Stakeholder Engagement</b>
12:30–1:00pm	<b>Break</b>
1:00–2:30pm	<b>Panel 3: Modeling for Decision Making</b>
2:30–3:30pm	<b>Workshop</b> Dr. Ana Pimentel Walker, Taubman College, University of Michigan
3:30–5:30pm	<b>Workshop: Defining and Measuring Race in Systems Research</b> Dr. Grace Noppert, Institute for Social Research, University of Michigan Dr. Michael Craig, School for Environment and Sustainability, University of Michigan

Wednesday, February 24

11:00am–12:30pm	<b>Panel 4: Social Activism</b>
12:30–1:00pm	<b>Break</b>
1:00–2:30pm	<b>Panel 5: Policy &amp; Urban Planning</b>
2:30–3:30pm	<b>Keynote Address</b> Dr. Mika Kennedy, Department of English, Kalamazoo College
3:30–5:00pm	<b>MUSE Workshop Focus Group</b>

Thursday, February 25

11:00am–12:30pm	<b>Panel 6: Water Systems</b>
12:30–1:00pm	<b>Break</b>
1:00–2:30pm	<b>Panel 7: Perceptions of Environment and Nature</b>
2:30–5:30pm	<b>Poster Session</b>
5:30–6:00pm	<b>Break</b>
6:00–7:00pm	<b>Trivia Night</b>

Friday, February 26

11:00am–12:30pm	<b>Panel 8: Environmental Resiliency</b>
12:30–2:00pm	<b>Break</b>
2:00–4:00pm	<b>Writing Workshops</b>

Learn more about MUSE: <https://muse-initiative.umich.edu>  
Join the conversation: #MUSE\_UMich2021

### Panel 1: Power Dynamics

Monday, 22 February, 1:30 - 3:00pm

Samantha Adams (English/WGS, 10-20 min) *After Middle Passage: Originating the Black Literary Subject in Extra-Atlantic Waters*  
Stefania Almazán-Casali (SEAS, 5-10 min) *The Role of Power Dynamics and Worldviews in Fostering or De-Incentivizing Water Policy Changes in a Brazilian River Basin*  
Grace Burleson (Design Science, 10-20 min) *Latent Techno-Aggressions: How Technology Perpetuates Racial Injustices in the United States*  
Peter Siciliano (SEAS/SOE, 5-10 min) *A Bibliometric Review of Higher Education Sustainability Competency Literature*  
Questions/Discussion

### Panel 2: Community and Stakeholder Engagement

Tuesday, 23 February, 11:00am - 12:30pm

Larrea Young (Stamps, 5-10 min) *The Lunch Club: Enabling High School Students to Express Their Visions for School Cafeterias Through Design*  
Clare Kucera (SEAS/Urban Planning, 10-20 min) *Championing Community Stormwater Solutions*  
Jamie Lee (Taubman/CEE, 5-10 min) *Probing Agriculture*  
Lisa DuRussel (SEAS, 10-20 min) *Tough Clients/Complex Sites: A Hybrid Community Conversation Strategy to Build Public Trust*  
Questions/Discussion

### Panel 3: Modeling for Decision Making

Tuesday, 23 February, 1:00 - 2:30pm

Junghoon Park (SEAS/Ross, 5-10 min) *Environmental and Social Impact Assessment on Electric Motorcycles in Kampala, Uganda*  
Alison Surdoval (SEAS, 5-10 min) *Financial Mechanisms to Reduce Agricultural Sedimentation in Michigan*  
Amanda Farthing (SEAS/ME, 10-20 min) *Beyond the (Energy) Bill: Incorporating Health, Emissions, and Resilience into the REopt Model*  
Rachael Carlberg (SEAS, 5-10 min) *Factors Influencing Yellow-Legged Gull Distribution Patterns in the Cyclades*  
Elena Essa (SEAS & Engin, 5-10 min) *Implementing Community Solar in Chelsea, Michigan*  
Questions/Discussion

### Panel 4: Social Activism

Wednesday, 24 February, 11:00am - 12:30pm

Federico Fridman (RLL, 10-20 min) *The 'Environmentalization' of Social Struggles in Latin America*  
Ernesto Martinez (RLL, 5-10 min) *Land Dispossession, Borders and Pipelines in North America*  
Nomindari Gousakoff (Ford, 5-10 min) *Social Media - Agency and Vulnerability*  
Katherine Hummel (Eng/LSA, 10-20 min) *The Vanishing Corporation: How Archival Protest Photos and Indra*

*Sinha's Animal's People* Expose Dow Chemical's Neglect of Bhopal

Martín Ruiz-Mendoza (RLL, 5-10 min) *Violence, Race, and Environmental Justice in Colombia's Cauca Region*  
Questions/Discussion

### Panel 5: Policy & Urban Planning

Wednesday, 24 February, 1:00 - 2:30pm

Sarah Jane Kerwin (English, 5-10 min) *Vanishing the Indian: Allotment Acts, National Parks, and Troubled Commons*  
Kira Rib (SPH, 10-20 min) *Exploring Urban Agriculture as a Vacant Land Use Strategy in Saginaw, Michigan*  
Kailynn Barton (SPH, 5-10 min) *Asbestos and Mesothelioma: A Review of the Pathophysiology, Risk Factors, and Public Health Implications*  
Bashar Abdul Nour (CSEP U-M Flint, 10-20 min) *The Path Towards a New Sustainable Mobility*  
Tim Berke (URP, 5-10 min) *Using Land to Promote Refugee Self-Reliance in Uganda*  
Questions/Discussion

### Panel 6: Water Systems

Thursday, 25 February, 11:00am - 12:30pm

Helena Garcia (SEAS, 10-20 min) *Coastal Water Level Variability and Nearshore Flooding Impacts in Southeast Michigan*  
Daehyun Ko (CEE, 5-10 min) *Environmental Assessment of Alternatives in a Large Wastewater Treatment Plant using Life Cycle Assessment (LCA)*  
Changyoon Jun (CEE, 10-20 min) *Modeling of Biological Phosphorus Removal and Analysis for Improving the Performance of Phosphorus Uptake Organisms in GLWA Water Resource Recovery Facility*  
Yiwen Mei (SEAS, 10-20 min) *Time Scale-Invariant Differences between Meteorological and Hydrological Drought Time Scales*  
Questions/Discussion

### Panel 7: Perceptions of the Environment and Nature

Thursday, 25 February, 1:00 - 2:30pm

Rachel Petrak (Management U-M Flint, 5-10 min) *American and Global Trends in Science Knowledge and Opinions about Climate Change*  
Emily Schaller (CEDER/Edu, 10-20 min) *Teaching Future Sustainability Leaders in K-12: How One Teacher Turned a Unit on the Industrial Revolution into a Lesson on Civic Responsibility*  
Scotti Parrish (English/PitE/LSA, 5-10 min) *Solomon Northup's Fishtrap*  
Najwat Rehman (Stamps, 5-10 min) *Making Khichri: Leveraging Design to Facilitate Evidence-Based Policymaking to Address Climate Change-Induced Food Security Vulnerabilities in Pakistan*  
Questions/Discussion

## Panel 8: Environmental Resiliency

Friday, 26 February, 11:00am - 12:30pm

- Lauren Ashley Week (Taubman/Law, 5-10 min) *Shaking Up Small Business: The Impact of Seismic Retrofitting on Small Businesses in San Francisco*
- Leila Braun (English/LSA, 5-10 min) *Unseasonable Weather: Literary History in the Anthropocene*
- Valerie Washington (IOE, 10-20 min) *The Effect of Flood Insurance Subsidies on Communities*
- Ryan McWay (ISR, 5-10 min) *American Tornadoes: Tornado Shocks on U.S. Metropolises*
- Adriane Kline (SPH/SEAS, 5-10 min) *Highlighting Women's Voices in a Climate Change and Livelihood Narrative: A Case Study in a Rural Fijian Community*

## Poster Session: Thursday, 25 February, 2:30-5:30 pm

- Zijun Li (SEAS) *Evaluating the Interactions between Land Cover's Composition and Land Surface Temperature after Hurricane Katrina in New Orleans*
- Jessica Amey (Edu) *How Pollution Affects Education Outcomes*
- Eleanor Aro (EES) *The Resilience Project: Disparities in the Effects of Air Pollution in Urban Areas*
- Pauline Droege (EES) *The Resilience Project: Measuring, Modeling, and Resilience to Hurricanes along the Eastern Seaboard*
- Archita Agrawal (LSA) *The Resilience Project: Earthquake Threats in the Eastern U.S.*
- Clara Nunez-Regueiro (LSA/PitE) *The Web of Causality for Mexico-USA Avocado Trade*
- Hong Do (SEAS) *A New Estimate of Monthly Water Balance for the Laurentian Great Lakes*
- Julian Florez (ME/SEAS) *Reliability Benefits of Wide-Area Renewable Energy Planning: Effective Load Carrying Capabilities of Wind and Solar Power across the Western United States*
- Alyssa Scheske (Engin) *Bumble Bee Classification Activity*
- Adam Peterson (SPH) *Identifying Heterogeneous Effects in the Built Environment*
- Jennifer Siegel (SEAS) *Dynamic Power Struggles in Water Governance*

## Writing Workshop: Friday, 26 February, 2:00-4:00 pm

- Alison Surdoval (SEAS) *Landscape-Scale Agroecology on Michigan Grain Farm*
- Jennifer Fuller (SEAS) *Characterizing Black Tern (*Chlidonias Niger*) Nesting Response to Changing Water Levels and Flooding in Lake St. Clair, MI*
- Devika Agarwal (SEAS/Ross) *A Roadmap to a Responsible and Resilient Global Apparel Value Chain*
- Tim Williams (IOE) *Equity as a Necessary but Underutilized Concept in Models Applied to Policy Analysis*

