



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

All conference times are in EST.

Monday, February 22

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

Tuesday, February 23

- 11:00am–12:30pm **Panel 2: Community and Stakeholder Engagement**
- 12:30–1:00pm **Break**
- 1:00–2:30pm **Panel 3: Modeling for Decision Making**
- 2:30–3:30pm **Workshop**
Dr. Ana Pimentel Walker, Taubman College, University of Michigan
- 3:30–5:30pm **Workshop: Defining and Measuring Race in Systems Research**
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 **Panel 4: Social Activism**
- 12:30–1:00pm **Break**
- 1:00–2:30pm **Panel 5: Policy & Urban Planning**
- 2:30–3:30pm **Keynote Address**
Dr. Mika Kennedy, Department of English, Kalamazoo College
- 3:30–5:00pm **MUSE Workshop Focus Group**

Thursday, February 25

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

Friday, February 26

- 11:00am–12:30pm **Panel 8: Environmental Resiliency**
- 12:30–2:00pm **Break**
- 2:00–4:00pm **Writing Workshops**

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 Bursleson and Kaylla Cantilina (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) *Large Catchment Storage Capacity Slows Down the Propagation from Meteorological to Hydrological Drought*
- 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*

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*

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*