

SPRING 2024 SEMINAR SERIES



Erica Smithwick

Director of the Earth and Environmental Systems Institute and Distinguished Professor of Geography



Penn State's Climate Consortium: Partnerships for People and the Planet

How can Penn State leverage its resources and expand its partnerships to address the climate challenges faced in Pennsylvania and across this world? In Fall 2023, the Climate Consortium was established to address this question. In this talk, Smithwick will provide an overview of the Climate Consortium's mission and goals, review its themes and current activities, and identify opportunities to get involved. Research initiatives within EMS, especially in energy and energy transition, are foundational to Penn State's potential to innovate solutions that address both environmental and social issues associated with climate change mitigation and adaptation; ensuring the Consortium supports and amplifies these activities is critical, and Smithwick will invite dialogue as to how best we can do that work together.

MARCH 14

4 p.m.* – 5 p.m.

Coffee • Snacks • Connections

EMS ENERGY INSTITUTE
**C213 Coal Utilization
Laboratory**



EMS Energy Institute

* Parking is available at the Institute at 4 p.m.

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PennState
College of Earth
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Earth and Mineral Sciences
Energy Institute

SPRING 2024 SEMINAR SERIES

energyXchange

a seminar series
on energy science
and technology

FEBRUARY 8

Eugene Morgan

*Associate Head for Undergraduate Education
Undergraduate Program Chair of Energy Engineering
Associate Teaching Professor, John and Willie Leone Family
Department of Energy and Mineral Engineering*
CO₂-SMART: A New Industry-University
Collaborative Research Center for CO₂ Storage
Modeling, Monitoring, Analytics, and Risk
Reduction Technologies

MARCH 14

Erica Smithwick

*Director of the Earth and Environmental Systems Institute
and Distinguished Professor of Geography*
Penn State's Climate Consortium: Partnerships for
People and the Planet

MARCH 28

Sarma Pisupati

*Professor of Energy and Mineral Engineering, Chemical
Engineering, and Director of the Center for Critical Minerals
(C²M)*
Mineral Security Challenges in Meeting the Goal of
Net-Zero Carbon Emissions by 2050

APRIL 18

Thandazile Moyo

*Assistant Professor of Energy and Mineral Engineering
John and Willie Leone Family Department of Energy and
Mineral Engineering*
Integrating Sustainability in Minerals and Energy
Resource Extraction Education

MAY 9

Joshua Robinson

*Associate Dean for Graduate Education and Research
(Acting)*
Silicon Carbide: The Critical Semiconductor for the
Energy Transition

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