



Rocky Mountain Sustainability Summit

Forging Solutions at Colleges and Universities

February 11-13, 2009 • University of Colorado at Boulder

Detailed Program

*All events take place in the University Memorial Center, unless otherwise noted.
This program is subject to change. Updated as of 2/5/09.
More Info: <http://ecenter.colorado.edu/rmss2009>*

Wednesday, February 11

7:00-8:30pm
Ballroom

Opening Keynote

“Panic in Level 4: Apocalypse and Transformation” by author Richard Preston

Richard Preston's critically and commercially acclaimed books have cemented his status as a first-rate investigative journalist and gifted storyteller, as well as put him in the forefront of the emerging diseases and biotechnology arenas. He first took the world by storm with "The Hot Zone," the international best-seller that introduced the world to the threat of Ebola and other viruses. This evening is a rare opportunity to journey into the relatively hidden depths of biological science where the truth can be far more startling than fiction. Whether delivering a grim account of what biological terrorism is capable of, sharing the inside story of how scientists are finding ways of protecting civilian populations, or revealing the dangerous and hauntingly beautiful lost world above the canopy, Preston shows audiences the world in a slightly different light than ever seen before. Panic in Level 4 is a grand tour through the eerie and unforgettable universe of Richard Preston, filled with incredible characters and mysteries that refuse to leave one's mind. Richard Preston portrays the frightening forces and haunting discoveries that are roiling and reordering our world, once again proving himself a master of nonfiction narrative.

Richard Preston's visit to CU-Boulder is The Christy Lecture of the Center for Humanities and the Arts' theme, "Apocalypse and Transformation". CU's Communication Department is also co-sponsoring the event. Free and open to the public. For more information on Richard Preston, visit: <http://www.richardpreston.net>

Thursday, February 12

8:30-9:00am
Ballroom

Registration, Refreshments

9:00-10:30am
Ballroom

Welcome and Opening Plenary

Welcoming Remarks by Dave Newport, Chancellor G.P. Peterson, Ryan Biehle, and Alice Madden
Opening Plenary Panel: “Leadership and Strategies for Climate Action”

Featuring:

- Bill Becker, former Executive Director of Presidential Climate Action Project
- Angie Fyfe, Greening Government Program Manager of Colorado Governor's Energy Office
- Tom Gonzales, President of National Wildlife Federation
- Frank Bruno, Vice Chancellor for Administration of University of Colorado at Boulder as moderator

10:40-12:00pm **Set A: Concurrent Sessions and Workshops**

UMC 285-287 **Conducting a GHG Emissions Inventory**

Learn best practices, methods and pitfalls for conducting an inventory of greenhouse gas emissions for a campus. Carol Dollard of Colorado State University, Rob Hall of University of Colorado at Boulder, and Andy Pattison of University of Colorado at Denver will share their campus inventories and processes.

UMC 415-417 **Approaches to Applied Learning**

This session will explore how sustainability is both actively integrated into curriculum and creating results on campus. Presentations include:

- Baker 1600: Creating a Sustainable Future: lessons learned from the first run of course by Dr. Lisa Barlow of CU-Boulder
- By Bus and By Foot: An Interdisciplinary Experience of Sustainability in the Community by Catherine Kleier and Mary Beth Callie of Regis University
- The Living Demonstration: The University of Montana Forum for Living with Appropriate Technology by Derek Kanwischer of University of Montana
- Creating and Implementing Cross-college Education and Research in Sustainable Urban Infrastructure by Luann Rudolph of University of Colorado at Denver

UMC 247 **Four Easy Steps to Green Purchasing**

This session will outline the steps needed for a bottoms-up approach to green purchasing. Jeff Darling, Sustainability Officer at CU Procurement Service Center will share how to ensure success without the mandates of campus officials; how to put the motivational aspects of the students to maximum use; how to place the burden of compliance at the vendor level to ensure a successful partnership; and how to develop healthy strategic alliances.

UMC 382-386 **Transition: The Most Inspiring Movement in the World**

Now arriving in the U.S., Transition empowers communities to squarely face the local impacts of global crises, and to unleash the collective genius of their own people to find the answers to this momentous question: For all those aspects of life that this community needs to sustain itself and thrive, how are we going to drastically reduce carbon emissions (in response to climate change), significantly rebuild resilience (in response to peak oil), and greatly strengthen our local economy (in response to economic instability)? Presented by: Michael Brownlee, Transition Boulder County; Don Hall, Transition Naropa University; and Lilly Justman, CU Going Local.

UMC 245 **Transportation: Bus Pass Program**

This roundtable will discuss current College Pass Programs– successes and challenges –within the RTD service area, what strategies can be applied to schools outside of the RTD service area, both in starting university programs and in working with transit agencies.

12:00-1:20pm **Lunch**

Ballroom

Networking and Caucus Format: Discussion topics are assigned to tables of 8-10 seats.

Tables are labeled with the following topics. Some are self-facilitated; some have a discussion leader.

- Labor Justice
- AASHE Taskforce on Social Justice
- Marketing and Messaging
- E-Waste
- Recycling Outreach Strategies
- CO Campus Recycling Network
- Composting
- Transition Initiative
- Renters' Energy Rights
- Scope 3 Transportation Emissions
- Car-Free Campus
- GHG Inventory
- GHG Inventory Pitfalls
- Reaching Beyond the Choir on Climate Change
- Greening IT
- Off Campus Outreach
- Sustainability across the Curriculum
- Green Purchasing

- Faculty and Staff Outreach

- Residence Halls Outreach

1:30-2:50pm **Set B: Concurrent Sessions and Workshops**

UMC 247 **Sustainable Endowments: Investing With a Climate Change Lens During Challenging Times**
An interactive workshop exploring successful strategies for leveraging university endowment investments to tackle climate change both on-campus and off-campus. Topics covered will include shareholder engagement, investing in renewable energy funds and using your university's endowment to establish multi-million dollar campus revolving loan funds. Presented by Mark Orłowski, Executive Director of Sustainable Endowments Institute.

UMC 382-386 **Approaches to Initiating, Implementing and Institutionalizing Sustainability**
This session will share experiences of campuses in different phases of making sustainability happen with different approaches. Presentations include:

- Sustainability at the University of Denver: Adaptation, Implementation, and Promising Practices by Dr. Lyndsay J. Agans of University of Denver
- Vision, Leadership and Green Operations at Georgia Tech by Marcia Kinstler of Georgia Tech
- Colorado College Sustainability Plan by Howard Drossman of Colorado College

UMC 415-417 **Combined Heat and Power: Campus Energy Efficiency and the Western Climate Initiative**
Many institutional energy users have made substantial investments in greenhouse gas emissions reductions. The Western Climate Initiative (WCI) is developing a greenhouse gas emissions program with significant potential implications for institutional compliance strategies through a market based Cap-and-Trade approach. Compliance strategies integrating Combined Heat and Power (CHP), including cogeneration systems, could be significantly impacted under the proposed structure of the WCI initiatives. The potential WCI issues with CHP systems will be demonstrated. Presented by Mary Vosevich and Jeff Zumwalt of University of New Mexico with John C. Tysseling, Ph.D. of Energy, Economic and Environmental Consultants (E3c, Inc.).

UMC 245 **Transportation: Bike Programs and Facilities**
This session will explore national trends in bicycle programs, differences in implementing programs at small versus large schools, private versus public schools, urban and rural schools and other factors that affect a successful bicycle program. Presenters include Jeff Morrell of Colorado State University, Peter Roper of University of Colorado at Boulder, and a representative of University of Montana (tentative).

UMC 285-287 **Greening Curriculum**
Building on faculty work conducted through curriculum sustainability projects at Northern Arizona University, Emory, and other college and universities, this session will engage participants in developing models for infusing sustainability across the higher education curriculum. Successful examples of such models will be discussed and specific course re-designs will be examined as participants consider how best to integrate sustainability into student learning on their own campuses. This workshop features the expertise of Dr. Geoffrey Chase, Dean of Undergraduate Studies, San Diego State University.

2:50-3:10pm **Refreshments Break**
Ballroom Lobby

3:10-4:30pm **Set C: Concurrent Sessions and Workshops**

UMC 415-417 **Approaches to Energy and Climate: Energy Efficiency and Conservation**
This session will share results, successes and lessons-learned from the University of Colorado at Boulder's conservation program. Pieter van der Mersch will present on the results and processes of retro-commissioning of HVAC systems in a large multi-building campus. Rob Hall and Moe Tabrizi will present on variety of proven conservation approaches including competitions, educational materials, and retrofits. Moe Tabrizi will also review cases of LEED building projects' energy cost savings.

- UMC 382-386 **Student-Driven Sustainability Approaches**
Learn about the different approaches that students are taking to achieve sustainability on their campuses. Presentations include:
- Connecting the Gaps: Implementing Sustainability Efforts Across a Diverse Campus Culture by Jessie Davie, University of Montana
 - The Cougar Green Fund: Integrating Student-Funded Initiatives at a University by Christopher Pell of Washington State University
 - From the Ground Up: Creating and Implementing a Student-Driven Sustainability Effort at a Small Liberal Arts College by Stacy Blaylock and Jenn Niedfeldt of Westminster College Environmental Center
 - Growing Sustainability: Campus Commitments From the Bottom Up by Loren Ahonen of Western State College of Colorado

UMC 247 **Sustainability Metrics: STARS**
Explore the development of the Sustainability Tracking, Assessment, and Rating System (STARS). AASHE is leading a collaborative effort to develop a formal classification system for campus sustainability, with guidelines by which institutions may measure themselves and qualify for different levels of recognition of accomplishment. The project responds to the need expressed by many stakeholders for a standard campus sustainability rating system that compares higher education institutions on progress toward sustainability. Presented by Laura Matson of the Association for Advancement of Sustainability in Higher Education (AASHE) with welcome contributions from STARS pilot participants.

UMC 245 **Best Practices for Zero Waste Events**
Zero Waste Event practices have developed over the past few decades to become a standard in event planning on the CU campus. From basic event recycling to composting to zero waste event planning, this session will cover the steps CU Recycling has taken to get to Zero Waste at Folsom Field, a 54,000 seat venue. Join Dan Baril and Ed von Bleichert and learn how CU Boulder worked with their stadium concessionaire to redesign their disposable packaging, recovered close to 40 tons of recyclables and compostables from six home games, and increased gameday recycling by 200% overall.

UMC 425 **Sustainability on the Ground: Whole System Campus Planning**
Current campus sustainability efforts often tend to focus upon enhanced energy efficiency; however, implementing institutional sustainability initiatives and attempting to reduce greenhouse gas emissions requires a broader multi-faceted approach. Whole system campus planning defines a vision supported by principles that lead to a community with improved integration of transportation, landscape, infrastructure, construction and operation, and academic programs. Overlaying information on landscape context, natural drainage features, vegetation, stormwater features, and human use patterns creates the foundation for identifying opportunities to incorporate social, economic and ecological sustainability measures into the design, construction, operations and programming of a community. Presented by Ted Brown and Claudia Browne of Biohabitats.

4:30-6:00pm **Rocky Mountain Mixer**
East Ballroom with poster exhibit and refreshments

6:00-7:30pm **Evening Keynote**
Ballroom **“The New Color of Green: A Collective Voice Towards Change”**
by Environmental Justice Champion and President of the Apollo Alliance **Jerome Ringo**
Historically, those who prioritize environmental issues are perceived to be upper class, white, and college educated who think globally and act locally. At the same time, however, there is a history of diverse people acting locally on problems that directly impact their families, friends, and communities. Integrating these voices into the mainstream has long been a goal of the environmental movement, but it has remained illusive. In the wake of Hurricanes Katrina and Rita, local issues have become global, and environmental speaker Jerome Ringo demonstrates why making these voices heard has become more urgent than ever.

At a time when our nation faces challenges on multiple fronts, investing in the green economy has emerged as a single solution to multiple problems. There is opportunity in every facet of our

economy, whether it be green building, manufacturing wind turbines, implementing energy efficient technologies, or inventing the fuels of the future. Mr. Ringo shows how American industry can be at the forefront of transforming our economy to transform the world. A project on the scale of what it took to put a man on the moon is what we need to transform our economy. Mr. Ringo shows how taking on this challenge can make our nation energy independent, address global warming, and create millions of new jobs.

Vice Chancellor for Student Affairs Julie Wong will introduce Mr. Ringo.

7:30-9:00pm **Peer Group Networking Dinners**
Various
Around town, reservations pre-arranged for groups, sign up at registration by 5:30pm.
Participants are responsible for food and drink purchases.

Friday, February 13

8:00-8:50am **Optional Morning Discussion: Greening Athletics**
UMC 245
with CU-Boulder Athletic Director Mike Bohn. Limited capacity.

8:30-9:00am **Refreshments, Registration**
Ballroom

9:00-11:00am **Set D: Concurrent Sessions and Workshops**

UMC 245 **Zero Waste Campus: How Low Can You Go?**
A renewed emphasis on waste prevention is signaling an exciting shift among a growing number of college campuses, off-campus communities, and leading corporations internationally. Integrating “zero waste” with campus sustainability is the goal of this interactive workshop. Presented by Jack DeBell, Development Director, University of Colorado Recycling Services.

UMC 285-287 **Environmental Justice Leadership Training**
In this workshop, Charlie Chase and Lisa Bardwell of FrontRange Earth Force will examine different facilitative leadership training models that have proven effective in developing leadership capacity with communities, schools and programs in environmental justice areas. We will examine some of the issues associated with bringing programs to EJ communities. We will conduct work sessions to review participant’s projects and explore ways to increase the development and support of leadership within these communities.

UMC 382-386 **Climate Action Planning**
This workshop will review how campuses can develop and implement climate action plans (CAP). Lisa Madry of National Wildlife Federation will conduct participatory and practical exercises to demystify the process and clarify planning steps. Julian Dautremont-Smith of the Association for Advancement of Sustainability in Higher Education (AASHE) will review how to develop a campus CAP consistent with the American College and University President’s Climate Commitment (ACUPCC). As an example plan, Lisa Bingham of CU-Boulder will review the draft Conceptual Plan for Climate Neutrality at the University of Colorado at Boulder.

UMC 415-417 **Food and Farming**
This session will explore how campuses are advancing solutions for sustainable food on various levels of the food cycle- from sowing seeds to serving plates. Presentations include:

- UW ACRES Student Farm: A Growing Organization by Arthur Kneeland of University of Wyoming
- Fair Food: The Student Farmworker Alliance by Patrick Kelsall of University of Colorado at Boulder
- One Small Seed: Harvesting Campus Sustainability Through a Farmer's Market by Angela Blanchard, Marie Martin and Alex Parvaz of University of Utah
- Campus Dining: A Learning-Living Environment for Sustainability by Katrina Shum of ARAMARK, Arizona State University

Moderated by Lauren Heising of University of Colorado at Boulder

- 10:00am-4:00pm **Green Products Expo**
West Ballroom A variety of exhibitors share sustainable products and services for institutional applications.
See Listing of Exhibitors.
- 11:00am-12pm **Open Space:** Visit Green Products Expo, Tour UCB Facilities (*for listing, see Tours section*)
- 12:00-1:30pm **Lunch Plenary**
Ballroom **“Rising to the Challenge of our Generation: The Student Climate Movement”**
featuring Praween Dayananda of National Wildlife Federation and Energy Action Coalition with CU-Boulder students Jacob Golding and Andrea Zaragoza-Ballesteros. This plenary will share inspirational stories and examples of how students are leading the way for climate action.
- 1:30-1:50pm **Break:** Visit Green Products Expo
- 1:50-3:10pm **Set E: Concurrent Sessions and Workshops**
- UMC 247 **Fostering Climate Literacy & Effective Communication**
Presenters Rob Hall, Mark McCaffrey, and Susan Buhr will share their expertise in communicating about climate change. The Essential Principles of Climate Literacy endorsed by NOAA, NASA, NSF, the US EPA, other agencies and organizations, has helped set the stage for robust efforts to tackle the information, education, training and communication challenges relating to the climate crisis. Presenters will discuss efforts to infuse climate and energy literacy and into the curricula as well as examples of effective climate campaigns on campus.
- UMC 382-386 **Green Careers Seminar**
The Green Careers Center will present a Careers Seminar which will feature a panel presentation and discussion with sustainability professionals from a variety of backgrounds. The panelists will provide their organization profile, career advice and inside tips for both students beginning their career and for advancing a sustainability career. The green careers panel includes:
- Ben Bressler, Founder and Director of Natural Habitat Adventures
 - Michael Cassio, President and CEO of e2m
 - David Johnston, Author, Green Building Expert and President of What’s Working, Inc.
 - Rebecca Meadows, Director of Sales, Entegriy Wind Systems, Inc.
 - Boyd Novak, Director, Infrastructure & Resource Management of Americas IBM Integrated Technology Delivery
- UMC 285-287 **Building Support and Organizing: Forming a Campus Climate Coalition**
Confronting the climate crisis will require ALL members of our campus communities to get engaged and take action. Learn successful strategies for mobilizing the diverse constituencies and interests on your campus to help solve global warming, win clean energy policies, and advocate for climate neutrality. What constitutes a successful climate campaign? How does a coalition set attainable goals? How can you impact local and state policies that impact global warming? How do you sustain your efforts? This workshop is presented by Praween Dayananda and Lisa Madry of National Wildlife Federation.
- UMC 415-417 **Community Impact: Off-Campus Sustainability Initiatives**
This session focuses on how campus initiatives are making connections with the community and collaborating with the needs of community. Presentations include:
- Student Energy Auditors: Carbon Reduction for Social Benefit and Impact on Low-income Housing by Julie Hayes of CU-Boulder and Amy Hollander of Longs Peak Energy Conservation.
 - Colorado College Home Energy Audits and Retrofits by Sally Meyer, Mark Morgenstern and Amanda Wierzba of Colorado College
 - Integrating Sustainability into Education, Research, Outreach, and Campus Activities by Thomas Piechota of University of Nevada- Las Vegas Urban Sustainability Initiative
- 3:10-3:30pm **Break:** Refreshments, Visit Green Products Expo

3:30-4:40pm **Set F: Concurrent Sessions and Workshops**

UMC 247 **Approaches to Energy and Climate: Renewables and Offsets**

This session will focus on renewable energy projects (implementation strategies, funding, challenges, success stories) and carbon offsets (what makes a high quality carbon offset, and what is the role of offsets in carbon mitigation). Presenters include: Carol Dollard of Colorado State University, Susan Innis of Colorado Governor's Energy Office Colorado Carbon Fund, and Traci Morin of Colorado Solar Energy Industries Association.

UMC 415-417 **Personal Sustainability: How to Avoid Burn Out**

Are we modeling sustainability and balance in our own lives that we find in the natural world? Can a person work toward societal transformation without including personal transformation? This workshop will explore ways that we can strengthen our resources, stay inspired, and enhance our effectiveness as communicators and agents of change. By engaging in exercises and dialogue, we can gain skills and practice of "*being* out of the box", not just thinking out of the box. Facilitated by Sherry Ellms of Naropa University Environmental Studies Department.

UMC 425 **Sustainability Staffers Roundtable**

This session will be a dialogue among staffers of campus sustainability programs. Staffers will share ideas along the lines of what works, what does not work, what is up and coming, where is there opportunity to collaborate and much more. Open to all to attend. Sustainability staff and officers are particularly encouraged to come prepared to share stories and ideas. This session is in memory of Dr. Craig Forster, Director of the University of Utah Office of Sustainability who passed away in November while doing what he loved -- hiking in the canyons of Zion National Park with his family and friends.

UMC 285-287 **Environmental Justice Roundtable: Actions and Strategies**

A key theme of the Summit is the integration of social sustainability and equity into sustainability practices. This capstone session will allow participants to focus on developing relevant solutions and identifying actions to take to implement environmental justice in their community. Co-facilitated by Kendra Sandoval of Alliance for Sustainable Colorado and Scott Silber of University of Colorado Environmental Center.

4:40-5:30pm **Closing Dialogue and Happy Hour**

UMC 235 Featuring closing remarks by Jayni Chase, Founder of The Center for Environmental Education and Judy Walton, Acting Executive Director of the Association for Advancement of Sustainability in Higher Education (AASHE).