AESS 2020: Research and Action

Wednesday, Jul 15 12:00 PM - 01:00 PM

Opening Plenary
Welcome and Keynote Speech

Myra Young Armstead
Bard College

Valerie Banschbach
Assoc Provost and Dean of Sciences and Education, Gustavus Adolphus College

Our 2020 keynote will be Dr. Myra Young Armstead. Dr. Armstead will be giving a talk titled Unleashing the Power of an Interdisciplinary Landscape, Environmental Studies. This talk will be broadcast live during the session time.

Schedule of events:
Opening and Welcome by AESS President Valerie Banschbach
Keynote by Dr. Armstead
Discussion moderated by Dr. Banschbach

Wednesday, Jul 15 01:15 PM - 02:15 PM

Teaching the Anthropocene: A New Paradigm for Environmental and Geoscience Education

Gary Gomby
Lecturer, Central Connecticut State University

This presentation will make the case for reorienting our traditional teaching paradigm to reflect the interconnected nature of anthropogenic change—of which climate change is just one part. It will discuss the origins of the Anthropocene concept, its relevance to understanding planetary change, and its utility as an organizing framework for environmental and geoscience education.

Wednesday, Jul 15 01:15 PM - 02:15 PM

A1-1: Teaching climate change and the Anthropocene
Teaching in ESS

Climate and energy studies Teaching and mentoring in environmental studies... Individual Paper Presentation
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<tr>
<th>Time</th>
<th>Session Name</th>
<th>Topic</th>
<th>Location</th>
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<tr>
<td>01:15 PM - 02:15 PM</td>
<td>Devin Judge-Lord</td>
<td>PhD Candidate, University of Wisconsin-Madison</td>
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<td>01:15 PM - 02:15 PM</td>
<td>Matt Goldberg</td>
<td>Associate Research Scientist, Yale University</td>
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<td>01:15 PM - 02:15 PM</td>
<td>A1-4: Embracing Disagreement in Environmental Thought</td>
<td>Environmental Arts and Humanities</td>
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<td>02:30 PM - 03:30 PM</td>
<td>A2-1: Engaged learning and ESS pedagogy</td>
<td>Teaching ESS</td>
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**A1-2: Fossil Fuel Money and Lobbying**

Devin Judge-Lord
PhD Candidate, University of Wisconsin-Madison

Matt Goldberg
Associate Research Scientist, Yale University

Oil and gas companies invest in legislators that vote against the environment. Do campaign contributions from oil and gas companies influence legislators to vote against the environment, or do these companies invest in legislators that have a proven anti-environmental voting record? Using 28 years of campaign contribution data, we find that evidence consistently supports the investment hypothesis: The more a given member of Congress votes against environmental policies, the more contributions they receive from oil and gas companies supporting their reelection.

**A1-3: Natural Resource Conservation and Management**

Natural Resource Management and Policy

**A1-4: Embracing Disagreement in Environmental Thought**

Environmental Arts and Humanities

**A2-1: Engaged learning and ESS pedagogy**

Teaching ESS
Wednesday, Jul 15

**A2-2: Resilience, adaptation, and climate justice**
Climate Adaptation and Resilience

- Climate adaptation and resilience
- Climate and energy studies
- Environmental justice
- Individual Paper Presentation

**A2-3: Centering Diversity & Inclusion with the AESS Diversity Committee**
Environmental Arts and Humanities

- Diversity and Inclusion
- Environmental arts and humanities
- Discussion Symposia

**A2-4: What's missing in ESS and what to do about it**
Teaching ESS

- Teaching and mentoring in environmental studies...
- Full Panel Presentation

**Chelsie Romulo**
Assistant Professor, University of Northern Colorado

**Debbie Kasper**
Associate Professor of Environmental Studies and Sociology, Hiram College

**Michelle Larkins**
Assistant Professor, Pacific University Oregon

In keeping with the theme of "Research and Action," this panel is concerned with the role of scholars and educators in environmental sciences and studies fields (ESS) to help students: 1) understand the urgent socio-environmental crises human activities have brought about and 2) develop a clear sense of how to engage with efforts at multiple levels to avert those crises and transition toward something better. With a sincere and enduring commitment to these goals, ESS has a strong record of critical self-reflection. From recent observations of incoherence in curricula to problematic theoretical assumptions to a poor record of conveying mechanisms ...

**A2-5: Natural Resource Management and Conservation**
Natural Resource Management and Policy

- Natural resource policy and management
- Individual Paper Presentation
Wednesday, Jul 15

**A3-1: Teaching sustainability**
Teaching ESS

- Sustainability
- Teaching and mentoring in environmental studies...
- Individual Paper Presentation

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Wednesday, Jul 15

**A3-2: Astoria and Energy: Dirty Power to Renewable Rikers**
Climate and Energy Studies

- Climate and energy studies
- Discussion Symposia

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Wednesday, Jul 15

**A3-3: International Examples of Climate Adaptation**
Climate Adaptation and Resilience

- Climate adaptation and resilience
- Individual Paper Presentation

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Wednesday, Jul 15

**A3-4: Environmental Justice**
Environmental Justice

- Environmental justice
- Individual Paper Presentation

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Wednesday, Jul 15

**A4-1: Integrating Social Responsibility in Two Courses: “Environmental Politics and Policy” and “Environmental Communication”**
Teaching ESS

- Teaching and mentoring in environmental studies...
- Discussion Symposia
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<td>A4-2: Climate change policy and action</td>
<td>Climate and Energy Studies</td>
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<td>A4-3: Environmental stewardship and citizen science</td>
<td>Natural Resource Management and Policy</td>
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<td>A4-5: Getting the most from external program reviews: before, during, and after</td>
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Thursday, Jul 16

**AESS Business Meeting**

- Carolyn Anthon
  Managing Director, Association for Environmental Studies and Sciences
- Diamond Holloman
  PhD Candidate, UNC Chapel Hill
- Erin Pischke
  Research associate, University of Oregon
- Karin Warren
  Professor & Chair, Randolph College
- Laureen Elgert
  Dr., Worcester Polytechnic Institute
- Lissy Goralnik
  Assistant Professor, Michigan State University
- Michael Finewood
  Assistant Professor, Pace University
- Valerie Banschbach
  Assoc Provost and Dean of Sciences and Education, Gustavus Adolphus College

Thursday, Jul 16

**B1-1: Cases in course design and experiential learning**

- Teaching ESS
  - Teaching and mentoring in environmental studies...
  - Individual Paper Presentation

Thursday, Jul 16

**B1-2: Energy, Earth and Environmental Education (E4) - advancing the conversation**

- Climate and Energy Studies
  - Climate and energy studies
  - Teaching and mentoring in environmental studies...
  - Discussion Symposia

Thursday, Jul 16

**B1-3: Impacting environmental policy in the spaces between research and implementation: Stories from the field**

- Natural Resource Management and Policy
  - Natural resource policy and management
  - Full Panel Presentation
Thursday, Jul 16

B1-4: The Power of Storytellers to Move the Planet Forward
Environmental Arts and Humanities

B1-5: Elizabeth Demaray: World Trade Center Studio Visit *60-minute workshop*
Climate Adaptation and Resilience

B2-1: EcoTypes: Exploring Environmental Ideas with Our Students *90 minute workshop*
Teaching ESS

B2-2: Getting our Sh*t Together BEFORE it Hits the Fan
Climate and Energy Studies

B2-3: Planning for Sea Level Rise and Flooding
Climate Adaptation and Resilience
Thursday, Jul 16

B2-4: Beyond Diversity: Fostering Inclusion and Belonging in the Environmental Movement
Environmental Arts and Humanities

[Topics]
- Diversity and Inclusion
- Environmental arts and humanities
- Discussion Symposia

Thursday, Jul 16:

Poster Session
B5-2

- Climate adaptation and resilience
- Climate and energy studies
- Diversity and Inclusion
- Environmental arts and humanities
- Environmental justice
- Natural resource policy and management
- Sustainability
- Teaching and mentoring in environmental studies...
- Wildlife and natural resource conservation

During this session, please head over to the Poster Showcase (click POSTERS in the left sidebar menu). Poster presenters will be available to answer your chats on their respective poster presentation profiles.

Thursday, Jul 16

B4-1: Cases in course design and experiential learning and research
Teaching ESS

[Topics]
- Teaching and mentoring in environmental studies...
- Individual Paper Presentation

Thursday, Jul 16

B4-2: Energy Justice
Climate and Energy Studies

[Topics]
- Climate and energy studies
- Environmental justice
- Individual Paper Presentation

Thursday, Jul 16

B4-4: Integrating climate action into the curriculum
Teaching ESS

[Topics]
- Climate and energy studies
- Teaching and mentoring in environmental studies...
- Full Panel Presentation
Thursday, Jul 16

**B5-1: Digital teaching tools for engaged learning**
Teaching ESS

- Teaching and mentoring in environmental studies...
- Individual Paper Presentation

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Thursday, Jul 16

**B5-2: Research in Climate Science**
Climate and Energy Studies

- Climate and energy studies
- Individual Paper Presentation

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Thursday, Jul 16

**B5-3: Food and Agriculture**
Environmental Justice

- Environmental justice
- Individual Paper Presentation

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Thursday, Jul 16

**B5-4: Introducing Sustainability to Undergraduate Audiences: Course Materials, Structure, and Big Ideas**
Teaching ESS

- Sustainability
- Teaching and mentoring in environmental studies...
- Discussion Symposia

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Friday, Jul 17

**C1-1: Diversity and Inclusion in ESS**
Teaching ESS

- Diversity and Inclusion
- Teaching and mentoring in environmental studies...
- Individual Paper Presentation
C1-2: Energy Policy
Climate and Energy Studies

C1-3: Perceptions of risk: water and climate change
Climate Adaptation and Resilience

C1-4: Research Universities as Climate Resilience Planning Partners
Climate Adaptation and Resilience

C2-1: Resilience in ESS Programs: A Program Materials Workshop to Save the World *60 minute workshop*
Teaching ESS

Barry Muchnick
Assistant Professor Environmental Studies, St. Mary's College of Maryland

Sam Whitehead
Associate Professor of Environmental Science and Conservation, Concordia University Texas

Susan Caplow
Associate Professor of Environmental Studies, University of Montevallo

C2-2: Decarbonization and clean energy transitions
Climate and Energy Studies
C2-3: Water justice
Environmental Justice

Karen Berger
Associate Professor, University of Rochester

C2-4: Sustainability
Sustainability

Karin Warren
Professor & Chair, Randolph College

C3-1: ESS program design: Undergraduates and Masters
Teaching ESS

Laura Henry-Stone
Associate Professor of Environmental Sciences and Sustainability, University of Lynchburg

This panel will showcase three examples of community-engaged work at different institutions around themes of climate, energy, and social justice. The panelists will discuss the challenges in developing meaningful partnerships with community partners and the opportunities such work gives to support the community while simultaneously deepening the students’ understanding of the wicked problem of climate injustice. Karen Berger will describe the process of developing partnerships to support community work on energy access, health, and climate vulnerability in the low-income City of Rochester, New York. Karin Warren will discuss campus-community collaboration for regional climate resilience assessment and planning in South-Central Virginia, ...

C3-2: Connecting campus and community for climate justice
Climate and Energy Studies

Karen Berger
Associate Professor, University of Rochester

Karin Warren
Professor & Chair, Randolph College

Laura Henry-Stone
Associate Professor of Environmental Sciences and Sustainability, University of Lynchburg

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Friday, Jul 17

C3-3: An Artist in Residence at a Scientific Institution

Teaching ESS

Environmental arts and humanities  Teaching and mentoring in environmental studies...  Discussion Symposia

Friday, Jul 17:

Awards Reception, Closing Remarks

Hanna Morris
Ph.D Candidate, University of Pennsylvania

Kimberly Smith
Professor, Carleton College

Susan Caplow
Associate Professor of Environmental Studies, University of Montevallo

Our 2020 Awards and Closing will be facilitated by Dr. Katharine Owens, AESS President-Elect. This awardee speeches (~ 15 minutes) will be broadcast live during the session time and available for watching after the conference. Schedule of events: Acknowledgements and introductions by AESS President-Elect Katharine Owens, Speeches by Kim Smith, Susan Caplow, and Hannah Morris, Discussion moderated by Katharine Owens, Closing