

Appalachian Energy Summit

APPALACHIAN STATE UNIVERSITY

The University of North Carolina Energy Leadership Challenge

Solutions-Oriented Breakouts

Friday, July 19, 11:00 am – 12:30 pm

*Solutions discussions led by University and industry “Faculty”
All participants self-select*

1. Designing and Constructing a Net-Zero Energy Building

How can you incorporate Net Zero Building technology concepts and technologies in your next renovation or new construction project?

Room # 417 : Beacon Heights : Plemmons Student Union

Faculty / Discussion Leaders

Affiliation

Robert Powell

Assistant Professor, Energy and Building

NC A&T

Jeffrey Tiller

Department Chairperson, Technology and Environmental Design

Appalachian State University

Scribe : Michelle Novacek

Appalachian State University

2. Understanding Renewable Energy System Partnering and Finance

Highlight examples of financing mechanisms for renewable energy projects that are relevant to North Carolina that can apply to higher education and business.

Room # 201-A : Price Lake : Plemmons Student Union

Faculty / Discussion Leaders

Affiliation

David Tucker

Project Director, Environmental Finance Center

UNC Chapel Hill

Cindy Register

Assistant Director

State Construction Office

Vanessa King

Renewable Energy Manager

Biltmore Estate

Scribe : Walter Putnam

Shift Equity

3. Creating and Managing an Energy Savings Performance Contract

Provide examples of Performance Contracts done to date, discussing successes and opportunities. How might performance contracting evolve to best meet our individual and collective needs?

Room # 201-B : Table Rock : Plemmons Student Union

Faculty / Discussion Leaders

Mike O'Connor
Physical Plant Director

Jorge Quintal
Associate Vice Chancellor of Facilities

Scribe : Chris North

Affiliation

Appalachian State University

UNC Greensboro

Appalachian State University

4. Legislative Consensus Building for Creating Effective Energy Related Policy

Provide a North Carolina energy policy update, highlight policies that might be most relevant to higher education, discuss how state and UNC-system-level policies are developed, and how our campuses might work together in this expanding effort.

Room # 415 : Rough Ridge : Plemmons Student Union

Faculty / Discussion Leaders

Michael Youth
Counsel and Policy Director

Terrance Feravich
Associate Vice President for Finance

Susan McCracken
Director of External Affairs and Community Relations

Scribe : Linda Toth

Affiliation

NC Sustainable Energy Assn.

UNC General Administration

Appalachian State University

Appalachian State University

5. Utilizing Energy Performance Data in Campus Communications and Building Automation

How can building and energy performance data aid in communicating successes and needs to our various campus constituents? How can this same data be used to automate building functions?

Room # 137-C : Attic Window : Plemmons Student Union

Faculty / Discussion Leaders

Jerry Marshall
Physical Plant Engineer, Energy Manager

Len Hoey
Engineering Manager

Scribe : Abe McKay

Affiliation

Appalachian State University

NC State Energy Office

Appalachian State

6. Integrating Energy and Sustainability into the Academy Experience

How might the activities and the success of the Appalachian Energy Summit be integrated with learning outcomes across our campuses?

Room # 226 : Linville Falls : Plemmons Student Union

Faculty / Discussion Leader

Mary-Ann Ibeziako
Sustainability Director

Affiliation

NC A&T

Aaron Allen
Academic Sustainability Coordinator
Associate Professor of Music

UNC Greensboro

Scribe : Janice Pope

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7. Smart Grid and Your Campus

What is Smart Grid and how will it impact my campus in the future? Learn about best practices and evolving technologies.

Room # 137-B : Macrae Peak : Plemmons Student Union

Faculty / Discussion Leaders

Liz Bowen
Green Development Coordinator

Affiliation

NC State University

Rogelio Sullivan
Managing Director-FREEDM Systems Center

NC State University

Scribe : Alex Johnson

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8. Developing Efficient and Sustainable Transportation Infrastructure, Policies, and Processes

Campus transportation, transit and parking experts will discuss opportunities for improving energy efficiency and environmental aspects of their operations, identifying the most relevant metrics to track impacts and success, while seeking opportunities to share resources and ideas across the state.

Room # 137-A : Calloway Peak : Plemmons Student Union

Faculty / Discussion Leaders

Suzanne Williams
Associate Director of Campus Access

Affiliation

UNC Greensboro

Amanda Simmons
Transportation Demand Manager

UNC Chapel Hill

Scribe : Jennifer Maxwell

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9. Solar Decathlon Europe 2014: An Energy-Plus, Mixed-use, Campus Housing Case Study

A directed brain-storming session to address the applicability of alternative, modular housing solutions and renewable energy systems for campus housing. Based off of Appalachian's current participating in 2014 Solar Decathlon Europe. This session will feature students interacting with Faculty and Construction Professionals.

Room # 120 : Roan Mountain : Plemmons Student Union

Faculty / Discussion Leaders

Affiliation

Mark Bridges

Sustainable Design & Construction Student, Class of 2014

Appalachian State

Scott Hopkins

Sustainable Design & Construction Student, Class of 2014

Appalachian State

Susie Westrup

Sustainability Specialist

Balfour Beatty Construction

Tom Planishek

Senior Manager, Project Solutions

Balfour Beatty Construction

Robby Lowe

Director, Strategic Business Development

Balfour Beatty Construction

Jamie Russell

Associate Professor, Building Science

Appalachian State

Jason Miller

Assistant Professor, Building Science

Appalachian State

Scribe : Bryce Oakley

Affiliation