

# AASHE 2006

A Conference of the Association for the Advancement of Sustainability in Higher Education

## The Role of Higher Education in Creating a Sustainable World





ARIZONA STATE UNIVERSITY

Welcome to Arizona State University and the Association for the Advancement of Sustainability in Higher Education's inaugural conference, AASHE 2006: The Role of Higher Education in Creating a Sustainable World. We are honored to have been selected to host this extraordinary event.



As ASU moves forward in implementing its University-Wide Sustainability Initiative and building the Global Institute of Sustainability, we are placing an emphasis on vigorously engaging the intellectual energies of our entire university. ASU is building an environment where we can be organized as a university around the central theme of sustainability. In September, we gathered to assess our progress in this task. A number of efforts throughout research, teaching and operations indicated that momentum is building. However, I would argue that the challenges we are facing continue to move faster than the university-wide efforts of ASU or the collective efforts of our global community are confronting them.

Like ASU, AASHE recognizes the need to pursue an integrative approach to sustainability. This inaugural event marks the expansion of efforts to coordinate around issues of sustainability in higher education at a national level and the beginning of a new trajectory for ASU. AASHE's embrace of NGOs, government agencies, and businesses as critical partners in the effort to advance sustainability reflects the type of collaborative approach that ASU is committed to.

AASHE 2006 will provide all of the attendees a chance to conduct an intellectual exchange that could catalyze a new approach to the issue of sustainability. We hope that you enjoy your time at our campus and the conference. Even more importantly, we hope that you arrive with the sense of urgency our current situation demands and leave stimulated to achieve the cultural transformation necessary for higher education to lead the way in achieving a sustainable society.

Michael M. Crow  
President  
Arizona State University

Welcome!

We are pleased to welcome you to ASU's campus for the inaugural North American conference of the Association for the Advancement of Sustainability in Higher Education (AASHE).

AASHE 2006 offers an exciting and unique opportunity for every sector of higher education to come together to demonstrate how colleges and universities can lead the way to a sustainable future. Whether you are a student or administrator, faculty or staff, community or business member, your participation in this inspiring event is appreciated. While at ASU, please take time to visit the Global Institute for Sustainability, the Decision Theater, The Biodesign Institute, the Interdisciplinary Science and Technology Building, and many of the other wonderful and innovative units dedicated to sustainability.

James Buizer  
Conference Co-Chair  
Arizona State University



Anthony Cortese  
Conference Co-Chair  
Second Nature, Inc





The Association for the Advancement of Sustainability in Higher Education thanks you for attending its inaugural conference. We are thrilled to see the sustainability movement in higher education growing in leaps and bounds, as there is much urgent and important work to be done. Over 650 people have registered for AASHE 2006, in addition to more than 100 exhibitors and volunteers, making this the largest campus sustainability gathering in North America to date.



The conference showcases the depth and range of sustainability initiatives at colleges and universities in North America. Every sector of higher education is represented, from students to upper level administrators to professional association staff, as well as businesses, NGOs and government agencies interested in sustainability in higher education.

I encourage you to attend sessions outside your usual range of interest. With over 230 different presentations, from papers and field reports to panels, roundtables, workshops and posters, the choices are many. Special thanks to the review committee, which worked to select presentations that reach beyond “sustainability 101.”

I hope this conference inspires, reinvigorates, instructs, and supports your work on campus, and that you connect with colleagues and make many new friends. Thank you for your part in working to create a sustainable world, and enjoy the meeting!

Judy Walton  
Executive Director, AASHE



Welcome to AASHE 2006. We are excited to have you here and hope you enjoy the conference. The Local Logistics Committee consists of a multi-partnership from Facilities Management, University Business Services, Global Institute of Sustainability, and the Office of Sustainability Initiatives. This group has given a Yeoman’s effort working very hard to make this event a success; it would not have been possible without them and the extensive support from their departments. Sustainable practices have been demonstrated in the planning and execution of the conference, but one of the best outcomes has been in the longer terms impact for the ASU. As a result of this conference we are expanding our already extensive sustainability practices on campus, developing new ideas ranging from the materials used in our buildings, to the products and practices in our daily operations and food services. This component is a critical piece to the University-wide Sustainability Initiative at ASU. Thank you for this opportunity.



Have fun and enjoy your visit to ASU.

Bonny Bentzin  
Assistant Director, Sustainability Initiatives, Office of the President  
Arizona State University  
Chair, Local Arrangements Committee  
AASHE 2006

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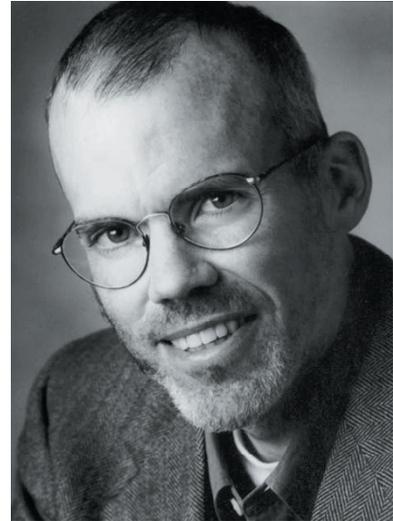
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## Keynote Speakers

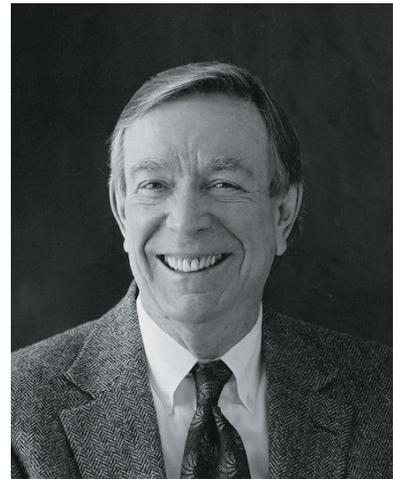
### Bill McKibben

McKibben is a visiting scholar in environmental studies at Middlebury College, and the author of *The End of Nature*, (1989) which sounded one of the earliest alarms about global warming. His six other books include *Hope, Human and Wild*, *Long Distance*, and *Maybe One* which took on the most controversial of environmental problems, population. A former staff writer for *The New Yorker*, his work appears regularly in *The Atlantic*, *The New York Review of Books*, *The New York Times*, *Harpers*, *Outside*, and many other national publications. McKibben continues to question society's path and advocates for simplifying our everyday lives and recovering the things that really matter. Prior to his arrival at Middlebury, he was a fellow at the Harvard University Center for the Study of Values in Public Life. He is the recipient of Guggenheim and Lyndhurst fellowships, and the winner of the 2000 Lannan Prize in Nonfiction Writing. McKibben holds honorary doctorates from several institutions and received a Bicentennial medal from Middlebury College in 2000. He lives with his wife and daughter in the Adirondack Mountains of New York.



### Ray Anderson

Anderson is chairman of Interface, Inc., the world's largest producer of commercial floor coverings, whose modular carpet tiles helped revolutionize the modern office. He founded the company in Atlanta in 1973 and has turned Interface into an environmentally friendly enterprise, reducing its environmental footprint by one-third. His book *Mid-Course Correction: Toward a Sustainable Enterprise: The Interface Model*, helped prove to other businesses that they could protect the environment while increasing profits. Today, Anderson is recognized as one of the world's most environmentally progressive chief executives, having served as co-chair of the President's Council on Sustainable Development during the Clinton administration and having been recognized by Mikhail Gorbachev with a Millennium Award from Global Green in 1996. His honors also include the prestigious Mitchell International Prize for Sustainable Development (2001); SAM-SPG Sustainability Leadership Award (2001); U.S. Green Building Council's Inaugural Leadership Award (2002); and National Wildlife Federation's Conservation Achievement Award for Corporate Leadership (2002). He was recently named a Senior Fellow and Leading Voice for Green and Sustainable Design by the Design Futures Council. An honors graduate of Georgia Institute of Technology, he holds honorary doctorates from Northland College, LaGrange College, and N.C. State University.



## Keynote Speakers

### Beverly Wright

Wright is a sociologist and leading scholar on environmental and economic justice and public policy. She is the founder and director of the Deep South Center for Environmental Justice, one of the few community/university partnerships that address environmental and health inequities in the Lower Mississippi River Industrial Corridor, commonly referred to as “cancer alley.” Wright has conducted groundbreaking research in the area of environmental justice and has developed an environmental-justice curriculum for use at the elementary-school level. She has directed numerous grassroots, community-initiated health surveys, evaluated community buyouts, and supervised community development initiatives around contaminated sites. She has served on the National Environmental Justice Advisory Council, chaired the Second National People of Color Leadership Summit, and co-chairs the Environmental Justice Climate Change Initiative.



### Hunter Lovins

Lovins is president of Natural Capitalism, Inc. ([www.natcapinc.com](http://www.natcapinc.com)). She holds a JD and several honorary doctorates, and has taught at numerous universities including Dartmouth College and the Universities of California and Colorado. Currently a professor of business at Presidio World College, Lovins has founded and grown several businesses and co-founded the Rocky Mountain Institute, where she served for 20 years as CEO. She has lectured extensively in over 15 countries, including at the World Economic Forum at Davos, The International Symposium on Sustainable Development in Shanghai, and the World Summit on Sustainable Development. She has consulted for industries and governments worldwide, as well as such multinational companies. She has also worked with community groups, local economic-development agencies and municipal governments. Lovins shared a 1982 Mitchell Prize, a 1983 Right Livelihood Award (often called the “alternative Nobel Prize”), the 1993 Nissan Prize, and the 1999 Lindbergh Award. In 2000 she was named *Time Magazine* Hero of the Planet. She has co-authored nine books, including *Natural Capitalism* (1999), and hundreds of papers, including briefings for Presidents Clinton and Bush and British Prime Minister Tony Blair. She is currently working in Afghanistan on a variety of projects, including the Afghan Cluster Competitiveness Project.



**NEW!**

Society for College and University Planning  
**Sustainability and Planning:  
An Integrated Approach to Academics,  
Resource Planning, and Facilities**

**October 14 Workshop**  
At the InterContinental Kansas City at the Plaza

The need for increasing sustainability has never been greater. Colleges and universities can lead the way, but it's not always clear how best to do that. Join colleagues and top experts to learn how you can help empower your campus to successfully integrate sustainable practices.

What you will gain:

- An enhanced understanding of how to bridge the gaps across existing initiatives.
- Best practices for bringing integrated planning to campus sustainability efforts.
- Techniques for engaging others in sustainability.

**[www.scup.org/calendar/](http://www.scup.org/calendar/)**

**Campus  
Sustainability Day**

**Where Is Your Campus  
on the Continuum of  
Integrated Sustainability Planning?**

**October 25 Webcast**

This no-travel webcast will share comprehensive case studies about how the following campuses are integrating sustainability in operations, policy, resource planning, and curriculum:

- **Arizona State University**
- **Harvard University**
- **Grand Valley State University**
- **Pima Community College**

Many campuses make the most of this event by inviting people from all departments, and disciplines, even from across the campus edge, to share in poster sessions, demonstrations, and pre- or post-webcast panels. They make Campus Sustainability Day a major celebration on their campuses. Purchase one license to share the webcast in your auditorium.

**[www.scup.org/csd/4/](http://www.scup.org/csd/4/)**

We thank our sponsors— Baltix Sustainable Furniture, Gilbane Higher Education, and Itron. Special thanks to University Business for promotional assistance. Sponsorships are available, contact Betty Cobb at [betty.cobb@scup.org](mailto:betty.cobb@scup.org).



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Join SCUP today! Visit [www.scup.org/membership/](http://www.scup.org/membership/).

# Conference Overview

## Wednesday, October 4

MU = Memorial Union

12:00 – 4:00	Optional Tours & Events – see pg. 7	
3:00 – 6:00	Poster Set-Up; Expo Set-Up	Lawns & Mall
3:30 – 5:00	Registration	Nelson Fine Arts Center (ASU Art Museum)
4:45 – 6:00	Opening Reception (Sponsored by GIOS) <i>Jim Buizer</i> – Special Advisor to the President, ASU <i>Chuck Redman</i> – Director, Global Institute of Sustainability, ASU	Nelson Fine Arts Center
6:30 – 7:00	Welcoming Remarks <i>Jonathan Fink</i> – VP for Research & Economic Affairs, ASU <i>Judy Walton</i> – Executive Director, AASHE	MU AZ Ballroom/Ventana
7:00 – 8:00	Keynote: “Global Warming as the Ultimate Teachable Moment” <i>Bill McKibben</i> – Author, Journalist, Lecturer	MU AZ Ballroom/Ventana
8:00 on	Night on the Town	

## Thursday, October 5

6:30 – 7:30	“A” Mountain Hike (optional)	Mill Ave & 3 <sup>rd</sup> St.
7:30 – 6:00	Registration	MU 2 <sup>nd</sup> Floor
7:30 – 8:30	Continental Breakfast	MU AZ Ballroom/Ventana
8:30 – 9:00	Conference Opening Remarks <i>Jim Buizer</i> – Conference Co-Chair <i>Julie Wrigley</i> – Co-Chair, Global Institute of Sustainability Board	MU AZ Ballroom/Ventana
9:00 – 10:00	Keynote: “New Thinking – A Better Way!” <i>Ray Anderson</i> - Interface Flooring	MU AZ Ballroom/Ventana
9:30 – 4:00	Expo, Posters	Lawns & Mall
10:00 – 10:15	Break	MU AZ Ballroom/Ventana
10:15– 11:45	Concurrent Sessions A	MU 2 <sup>nd</sup> Floor
11:45– 1:00	Lunch & Expo (Lunch will be available at the Expo and in the Memorial Union)	Lawn
1:00 – 2:30	Concurrent Sessions B	MU 2 <sup>nd</sup> Floor
2:30 – 3:30	Poster Session	Lawn
3:30 – 5:00	Concurrent Sessions C	MU 2 <sup>nd</sup> Floor
5:00 – 6:00	Reception (Sponsored by HDR Architects) <i>Wellington Reiter</i> – Dean, College of Design, ASU	MU 201 Maricopa Café
6:00 – 7:00	Dinner (Hosted by Sodexo Campus Services)	MU AZ Ballroom/Ventana
7:00 – 8:15	AASHE Awards & Recognition (Sponsored by Office Depot) <i>Julian Dautremont-Smith</i> – Associate Director, AASHE <i>Sheri Tonn</i> – Chair, Board of Directors, AASHE <i>Anthony Cortese</i> – President, Second Nature	MU AZ Ballroom/Ventana

# Conference Overview

## Thursday, Continued

- 8:15 – 9:15 Keynote: “A Winning Partnership: A Community’s Response to Government in Action After Katrina” (Sponsored by Canon) MU AZ Ballroom/Ventana  
*Beverly Wright* – Director, Deep South Center for Environmental Justice

## Friday, October 6

- 6:45 – 7:45 Yoga (optional) Student Recreation Center
- 7:30 – 3:00 Registration MU 2<sup>nd</sup> Floor
- 7:30 – 8:30 Continental Breakfast MU AZ Ballroom/Ventana
- 8:30 – 10:00 Concurrent Sessions D MU 2<sup>nd</sup> Floor
- 9:30 – 3:00 Expo, Posters Student Services Lawn
- 10:00– 10:15 Break MU AZ Ballroom/Ventana
- 10:15– 11:45 Plenary 1: “Higher Education and Global Warming” (Sponsored by Powersmiths International Corp) MU AZ Ballroom/Ventana  
*Introduction: Anthony Cortese* – Second Nature  
*Julian Keniry (moderator)* – National Wildlife Federation  
*Eban Goodstein* – Lewis & Clark College  
*Billy Parish* – Energy Action Coalition  
*Brandon Armstrong* – Tennessee Alumni and Students for Sustainable Campuses
- 11:45– 12:45 Lunch Student Services Lawn  
(Lunch will be available at the Expo and in the Memorial Union)
- 12:45– 2:15 Concurrent Sessions E MU 2<sup>nd</sup> Floor
- 2:15 – 2:30 Break MU AZ Ballroom
- 2:30 – 4:00 Plenary 2A: “Rebuilding as We Sail: Creating New Norms for Sustainability” MU AZ Ballroom/Ventana  
*Introduction: Brenda Shears* – Arizona State University  
*Yolanda Moses (moderator)* – University of California, Riverside  
*Debra Rowe* – US Partnership for Education for Sustainable Development  
*Jean MacGregor* – The Evergreen State College  
*Jim Farrell* – St. Olaf College
- Plenary 2B: “Feeding Institutional Transformation Through Local Food Systems” (Sponsored by Aramark) MU218 Pima  
*Introduction: Kathy Jacobs* – Arizona Water Institute  
*Ginny Peckinpugh (moderator)* – Oregon Campus Compact  
*Tom Kelly* – University of New Hampshire  
*Tim Galarneau* – University of California, Santa Cruz  
*Celine Fitzmaurice* – Portland State University

# Conference Overview

## Friday, Continued

4:00 – 5:30	Concurrent Sessions F	MU 2 <sup>nd</sup> Floor
5:30 – 6:00	Break	MU AZ Ballroom/Ventana
6:00 – 7:00	Keynote: “Natural Capitalism, Path to Sustainability, Education ... And a Lot Else” <i>Hunter Lovins</i> - Natural Capitalism Solutions, Inc.	MU AZ Ballroom/Ventana
7:00 – 7:15	Conference Closing Session <i>Jim Buizer</i> - Special Advisor to the President, ASU <i>Anthony Cortese</i> - Second Nature	
7:15 - 9:00	Student Convergence	TBA

## Saturday, October 7

8:00 – 5:00	Student Convergence	MU212, 219 and 221
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## Optional Tours & Events

### Wednesday, October 4<sup>th</sup>

12:00 – 1:00	Tour of Decision Theater (sign-up @ reg desk required)	Tempe Brickyard
1:30 – 2:30	Tour of Decision Theater	
3:00 – 4:00	Tour of Decision Theater	
2:30 – 4:00	Sneaker Tour of ASU Arboretum (sign-up required)	Old Main Fountain

### Thursday, October 5<sup>th</sup>

6:30 – 7:30	“A” Mountain Hike (optional)	Mill Ave & 3 <sup>rd</sup> St.
12:00 – 1:00	Tour of Decision Theater (sign-up @ reg desk required)	Tempe Brickyard
1:30 – 2:30	Tour of Decision Theater	
3:00 – 4:00	Tour of Decision Theater	

### Friday, October 6<sup>th</sup>

6:45 – 7:45	Yoga	Student Recreation Center
12:00 – 1:00	Tour of Decision Theater (sign-up @ reg desk required)	Tempe Brickyard

Sodexo's Corporate Responsibility journey in North America encompasses responsible practices related to social, environmental and business integrity concerns.

Within each of these three areas, Sodexo has many practices, programs and services that are dedicated to improving the quality of daily life for our clients and our customers.

**Environmental**

- Sustainability Initiatives
- Sustainable Product Offerings
- Recycle Mug Program
- Easter Seals Recycling Initiative
- Supplier Code of Conduct
- Increased Communication, Education and Awareness-building with Clients and Employees
- Newly-launched Environmental Sustainability Initiative

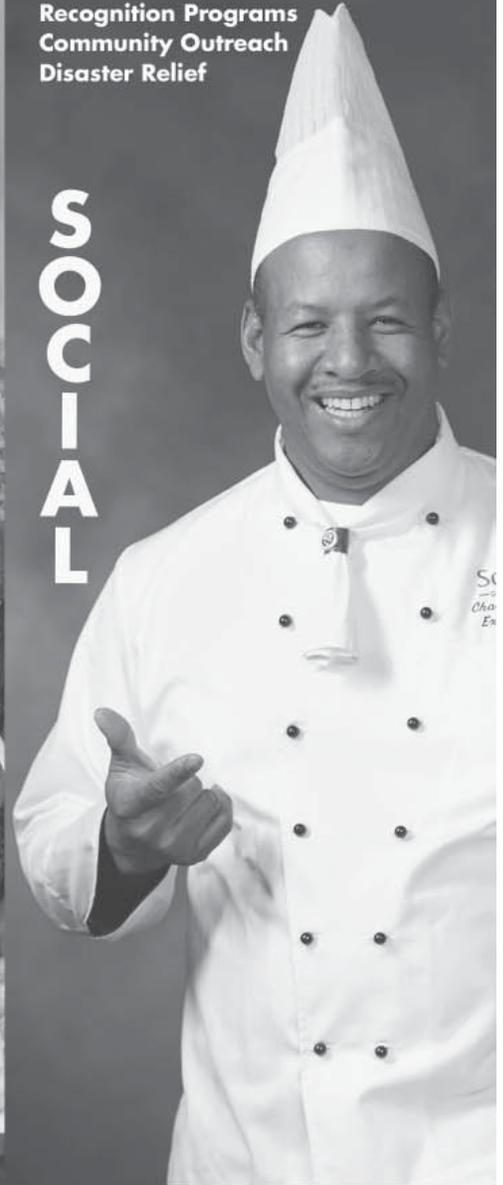
- Senior Vice President of Corporate Responsibility & Corporate Affairs
- Vice President of Compliance
- CP-101 Ethical Company Policy
- Business Conduct Guide
- Ethical Value Training
- Annual Ethical Survey
- Ethical Abuse Hotline
- Legal and Ethical Compliance Committee
- Project CLEAR (Sarbanes-Oxley Act compliant)
- Food Safety and Quality

- Stop Hunger
- Diversity and Inclusion
- Nutrition and Wellness
- Employee Health & Safety
- Growth and Development of our Employees
- Work/Life Balance
- Sodexo University
- Recognition Programs
- Community Outreach
- Disaster Relief

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**Sodexo**  
Making each day a better day

# AASHE 2006 Sessions

Thursday, October 5  
Session A (10:15-11:45)

## Papers

- A1 LEEDing the Way  
MU218-Pima**  
*Chair: Jerry Yudelson, Greenway Consulting Group, LLC*
- 10:15 Best Practices for Facilities Management:  
Using LEED EB to Improve the Bottom Line  
*Tia Heneghan, Sustainable and Green Economics*
- 10:35 How to Achieve the Best LEED Results Cost-  
Effectively: Lessons from the Front Lines  
*Mark Wilhelm, Green Ideas, Inc.*
- 10:55 U of W Merrill Hall Center for Urban Horticulture:  
Lessons Learned  
*Matthew Younger, Stantec Consulting*
- 11:15 Case Study on LEED Prototype Credits  
*Cynthia Hughes-Doyle, Davis Langdon*
- A2 The Road to Greenhouse Gas Reduction  
MU222-Mohave**  
*Chair: Robert Cole, The Evergreen State College*
- 10:15 The Role of Graduate Students in the Next  
Industrial Revolution  
*Daniel Worth, National Association of Environmental  
Law Students*
- 10:35 The Winding Road to Greenhouse Gas Reduction  
at Middlebury College  
*Jack Byrne, Middlebury College*
- 10:55 New Jersey Higher Education Presidents'  
Innovative Commitment to GHG Emissions  
Reductions  
*John Cusack, New Jersey Higher Education Partnership for  
Sustainability*
- 11:15 Measuring Evergreen's Campus Carbon Budget  
*Robert Cole, The Evergreen State College*
- A3 Marketing, Finance, and Sustainability  
MU213-Santa Cruz**  
*Chair: Kate Lancaster, Cal Poly San Luis Obispo*
- 10:15 Integrating Sustainability into the Marketing  
Curriculum  
*Claudia Bridges, California State University Sacramento  
Wendy Wilhelm, Western Washington University*
- 10:35 Sustainable Endowments: Harnessing University  
Investment Power  
*Mark Orlowski, Sustainable Endowments Institute*
- 10:55 The Role of Institutional Investment Policies in  
Creating a Sustainable World  
*Rex LaMore, Michigan State University*

- 11:15 Teaching Accounting and Financial Management to  
Support Sustainability  
*Kate Lancaster, Cal Poly San Luis Obispo & Bainbridge  
Graduate Institute*
- A4 Sustainability In and Out of the Classroom  
MU212E-Cochise E**  
*Chair: Greg Peterson, Arizona State University*
- 10:15 The Community Sustainability Partnership- Working  
Together to Build Sustainable Communities in West  
Michigan  
*Norman Christopher, Grand Valley State University*
- 10:35 Teaching Skills and Sustainability: Using a Thematic  
Approach to Addressing Sustainability in Skills-Based  
Courses  
*Heather Burns, Portland State University & University of  
Portland*
- 10:55 Do Sustainability Courses Affect Environmental  
Attitudes and Behavior? Evidence from a Liberal Arts  
College  
*Scott Steele, Berea College*
- 11:15 A University-Wide Model for Teaching Sustainable  
Cities  
*David Pijawka, Arizona State University  
Greg Peterson, Arizona State University  
Priya Madhavan, Arizona State University*

## Field Reports

- A5 Leveraging Change  
MU-208F Turquoise**  
*Chair: Carol Brodie, University of the Pacific*
- 10:15 Broadening Participation in Sustainability 1  
*Susan Swensen, Ithaca College*
- 10:25 Broadening Participation in Sustainability 2  
*Jason Hamilton, Ithaca College*
- 10:35 Rewrite: Community-Based Social Marketing at the  
University of Toronto  
*Chris Caners, University of Toronto*
- 10:45 University of Toronto Sustainability Office: Academic  
and Operational  
*Chris Caners, University of Toronto*
- 10:55 Two Bucks Each: How Student Fees Can Add Up to  
Big Changes for the Campus Sustainability Movement  
*Steve Mital, University of Oregon*
- 11:05 Student Leadership for Regional Sustainable  
Transportation  
*Daniel Roth, Cornell University*
- 11:15 Student-Centered Sustainability  
*Courtney Voss, California State University, Chico*

# AASHE 2006 Sessions

## Panels, Roundtables, Workshops (10:15-11:45)

- A6 Panel: Changing the Way We Think in Universities**  
**MU203-Gold**  
*Moderator: James Biggar, University of British Columbia*  
Changing the Way We Think in Universities  
*James Biggar, University of Victoria*  
Making the Cultural and Environmental Commons the Focus of Reforming Universities  
*Chet Bowers, University of Oregon*  
The Importance of Big Ideas or, How to Encourage Active Wisdom.  
*Marcus Ford, Northern Arizona University*  
Towards the "Planetary University"  
*Michael M'Gonigle, University of Victoria*
- A7 Panel: Campus Environmental Master Plans: Balancing Growth and the Environment**  
**MU219-Navajo**  
*Moderator: R Umashankar, HGOR, Inc.*  
*Martha Droge, Ayers/Saint/Gross*  
*James R Johnson, Emory University*  
*Cindy Pollock Shea, University of North Carolina at Chapel Hill*
- A8a Panel: Collaborative Water Harvesting at the University of Arizona (45 mins)**  
**MU215-Pinal**  
10:15 *Moderator: Emilie Brill Duisberg, University of Arizona*  
*Grant McCormick, University of Arizona*  
*Jim Riley, University of Arizona*  
*Prabjit Virdee, University of Arizona*
- A8b Panel: Green Computing on Campus (45 mins)**  
**MU215-Pinal**  
11:00 *Moderator: Maureen Cane, Silicon Valley Toxics Coalition*  
*John Katz, US Environmental Protection Agency*
- A9 Roundtable: A Cohort-Based Model for a PhD Program in Sustainability Education**  
**MU223-La Paz**  
*Organizer: Rick Medrick, Prescott College*  
*Janice Crede, Prescott College*  
*Henry Ebarb, Prescott College*  
*Linda Edwards, Prescott College*  
*Jane Nichols, Prescott College*  
*Gregory Roberts, Prescott College*  
*Terril Shorb, Prescott College*  
*Paul Sneed, Prescott College*  
*Chad Thatcher, Prescott College*

- A10a Panel: Campus as Community: Using Saul Alinsky's Organizing Principles for Sustainability (45 mins)**  
**MU208D-Havasupai**  
10:15 *Moderator: Riley Neugebauer, American University*  
*Jared Duval, Sierra Student Coalition*  
*Taylor Jackson, Arizona State University*
- A10b Roundtable: Red State Sustainability: Making Effective Arguments for Sustainability within Conservative Communities (45 mins)**  
**MU208D-Havasupai**  
11:00 *Moderator: K.D. Hatheway-Dial, University of Idaho*  
*Claudia Hemphill Pine, University of Idaho*
- A11 Workshop: Engaging Imagination: Encouraging a Culture of Sustainability on Campus**  
**MU208E-Kaibab**  
*Liz Forsberg, York University*  
*Laura Reinsborough, York University*  
*Andrew Wilson, York University*

## Thursday, October 5 Session B (1:00-2:30)

### Papers

- B1 Service Learning for Sustainability**  
**MU218-Pima**  
*Chair: Jim Farrell, St. Olaf College*  
1:00 Jumping from the Ivory Tower: Connecting Colleges and Communities to Promote Environmental Leadership  
*Rosemarie Russo, Front Range Community College*
- 1:20 Walking Our Talk: On-Campus Environmental Service Learning  
*Lisa Barlow, University of Colorado at Boulder*
- 1:40 Enabling Sustainability: Key Features of the Learning City Classroom  
*Janet Moore, Simon Fraser University*
- 2:00 Lessons Learned: Instigating Positive Change through a Community Service-Learning Project  
*Gerald Taylor, California State Polytechnic University, Pomona*
- B2 Energy Management & Green Power**  
**MU222-Mohave**  
*Chair: Andrea Putman, The Cadmus Group, Inc.*  
1:00 Developing and Implementing Energy Management Tools at Rice University  
*Richard Johnson, Rice University*

# AASHE 2006 Sessions

1:20 Designing Real-Time Displays of Energy and Material Flows to Create Smart People in Environmentally Dumb Buildings: Architecture, Pedagogy and the Ecology of Buildings  
*John Petersen, Oberlin College*

1:40 Making the Grade with Green Power  
*Anthony Amato, ERG on behalf of EPA*

2:00 Are We Being Aggressive Enough?  
Rethinking RECs  
*Davis Bookhart, Johns Hopkins University*

## **B3 Ecological Literacy MU213-Santa Cruz**

*Chair: William Throop, Green Mountain College*

1:00 Evaluation of the University of Georgia's Environmental Literacy Requirement  
*Gwyneth Moody, University of Georgia*

1:20 Eco-Literacy for the Whole Campus  
*Stephanie Kaza, University of Vermont*

1:40 Technical Issues in and Ethical Matrix: Implications for Teaching Sustainability in Early Undergraduate Education  
*Christine Mondor, Carnegie Mellon University*

2:00 Placing Sustainability at the Center of General Education  
*William Throop, Green Mountain College*

## **B4 Working in Partnerships with Communities MU212E-Cochise E**

*Chair: Gary Deason, Northern Arizona University*

1:00 The Role of the Cooperative Extension System in Social, Environmental and Economic Sustainability: A Case Study  
*Carolyn Gregov, University of Florida/IFAS Sarasota County Extension*

1:20 Imagining a Sustainable Meadville: Center for Economic and Environmental Development (CEED)'s Community Engaged Research  
*Erin Kirk, Allegheny College*

1:40 Sustainability in Berea, Kentucky: College and Community Perspectives  
*Tammy Clemons, Berea College*

2:00 Achieving Sustainability through Community Partnerships  
*Gary Deason, Northern Arizona University*

## Field Reports

### **B5 Lessons from the Field 1 MU208F-Turquoise**

*Chair: Noelle Studer, Portland Community College*

1:00 SEE Your World: Infusing Sustainability Using a Campus-Wide Theme  
*Pushpa Ramakrishna, Chandler Gilbert Community College*  
*Chris Schnick, Chandler Gilbert Community College*

1:10 Challenging the Change: Higher Education and the Sustainability Transition  
*Bob Manteau, Washington State University*

1:20 Building Critical Mass Towards a Center of Excellence for Sustainability at the University of Hawai'i at Manoa  
*John Cusick, University of Hawai'i at Manoa*

1:30 Engaging Sustainability: A Critique of Integrated Sustainability in Higher Education  
*Kevin Emerson, University of Edinburgh*

1:40 Providing Common Ground  
*Sarah Mallory, LaGrange College*

1:50 The Greening of ISU: Promoting the Culture of Sustainability at an Institution of Higher Learning  
*Jeri Neal, Iowa State University*  
*Bill Diesslin, Iowa State University*

2:00 Toward a More Sustainable Campus  
*Robert Van Der Like, Energy & Environmental Education, Inc.*

2:10 Steering Technical Curricula Toward Sustainability at 2-Year Colleges  
*Noelle Studer, Portland Community College*

## Panels, Roundtables and Workshop (1:00-2:30)

### **B6 Panel: Designing a Coherent Sustainability Curriculum: From Policy to Implementation MU224-Coconino**

*Moderator: Edward Quevedo, WSP Environmental*  
*David Johnson, William McDonough + Partners*  
*Jane Lorand, GreenMBA*  
*Heather Scholefield, University of British Columbia*

### **B7 Panel: Using LEED for Portfolios – Translating Individual Building Lessons Learned into Overall Portfolio Performance MU203-Gold**

*Moderator: Marc Heisterkamp, US Green Building Council*  
*Riley Neugeberger, American University*  
*Ryan Schauland, University of California, Santa Barbara*

### **B8 Roundtable: Moving from Theory to Practice on a Sustainable Campus: Service Learning Projects to Build Campus Community MU219-Navajo**

*Moderator: Kurt Teichert, Brown University*  
*Julie Newman, Yale University*

# AASHE 2006 Sessions

- B9 Roundtable: Developing a Campus Sustainability Rating System**  
**MU223-La Paz**  
*Moderator: Dave Newport, University of Colorado at Boulder*  
*Julian Dautremont-Smith, AASHE*  
*Judy Walton, AASHE*
- B10 Roundtable: Regional Consortia: Strength in Numbers to Promote Environmental Collaboration**  
**MU212W-Cochise W**  
*Moderator: Jean MacGregor, Curriculum for the Bioregion Initiative*  
*Virginia Brown, Alabama Environmental Education Consortium*  
*Michelle Land, Environmental Consortium of Hudson Valley Colleges and Universities*
- B11 Roundtable: Translating Sustainability to the Media**  
**MU208D-Havasupai**  
*Moderator: Shana Weber, Princeton University*  
*Greg Peterson, Arizona State University*  
*Betsy Rosenberg, EcoTalk Radio*
- B12a Roundtable: Working Together to Build A Greener Campus (45 mins)**  
**MU208E-Kaibab**  
 1:00 *Moderator: Jim Newman, BuildingGreen, inc.*  
*Anna Stefanidou, Boston Architectural College*
- B12b Workshop: Designing Green in a Gray World: Exploring Methods for Realizing Green Design in an Unenlightened Context (45 mins)**  
**MU208D-Kaibab**  
 1:45 *Organizer: Ron van der Veen, Mithun*
- 4:10 Sustainable Building Project/Environmental Design Advice  
*Edward Quevedo, WSP Environmental*  
*David Johnson, William McDonough + Partners*
- 4:30 Creating Competitive Advantage through Sustainable Design  
*Susan Engelkemeyer, Ithaca College*  
*Peter Bardaglio, Ithaca College*
- C2 Institutional Transformation: Campus Case Studies**  
**MU222-Mohave**  
*Chair: Gord Lovegrove, University of British Columbia, Okanagan*
- 3:30 Inspirations & Aspirations: Developing and Implementing a Sustainability Strategy at UBC  
*Heather Scholefield, University of British Columbia*
- 3:50 Inspirations & Aspirations: Developing and Implementing a Sustainability Strategy at UBC  
*Heather Scholefield, University of British Columbia*
- 4:10 Institutional Transformation at the University of Michigan: Development of the Graham Environmental Sustainability Institute to Promote Interdisciplinary Research and Education  
*Jeremy Semrau, University of Michigan*
- 4:30 The Elephant in the Room-Social Sustainability in a Bottom Line World: Teaching and Research at UBC Okanagan on Sustainability to Protect Ourselves and Future Generations  
*Gord Lovegrove, University of British Columbia, Okanagan*
- C3 Students Leading the Way**  
**MU213-Santa Cruz**  
*Chair: Mark Stemen, California State University, Chico*
- 3:30 Student-Led Sustainability Initiatives at Ithaca College  
*Daniel Carrion, Ithaca College*  
*Jack Haurin, Ithaca College*
- 3:50 How Student Participation has Jump-Started Recycling and Composting at the University at Buffalo  
*Erin Cala, University at Buffalo*
- 4:10 Developing Student Partnerships for Sustainability  
*Corinna Kester, University of Texas at Austin*
- 4:30 Creating a Sustainable Student Community  
*Mark Stemen, California State University, Chico*
- C4 International Perspectives & Partnerships**  
**MU208D-Havasupai**  
*Chair: Charles Redman, Arizona State University*
- 3:30 A Service Learning Course on Sustainability in Ecuador  
*David Saiia, Ithaca College*

## Thursday, October 5 Session C (3:30-5:00)

### Papers

- C1 Sustainability and Equity**  
**MU223-La Paz**  
*Chair: Peter Bardaglio, Ithaca College*
- 3:30 Including Social Equity in your Building Product Decisions  
*Antoinette Bunkley, HDR Architecture, Inc.*  
*Katrina Rosa, HDR Architecture, Inc.*
- 3:50 Strategic Sustainability  
*Jocelyn Bates, SRG Partnership*  
*Michel George, Seattle University*

# AASHE 2006 Sessions

3:50 Building Bi-National University Partnerships in Sustainability

*Linda Oviedo, ITSON, Mexico*

*David Pijawka, Arizona State University*

4:10 Creating Agents for Change: K-16 Sustainability Education Program

*Donald Boonstra, Arizona State University*

*Sheri Klug, Arizona State University*

4:30 International Institutional Collaborations for Sustainable Development

*Leti McNeil, Engineers for a Sustainable World*

## **C5 Teaching Sustainability MU202-Alumni Lounge**

*Chair: David Secord, University of Washington, Seattle*

3:30 Teaching Sustainability Through Story: The Role of Writing Local Natural History

*Rochelle Johnson, Albertson College of Idaho*

3:50 Teaching Sustainability Planning

*Stephen Wheeler, University of New Mexico*

4:10 Project-Based Learning for Sustainable Development

*Marcia Nation, Arizona State University*

4:30 Choices and Change in the Arctic National Wildlife Refuge: Wild Adventures in Transdisciplinary Education on Complexity, Controversy, and Sustainability

*David Secord, University of Washington, Seattle*

## Field Reports

### **C6 Lessons from the Field 2 MU203-Gold**

*Chair: Debra Rowe, US Partnership for Education for Sustainable Development*

3:30 Community Service Learning Health Education Project: Reducing Exposure to Endocrine Disrupting Chemicals

*Allison Butler, University of Alaska Anchorage*

3:40 Getting Every Inch Out of the Landscape

*Craig Chatburn, Seattle University*

3:50 Waste Management: A Solid Foundation for Campus Sustainability

*Mark Darling, Program Ithaca College*

4:00 Reducing Our Waste: A Campus-Community Sustainability Partnership

*John Hickey, University of Puget Sound*

4:10 Pursuing Environmentally and Socially Sustainable Custodial Practices at Rice University

*Richard Johnson, Rice University*

4:20 Universities Leading the Way for California's Clean Energy Future

*Stephen Miller, Strategic Energy Innovations*

4:30 Move-out Green! Fostering Reuse and Recycling During Move-out Week

*James Vance, University of Puget Sound*

4:40 Relating Environmental Attitudes to Behaviors for San Jose State University Students

*Katherine Cushing, San Jose State University*

## Panels, Roundtables and Workshops (3:30-5:00)

### **C7 Panel: Integrating Sustainability Throughout a University's Core: A Case Study of the University of New Hampshire's Energy and Climate Initiatives MU203-Gold**

*Moderator: Tom Kelly, University of New Hampshire*

UNH Energy Task Force: One Innovative Means by which UNH is Meeting its Climate Protection Commitment

*Tom Kelly, University of New Hampshire*

Investment in Energy Efficient Operations and Management: An Investment in UNH's Future

*Sara Cleaves, University of New Hampshire*

Branding Clean Fuel Vehicle Fleets: UNH's Eco-Cat Program

*Steve Pesci, University of New Hampshire*

Towns, Gowns and Climate Changes: Connecting UNH to Political Debates about Climate Policy

*Stacy VanDeVeer, University of New Hampshire*

### **C8 Panel: Campus Environmental Management Systems: Where are We/Where are We Heading? MU218-Pima**

*Moderator: Thomas Balf, Campus Consortium for Environmental Excellence*

*Gioia Thompson, University of Vermont*

*Harvest Collier, University of Missouri-Rolla*

### **C9 Panel: Mountain Air Makes You Smarter: Seeking Sustainability at 7000 Feet MU221-Apache**

*Moderator: Mark Flynn, Northern Arizona University*

Challenges of Platinum Certification at High Altitude

*Paul Dufek, Northern Arizona University*

A Coordinated Approach to LEED Certification at NAU

*Mark Wilhelm, Green Ideas, Inc.*

*Paul Davila, Northern Arizona University*

Using LEED Buildings as Educational Tools

*Tom Weinert, Northern Arizona University*

Converting to Renewable Energy: A Major New PV Installation and Two Biomass Generators

*Mark Flynn, Northern Arizona University*

# AASHE 2006 Sessions

- C10 Roundtable: Aligning for Sustainability in Academia**  
**MU219-Navajo**  
*Moderator: Lorinda Rowledge, Bainbridge Graduate Institute*  
*Kate Lancaster, Bainbridge Graduate Institute and Cal Poly San Luis Obispo*
- C11 Workshop: Campus Climate Challenge**  
**MU224-Coconino**  
*Organizer: Kristin Kranendonk, National Wildlife Federation*  
*Melissa Fries, Campus Ecology, National Wildlife Federation*  
*Kristy Jones, Campus Ecology, National Wildlife Federation*
- C12a Panel: Environmental Sustainability across Carnegie Mellon (45 mins)**  
**MU215-Pinal**  
 3:30 *Melissa Cicozi, Carnegie Mellon University*  
*Barbara Kviz, Carnegie Mellon University*  
*M Sbernell Smith, Carnegie Mellon University*
- C12b Workshop: But Does It Work? Operational Lessons from Building Green (45 mins)**  
**MU208E-Kaibab**  
 4:15 *Organizer: Bruce Alperin, Aramark Higher Education*  
*Steve Guenther, Aramark Higher Education*

## Friday, October 6 Session D (8:30-10:00)

### Papers

- D1 Whole Campus Approaches to Sustainability**  
**MU219-Navajo**  
*Chair: Robert Koester, Ball State University*  
 8:30 *Creating a Culture of Sustainability*  
*Gary Deason, Northern Arizona University*  
*Heather Farley, Northern Arizona University*  
*Mike Madigan, Northern Arizona University*  
 8:50 *Whole-College Approaches to Sustainability in Teacher Education in Jamaica*  
*Marceline Collins-Figueroa, University of the West Indies, Mona*  
 9:10 *An Integrated Approach to Sustainability at the University of Rochester*  
*Rebecca Neville, University of Rochester*  
 9:30 *Productive Collaboration: a Whole Systems Approach to Sustainability*  
*Robert Koester, Ball State University*
- D2 Walls and Windows: The Case for Green Building**  
**MU208E-Kaibab**  
*Chair: Philip Ling, Powersmiths International Corp.*
- 8:30 *Building a Case for Sustainability in Higher Education Facilities*  
*Jordan Lerner, Abacus Engineered Systems*  
 8:50 *Environmental Metric Development and Reporting at the University of Michigan*  
*Andrew Berki, University of Michigan*  
 9:10 *As Easy as Opening a Window?*  
*Jim Kalvelage, Opsis Architecture*  
*Matthew Younger, Stantec Consulting*  
 9:30 *If These Walls Could Talk - Connecting Buildings and People*  
*Philip Ling, Powersmiths International Corp.*
- D3 Multidisciplinary Programs**  
**MU208F-Turquoise**  
*Chair: Jennifer Evertt, De Pauw University*  
 8:30 *The Greening of a Professor: Committing to a Sustainability-Themed Honors Program*  
*Heather Burns, Portland State University and University of Portland*  
*Laura Steffen, University of Portland*  
 8:50 *Inventing a Multidisciplinary Graduate Certificate in Sustainability*  
*David Ervin, Portland State University*  
 9:10 *Transdisciplinary Foundations and the Education of Tomorrow's Leaders*  
*Lewis Gilbert, The Nelson Institute for Environmental Studies at the University of Wisconsin, Madison*  
 9:30 *The Emergence of Interdisciplinary Graduate Education for Sustainability*  
*Dhara L. Kothavala, Arizona State University & Prescott College*
- D4 Approaches to Sustainability Education**  
**MU224-Coconino**  
*Chair: Sandra Lubarsky, Northern Arizona University*  
 8:30 *The Universe Story, Sustainability, and Higher Education*  
*Paul Morgan, West Chester University of Pennsylvania*  
 8:50 *The Naïve Dream of the Return to Nature: A Depth Psychological Perspective on Environmentalism*  
*Lori Pye, Santa Barbara City College*  
 9:10 *How Can We Clone the "Green Gene"?*  
*Betsy Rosenberg, EcoTalk Radio*  
 9:30 *Toward a Beauty-Centric Education*  
*Sandra Lubarsky, Northern Arizona University*
- D5 Engaged Students and Staff**  
**MU212-Cochise**  
*Chair: Joe Bowersox, Willamette University*  
 8:30 *Tangible Evidence for Smart Design in a Green World*  
*David Damon, Sasaki and Associates*

# AASHE 2006 Sessions

- 8:50 Engaging College Students in Energy Efficient Strategies in Their Community  
*Mildred C. Dandridge, Strategic Energy Innovations*
- 9:10 Beyond Compliance: Using Compliance Programs to Launch and Leverage Sustainability Initiatives  
*Joy Grillon, Woodard & Curran*
- 9:30 Re-Inhabiting the Lost Landscapes of Sustainability in the Community  
*Terril Shorb, Prescott College*

## Panels, Roundtables and Workshops (8:30-10:00)

- D6 Panel: Making Sustainability Social**  
**MU222-Mohave**  
*Moderator: Dave Newport, University of Colorado at Boulder*  
*Hunter Lovins, Natural Capitalism, Inc.*  
*Beatrice Barr, Presidio School of Management*
- D7 Roundtable: Thinking Beyond the Campus Boundaries**  
**MU213-Santa Cruz**  
*Moderator: Kristine Kenney, Mithun*  
*JP Kemmick, Pacific Lutheran University*  
*Dave Kobler, Pacific Lutheran University*  
*Sberi Tonn, Pacific Lutheran University*
- D8a Workshop: From Sustenance to Sustainability: Involving Internal Constituents and External Stakeholders in Common Conversations (45 mins)**  
**MU221-Apache**  
8:30 *Organizer: B. David Rowe, LaGrange College*  
*Mark Y. Alex Davies, Oklahoma City University*
- D8b Workshop: The Bequest, A Film about Sustainability (45 mins)**  
**MU221-Apache**  
9:15 *Organizer: Monty Hempel, University of Redlands*
- D9a Workshop: Stop Messing With Creation! Christianity as Part of the Environmental Movement (45 mins)**  
**MU208D-Havasupai**  
8:30 *Organizer: Audrey deCoursey, Pacific School of Religion, Berkeley*
- D9b Workshop: Creating Patterns that Connect: Sustainability Education as Lived Experience (45 mins)**  
**MU208D-Havasupai**  
9:15 *Organizer: Barbara Widbalm, University of New Mexico and California Institute of Integral Studies*

- D10 Workshop: The Business of Sustainability- Integrating Sustainability into Undergraduate Business Courses**  
**MU223-La Paz**  
*Organizer: Paul Hudnut, Colorado State University*  
*Emily Bonner, Colorado State University*  
*Ken Peterson, Colorado State University*
- D11 Workshop: EMS as a Tool for Achieving Sustainability**  
**MU203-Gold**  
*Organizer: Susan Sakaki, Sustainable Earth Initiative*  
*Dorothy Atwood, Zero Waste Alliance*

Friday, October 6  
10:15-11:45

## Plenary -- Global Warming

### Global Warming and Higher Education

- MU207-Arizona Ballroom**  
*Introduction: Tony Cortese, Second Nature*  
*Moderator: Julian Keniry, National Wildlife Federation*  
*Eban Goodstein, Lewis & Clark College*  
*Billy Parish, Energy Action Coalition*

Friday, October 6  
Session E (12:45-2:15)

## Papers

- E1 Planning Sustainable Campuses and Communities**  
**MU215-Pinal**  
*Chair: Ron van der Veen, Mithun*  
*Architects+Designers+Planners*
- 12:45 Implementing Smart Growth On and Off Campus  
*Kevin Nelson, US Environmental Protection Agency*
- 1:05 Planning for Sustainable Campus Development  
*Pat Sonnino, Sasaki and Associates, Inc.*  
*N. Scott Smith, Sasaki Associates, Inc.*
- 1:25 University of California Merced: A Model for a Sustainable Campus  
*Carrie Byles, Skidmore, Owings & Merrill LLP*  
*Aidan Hughes, ARUP*  
*Ellen Lou, Skidmore Owings & Merrill LLP*
- 1:45 The Sense of Site: Rediscovering a Sustainable Campus Environment  
*Mike Abbate ASLA, LEED™, GreenWorks Landscape Architects*

# AASHE 2006 Sessions

## E2 Beyond Low Hanging Fruit MU208E-Kaibab

*Chair: Julie Zimmerman, US Environmental Protection Agency*

12:45 Changing Campus Food Service through Student Initiatives

*Gary Deason, Northern Arizona University*

*Ben Williams, Northern Arizona University*

*Bret Wojciak, Northern Arizona, University*

1:05 Making Food Service Sustainable: Portland State University's Experience

*Jennifer Allen, Portland State University*

1:25 Northern Arizona University's "Sustainable is Attainable" Pledge Campaign: A Case Study

*Lea Parker, Northern Arizona University*

1:45 Educating the next generation through EPA's P3 Award Program

*Julie Zimmerman, US Environmental Protection Agency*

## E3 Leading Change Toward Sustainability MU208F-Turquoise

*Chair: Monty Hempel, University of Redlands*

12:45 What Is a Provost to Do? or The Role of the Chief Academic Officer in Advancing Campus Sustainability

*Peter Bardaglio, Ithaca College*

1:05 Sustainable Idaho: Making Sustainability Sustainable in Higher Education

*Max Dakins, University of Idaho*

1:25 Champions of Organizational Change toward Sustainability and Pivotal Experiences that Influenced their Work

*Brian Dunbar, Colorado State University*

1:45 Searching for Sustainability in Southern California

*Monty Hempel, University of Redlands*

## E4 Mapping the Way Forward MU224-Coconino

*Chair: Walter Simpson, University at Buffalo, SUNY*

12:45 Developing Research Priorities with a Cohort of Higher Education for Sustainability Experts

*Tarah Wright, Dalhousie University*

1:05 A Definition of Sustainability for Higher Education

*John McGovern, Cleveland State University*

1:25 Psychological Obstacles to Sustainable Environments

*Edward Sadalla, Professor, Arizona State University*

1:45 Understanding Sustainability

*Walter Simpson, University at Buffalo, SUNY*

## Field Reports

### E5 Lessons from the Field 3 MU219-Navajo

*Chair: Dave Newport, University of Colorado at Boulder*

12:45 Steering in the Right Direction for Sustainability

*Ron Hubert, Northern Arizona University*

12:55 A New Campus Sustainability Assessment Framework: a Comparative Tool for Students, Faculty, and Staff to Evaluate Their Campus

*Lia Wetzstein, University of Washington, Tacoma*

1:05 Identifying the Perceived Challenges to Implementing Sustainability Initiatives on Campus by a Cohort of Talloires Signatory University Administrators

*Tarah Wright, Dalhousie University*

1:15 Bridging Sustainable Development with Water

*Daniel Baker, University of Vermont*

1:25 Carbon Offset Initiatives on Study Abroad Programs

*Daniel Greenberg, Living Routes - Ecovillage Education*

1:35 Sustainability at the Human Scale

*Taylor Jackson, Arizona State University*

1:45 Creating a Just Community: A Model for Collaborative Action

*Geoffrey Milz, University of Cincinnati*

## Panels, Roundtables and Workshops (12:45 – 2:15)

### E6 Panel: A Journey to Sustainability: How Furman University has Traded the SUV for a Hybrid MU212-Cochise

*Moderator: Frank Powell, Furman University*

How We Arrived at Where We Are: The Role of Strategic Planning

*Bill Ranson, Furman University*

Help from Our Neighbors: Furman University and the Associated Colleges of the South

*Scott Salzman, Furman University*

*Boyd Yarbrough, Furman University*

Consumption and the Triple Bottom Line

*Phil Lewis, Furman University*

*Jeff Redderson, Furman University*

Recruiting Sustainably-Minded Students and Growing Our Own at Furman University

*Trevor Cutsinger, Furman University*

*Colin Hagan, Furman University*

*James Wilkins, Furman University*

# AASHE 2006 Sessions

## Field Reports

**E7 Panel: Arizona Water Institute – Experiments in Collaboration**  
**MU222-Mohave**

*Moderator: Kathy Jacobs, Arizona Water Institute, University of Arizona*

*Len Drago, Intel Corporation*

*Charlie Ester, Salt River Project*

*Chuck, Graf, Arizona Water Institute*

*Jim Holway, Arizona State University*

*Karen Smith, Arizona Department of Water Resources*

**E8 Roundtable: Sustainability and Planning: An Integrated Approach to Academics, Resource Planning and Facilities**  
**MU2132-Santa Cruz**

*Moderator: John Ruffo, WRNS Studio*

*Katie Maynard, University of California Santa Barbara*

**E9 Panel: Challenges of Implementing a University-Wide Sustainability Initiative: Lessons Being Learned from Arizona State**  
**MU218-Pima**

*Moderator: Charles Redman, Arizona State University*

*Bonny Bentzin, Arizona State University*

*Jim Buijzer, Arizona State University*

*Brett Perozzi, Arizona State University*

*Austin Shangraw, Arizona State University*

**E10 Workshop: Focus the Nation: Climate Stabilization in the 21st Century**  
**MU203-Gold**

*Organizer: Eban Goodstein, Lewis & Clark College*

**E11a Workshop: Federal Funding Opportunities (45 mins)**  
**MU221-Apache**

12:45 *Organizer: James Elder, Campaign for Environmental Literacy.*

**E11b Workshop: Why Green Purchasing? (45 mins)**  
**MU221-Apache**

1:30 *Organizer: Brian Yeoman, NAEP/ Houston Advanced Research Center.*

**E12 Workshop: Engaging Students in Issues of Health and Justice**  
**MU223-LaPaz**

*Organizer: Jean MacGregor, The Evergreen State College*

*Katherine Davies, Antioch University, Seattle*

*Lin Nelson, The Evergreen State College*

*Cynthia Updegrave, University of Washington*

Friday, October 6

2:30-4:00

Plenary -- Curriculum

**Rebuilding as We Sail: Creating New Norms for Education for Sustainability**  
**MU207-Arizona Ballroom**

*Introduction: Chuck Redman, ASU*

*Jean MacGregor, The Evergreen State College*

*Jim Farrell, St. Olaf College*

*Yolanda Moses, University of California, Riverside*

*Debra Rowe, US Partnership for Education for Sustainable Development*

## Plenary -- Food

**Feeding Institutional Transformation through Local Food Systems**  
**MU218-Pima**

*Introduction: Kathy Jacobs, Arizona Water Institute*

*Moderator: Ginny Peckinpaugh, Oregon Campus Compact*

*Celine Fitzmaurice, Portland State University*

*Tim Galarneau, University of California, Santa Cruz*

*Tom Kelly, University of New Hampshire*

# AASHE 2006 Sessions

## Friday, October 6 Session F (4:00-5:30) Papers

### **F1 MU215-Pinal Assessing Sustainability on Campus**

*Chair: Almut Beringer, University of Prince Edward Island.*

4:00 Crucial Curricula for Sustainable Development  
*Philip White, Arizona State University.*

4:20 Peeking in Closets: An Environmental Sustainability Assessment at Portland State University  
*Amy Dvorak, Portland State University.*

4:40 Sustainability in Higher Education in Atlantic Canada  
*Almut Beringer, University of Prince Edward Island.*

### **F2 MU208E-Kaibob Models and Demonstrations: Towards a Green Future**

*Chair: Wynn Calder, University Leaders for a Sustainable Future.*

4:00 Using Sustainability to Connect Academia with Government  
*William Leaby, Eastern Connecticut State University.*

4:20 The University of Michigan Energy Management Program: Using Engineering, Research, Education, and Outreach towards a Sustainable Energy Conservation Effort  
*Stephen Kunselman, University of Michigan.*  
*Yoshiko Hill, University of Michigan.*

4:40 The Future of Higher Education Infrastructure  
*Roger Ebbage, Lane Community College.*

5:00 Green Residence Hall Demonstrations: A First Step Towards Sustainability  
*Stephen Miller, Strategic Energy Innovations.*

### **F3 MU208F-Turquoise Connecting with Communities**

*Chair: Peggy Green, Broward Community College.*

4:00 Community-based Planning for a Sustainable Future  
*Nancy Parkes, The Evergreen State College.*  
*John Pumilio, The Evergreen State College.*

4:20 Collaborative Graduate Research for Sustainability: Spatial Analysis of Campus Storm-water Runoff using GIS  
*William Lotz, Western Illinois University.*  
*William Brewer, Western Illinois University.*

4:40 Reducing Water and Energy Use on Arizona Farms and Ranches  
*Tom Acker, Northern Arizona University.*  
*Gary Deason, Northern Arizona University.*  
*Mark Glauth, Northern Arizona University.*

# AASHE 2006 Sessions

5:00 How the Trees Brought Us Together  
*Peggy Green, Broward Community College*

**F4 Curriculum and Pedagogy  
MU224-Coconino**

*Chair: Steve Woolpert, Saint Mary's College*

4:00 Principles of the Sustainable Classroom  
*Carole Huber, University of Colorado at Colorado Springs*

4:20 Combining Science with the Arts: An Effective Way to Enhance Student Understanding of Sustainable Development  
*Brett Robbs, University of Colorado at Boulder*

4:40 Sustainability in Unexpected Places: Integrating the Ideas into "Regular" College Courses  
*Linda Vanasupa, Cal Poly, San Luis Obispo*

5:00 Teaching and Assessing "Ecological Thinking" as a Liberal Art  
*Steve Woolpert, Saint Mary's College*

## Field Reports

**F5 Sustainable Campuses: Reports from the Field 4  
MU219-Navajo**

*Chair: Victor Nolet, Western Washington University*

4:00 The Process of Learning Sustainable Design in Interior Architecture  
*José Bernardi, Arizona State University*

4:10 Incorporating Green and Sustainable Chemistry into the Undergraduate Curriculum: Pedagogy, Research and Outreach Activities  
*Edward Brush, Bridgewater State College*

4:20 Cal Poly Land: The Place of the University  
*Steven Marx, Cal Poly, San Luis Obispo*

4:30 Experiential Learning: Standard Sustainable Interior Materials Binders  
*Janice Jennings, Mesa Community College*

4:40 One Classroom at a Time: Sustainable Renovation at the Classroom Scale  
*Michael Rogers, Ithaca College*

4:50 Teaching for a Positive Future: Education for Sustainability in a Teacher Preparation Program  
*Victor Nolet, Western Washington University*

**F6 Panel: From Public Policy to Sustainable Campuses  
MU213-Santa Cruz**

*Moderator: Woodrow Clark, Los Angeles Community College District*

*Larry Eisenberg, Los Angeles Community College District  
Mona Field, Los Angeles Community College District*

**F7 Panel: Tips for Teaching Sustainability  
MU222-Mohave**

*Moderator: William Timpson, Colorado State University  
Brian Dunbar, Colorado State University  
Tony Cortese, Second Nature*

**F8 Panel: Accelerating Change in Renewable Energy and Climate Change Markets  
MU201-Gold**

*Moderator: Greg Chambers, Sterling Planet Inc.  
Blaine Collison, US Environmental Projection Agency  
Chris Fanning, The Climate Trust  
Bjorn Fischer, Oregon Climate Trust  
Marcus Krembs, Sterling Planet, Inc.*

**F9 Panel: Sustainable Campuses as Learning Tools: Green Buildings and Grounds and the Educational Mission of the University  
MU223-La Paz**

*Moderator: Joe Bowersox, Willamette University  
Michael Sestric, Lewis and Clark College  
Sberi Tonn, Pacific Lutheran University  
Bob Snyder, Zimmer Gunsul Frasca Partnership*

**F10 Panel: Improving Campus Energy Performance: Best Practices in Student-Driven Energy Efficiency and Conservation Programs  
MU212-Cochise**

*Moderator: Andy Coghlan, Alliance to Save Energy  
Jocelyn Orr, Humboldt State University  
Joanne Panchana, California State University, Chico  
Shyla Raghav, University of California, Irvine  
Ryan Schauland, University of California, Santa Barbara*

**F11a Workshop: Green Demonstration Areas: Practical Demonstration of Sustainable Living (45 mins)  
MU221-Apache**

4:00 *Laura Moreno, University of California, Berkeley*

**F11b Workshop: Incorporating Sustainability into the Residence Halls (45 mins)  
MU221-Apache**

4:45 *Laura Moreno, University of California, Berkeley*

Thursday, October 5  
2:30-3:30

## Poster Session (LAWN)

**P1 Sustainability Partnership: Bringing Science to Practice, and the Practical to Science**

*Anne Ellis, Arizona State University*

**P2 Student Contributions to Campus Sustainability**

*Stephanie Kaza, University of Vermont  
Gioia Thompson, University of Vermont*

# AASHE 2006 Sessions

- P3 Ecovillages as Campuses for Sustainability Education**  
*Daniel Greenberg, Living Routes - Ecovillage Education*
- P4 Implementing Smart Growth On and Off Campus**  
*Kevin Nelson, US Environmental Protection Agency*
- P5 Go With the Flo: Designing Social Benefits into A Product**  
*John Takamura, Arizona State University*
- P6 Tracking the Literature: A Bibliometric Study of Higher Education for Sustainability Journal Articles**  
*Tarab Wright, Dalhousie University*
- P7 A Campus-Community Partnership for Biodiesel Production**  
*Karin Warren, Randolph-Macon Woman's College*
- P8 Collaborative Water Harvesting at the University of Arizona**  
*Emilie Brill Duisberg, University of Arizona*
- P9 Involving Students in LEED Certification of a Sports and Activities Center**  
*Karin Warren, Randolph-Macon Woman's College*
- P10 Keeping (the) House**  
*B. David Rowe, LaGrange College*  
*Mark Y. Alex Davies, Oklahoma City University*
- P11 Pacific University & Mahlum Architects: A Model of Holistic Development**  
*Kurt Haapala, Mahlum Architects*  
*Deke Gundersen, Pacific University*
- P12 Auburn Sustainability Action Project (ASAP): Interdisciplinary Cooperation with Quick Visible Results**  
*Lindy Biggs, Auburn University*  
*Matthew Williams, Auburn University*
- P13 Positive Approach to Sustainability**  
*Syed Hashim, Idaho State University/Idaho GemStars*
- P14 Creating a Student-Directed Farm at Colorado College**  
*Miro Kummel, Colorado College*  
*Tori W Ulrich, Colorado College*  
*Marian R Pierce, Colorado College*  
*Alysia H Crocker, Colorado College*  
*Mary J Dilg, Colorado College*  
*Alexander F Lippitt, Colorado College*  
*Austin W Smith Colorado College*
- P15 Using Ecological Footprinting as a Quantitative Case Study for Assessing Personal and Institutional Sustainability**  
*Phil Camill, Carleton College*
- P16 Sustainable Science and Engineering Education in the US**  
*John Crittenden, Arizona State University*
- P17 Sustainable Schools, Sustainable Cities: A Service Learning Project**  
*Nancy Crocker, University College, Arizona State University*
- P18 Creating a Culture of Sustainability: The Sustainable Foods Movement at Pacific Lutheran University**  
*Rachel Esbjornson, Pacific Lutheran University*  
*JP Kemmick, Pacific Lutheran University*
- P19 The Greening of Eastern**  
*William Leaby, Institute for Sustainable Energy, Eastern Connecticut State University.*
- P20 School of Sustainability: A New Approach to Education**  
*Lisa Murphy, Arizona State University*
- P21 Engaging Students in Ecological Research: The Central Arizona-Phoenix Long-term Ecological Research (CAP LTER) Project**  
*Marcia Nation, Arizona State University*
- P22 Arizona Water Institute: Building Innovative Collaborations**  
*Peter Newell, Arizona State University*
- P23 Sea Kayaking among the Mangroves, Fishing with the Community: Lessons Learned in Cross Cultural Place Based Education**  
*Mark Ritchie, International Sustainable Development Studies Institute*
- P24 Sustainability through Active Listening**  
*Elizabeth Shephard, Carleton College*
- P25 Making it Official: Factors Associated with the Adoption of the Talloires Declaration**  
*Daniel Sherman, University of Puget Sound*
- P26 Focusing Student Energy through Service Learning**  
*Noelle Studer, Portland Community College*
- P27 SustainableCampus.Org**  
*Robert Van Der Like, Energy & Environmental Education Resources, Inc.*
- P28 Is PV Worth It? Only if you use it to Educate!**  
*Walter Simpson, University at Buffalo, SUNY*
- P29 Campus Planning and Water Resource Management**  
*Peter Doo, Hord Coplan Macht Architects*

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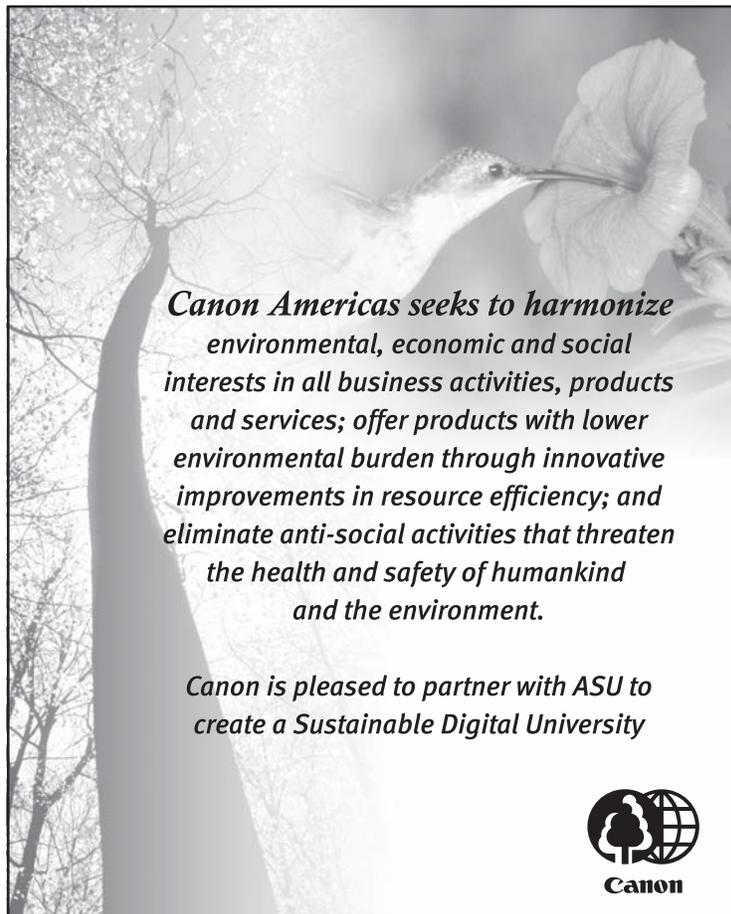
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## Awards Ceremony

*AASHE will present its Sustainability Leadership Awards from 7:00 – 8:00 pm following dinner on Thursday.*

Introduction - Julian Dautremont-Smith

AASHE Campus Sustainability Leadership Awards – Sheri Tonn

- ◆ Community college or other two-year institution
- ◆ Four-year or graduate institution under 1,000 student FTE
- ◆ Four-year or graduate institution between 1,000 and 10,000 student FTE
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AASHE Student Sustainability Leadership Awards – Matthew St.Clair

- ◆ 2006 Student Sustainability Leadership Award
- ◆ 2005 Evan Williams Student Award

Other Recognitions – Sheri Tonn, Anthony Cortese

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National Association of College Stores  
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National Intramural-Recreational Sports Association  
Society for College & University Planning

### Special Thanks to Our Judges:

Almut Beringer, Director of Environmental Studies and Sustainability, University of Prince Edward Island ◆ Jillian Buckholz, Sustainability Coordinator, CSU Chico ◆ Terry Calhoun, Director of Communications and Publications, Society for College and University Planning ◆ Liz Davey, Environmental Coordinator, Tulane University ◆ Jim Elder, Director, Campaign for Environmental Literacy ◆ Stephanie Erickson, Organizer, Bus Project ◆ Melissa Ezarik, Managing Editor, *University Business* ◆ Melissa Garcia LaMarca, Sustainability Coordinator, Concordia University ◆ Richard Johnson, Sustainability Planner, Rice University ◆ Bob Koester, Professor of Architecture, Ball State University ◆ Terry Link, Sustainability Director, Michigan State University ◆ Tavey McDaniel, Sustainability Coordinator, Duke University ◆ Cindy Pollock Shea, Director of Sustainability, UNC Chapel Hill ◆ Janelle Simmons, Director of Orientation and First Year Experience, North Carolina Central University ◆ Gioia Thompson, Environmental Coordinator, University of Vermont

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Lannette Dunkeson  
9437 E. Los Lagos Vista Ave.  
Mesa, AZ 85209  
480-357-9239  
480-357-9639 fax  
www.dell.com  
lannette\_dunkeson@dell.com  
Computers

## Dircks Moving Services, Inc.

Space #: 39  
Rick Dircks  
4340 West Mohave Street  
Phoenix, AZ 85043  
602-269-5521  
602-477-2941 fax  
www.dircks.com  
rdircks@dircks.com  
Moving, Logistics, Real Estate

## DLR Group

Space #: 36  
Lynnette Morrison  
6225 North 24th Street #250  
Phoenix, AZ 85016  
602-381-8580  
602-956-8358 fax  
www.dlrgroup.com  
lmorrison@dlrgroup.com  
Architecture, Engineering

## Euro Design Systems, Inc.

Space #: 30  
Chris Barnhart  
2106 North Forbes Blvd #103  
Tucson, AZ 85745  
520-331-3209  
520-207-9051 fax  
www.eurodesignsystems.com  
info@eurodesignsystems.com  
Furniture

## Fisher Scientific

Space #: 29  
Steve Brown  
2446 E. Cathedral Rock Dr.  
Phoenix, AZ 85048  
800-955-6666 X1993103  
480-704-9325 fax  
www.fishersci.com  
steve.brown@fishersci.com  
Laboratory Products, Safety  
Products

## Fritz Industries

Space #: 61  
Teresa Cain  
500 Sam Houston Road •  
Mesquite, Texas 75149-2789  
805-901-7346  
www.fritzind.com  
Tcain@fritzind.com  
Flooring

## Grist

Space #: 57  
Emily Cunningham, Kendra  
Howe, Brendan Smithe X214  
710 2nd Avenue #860  
Seattle, WA 98104  
206-846-2020 X205  
206-778-1428 fax  
www.grist.org  
ecunningham@grist.org  
News

## Holder Construction Company

Space #: 32  
Beth Scarano, Kristi  
4222 E Thomas Road, Ste 230  
Phoenix, AZ 85018  
602-889-8706  
602-224-5202 fax  
www.holderconstruction.com  
bscarano@holder.com  
Construction

## Interface FLOR Commercial\*

Space #: 65  
Renee Boggus  
1503 Orchard Hill Road  
LaGrange, GA 80240  
706-812-6185  
706-812-0908 fax  
www.interfaceflooring.com  
renee.boggus@interfaceflor.com  
Carpet

## KI

Space #: 92  
Mark Matusow, Miriam Slaught  
5510 N. 40th St.  
Phoenix, AZ 85018  
480-229-6857  
602-840-4338 fax  
www.ki.com  
mark.matusow@ki.com  
Furniture

## Living Routes

Space #: Inside  
Daniel Greenberg  
79 S Pleasant St #A5  
Amherst, MA 1002  
413-259-0025  
413-259-9355 fax  
www.livingroutes.org  
daniel@livingroutes.org  
Study Abroad Programs

# ASU Sustainability Expo 2006 Exhibitors

## **Lucid Design Group**

Space #: 26  
Michael Murray  
46984 West Hamilton Street  
Oberlin, OH 44074  
510-907-0400  
440-379-9904 fax  
www.luciddesigngroup.com  
mmurray@luciddesigngroup.com  
Building Dashboard TM

## **MIT Press**

Space #: 55  
John Costello  
55 Hayward Street  
Cambridge, MA 02142  
617-258-5764  
617-253-1709 fax  
www.mitpress.mit.edu  
jcostell@mit.edu  
Books

## **MSC Industrial Supply**

Space #: 38  
Andy Lujan  
230 West Baseline Rd, #101B  
Tempe, AZ 85282  
480-755-0415  
480-755-4209 fax  
www.mscdirect.com  
lujana@mscdirect.com  
Maintenance Products, Safety  
Products

## **National Wildlife Federation (NWF)\***

Space #: 66  
11100 Wildlife Center Drive  
Reston, VA 20190  
800-822-9919  
www.nwf.org/campusecology  
campus@nwf.org  
Information

## **Naumann Hobbs Material Handling**

Space #: 15  
Carl Wren  
4335 E. Wood St.  
Phoenix, AZ 85040  
602-296-2078  
602-437-3363 fax  
www.naumannhobbs.com  
carl.wren@nhmh.com  
Vehicles

## **Office Depot**

Space #: Business Center  
Lauren Halburn  
2200 Old Germantown Road  
Delray Beach, FL 33445  
561-438-4800  
www.officedepot.com  
communityrelations@officedepot.com  
Office Supplies

## **Olympian/Bekins Worldwide Moving and Storage**

Space #: 28  
Michael Marr  
2225 South 43rd Avenue #2  
Phoenix, AZ 85009  
602-269-2225  
602-269-1215 fax  
www.moveolympian.com  
gmarr@moveolympian.com  
Moving, Storage

## **Philips Lighting Company**

Space #: 20  
Brady Cowan  
32511 Westwood Square East  
Magnolia, TX 77354  
281-259-1455  
281-259-1457 fax  
www.philips.com  
brady.cowan@philips.com  
Lighting

## **Phone Supplements, Inc.**

Space #: 59  
Ken Jones  
2121 West University #104  
Tempe, AZ 85281  
602-252-6868  
480-966-1748 fax  
www.phonesupplements.com  
kjones@phonesupplements.com  
Plantronics Headsets, Polycom

## **PortionPac Chemical Corporation\***

Space #: 85  
Caryn Stets  
400 North Ashland Avenue  
Chicago, IL 60622  
312-226-0400  
312-226-5400 fax  
www.portionpaccorp.com  
cstets@portionpaccorp.com  
Cleaning Supplies

## **Powersmiths\***

Space #: 17  
Philip Ling  
10 Devon Road  
Brampton, ON CANADA L6T  
5B5  
905-791-1493 X258  
905-791-8870 fax  
www.powersmiths.com  
pling@powersmiths.com  
Transformers, Metering

## **Prescott College\***

Space #: 3  
Abbey Carpenter  
220 Grove Avenue  
Prescott, AZ 86301  
928-350-2101  
928-776-5242 fax  
www.prescott.edu  
acarpenter@prescott.edu  
Education

## **ReSource Arizona**

Space #: 33  
Peter Weidner  
4140 N. 44th St. #100  
Phoenix, AZ 85018  
602-256-2862  
602-256-2988 fax  
www.resourcearizona.com  
peter.weidner@US.Interfaceinc.com  
Flooring

## **Shaw Contract Flooring**

Space #: 62  
Joe Knapp  
2085 South Porter Street  
Chandler, AZ 85296  
602-821-4636  
482-782-7580 fax  
www.shawcontractgroup.com  
joe.knapp@shawinc.com  
Flooring

## **Sodexo Campus Services**

Space #: 84  
Ben Hartley, Karen Levy  
PO Box 871101  
Tempe, AZ 85281  
480-965-2052  
480-727-0008 fax  
www.sodexhousa.com  
bhartley@asu.edu  
Foodservice

## **Spartan Promotional Group**

Space #: 2  
Alene Geed  
1830 E. Elliot, #102  
Tempe, AZ 85284  
480-820-7676  
480-820-6610 fax  
www.spartanaz.com  
alene@spartanaz.com  
Promotional Imprinted Products

## **Staples Business Advantage**

Space #: 16  
Melissa Magdziak  
22 Centerpoints Drive #100  
La Palma, CA 90623  
714-562-6792  
714-562-4262 fax  
www.staples.com  
melissa.magdziak@staples.com  
Office Supplies

## **Tri-Universities**

Space #: 53  
Kathy Jacobs  
PO Box 872403  
Tempe, AZ 85287-2403  
480-727-8596  
480-965-0865 fax  
Education

# ASU Sustainability Expo 2006 Exhibitors

## **Turner Construction Company**

Space #: 27  
Joy Clark  
637 South 48th Street  
Tempe, AZ 85281  
480-557-4700  
480-557-6743 fax  
www.tcco.com  
jclark@tcco.com  
Construction

## **University of Arizona - Water Sustainability Program\***

Space #: 52  
Jackie Moxley  
350 North Campbell Ave  
Tucson, AZ 85742  
520-792-9591 X17  
520-792-8518 fax  
www.uawater.arizona.edu  
jmoxley@cals.arizona.edu  
Education

## **US Green Building Council, Arizona Chapter**

Space #: 96  
Douglas McCord  
PO Box 4130  
Scottsdale, AZ 85261  
480-990-8848  
480-990-8449 fax  
www.usgbc.org/chapters/arizona  
dmccord@moranarchitects.com  
Information

## **Valley Forward**

Space #: 35  
Diane Brossart  
3800 N. Central Ave., #220  
Phoenix, AZ 85012  
(602) 240-2408  
(602) 261-2407 fax  
www.valleyforward.org  
DBrossart@valleyforward.org  
Information

## **Valley Metro**

Space #: 90  
Dolores Nolan  
302 N. 1st Avenue, 6th Floor  
Phoenix, AZ 85003  
(602) 262-4001  
(602) 261-8756 fax  
www.valleymetro.org  
DNolan@valleymetro.org  
Transportation

## **VWR International**

Space #: 34  
Jeff Maurisak  
60244 North Exploration Trail  
Anthem, AZ 85086  
623-551-4042  
623-551-4052 fax  
www.vwr.com  
jeff\_maurisak@vwr.com  
Lab & Research Supplies

## **Walsh Bros. Office Environments**

Space #: 93,94,95  
Kelsey Massee  
1636 N. Central Ave.  
Phoenix, AZ 85004  
602-252-6941  
602-252-8222 fax  
www.walshbros.com  
info@walshbros.com  
Furniture

## **Waxie Sanitary Supply**

Space #: 4,5  
Karl Kreiling  
2810 S. Roosevelt  
Tempe, AZ 85282  
480-968-1212 X430  
480-968-1539 fax  
www.waxie.com  
kkreiling@waxie.com  
Cleaning Supplies

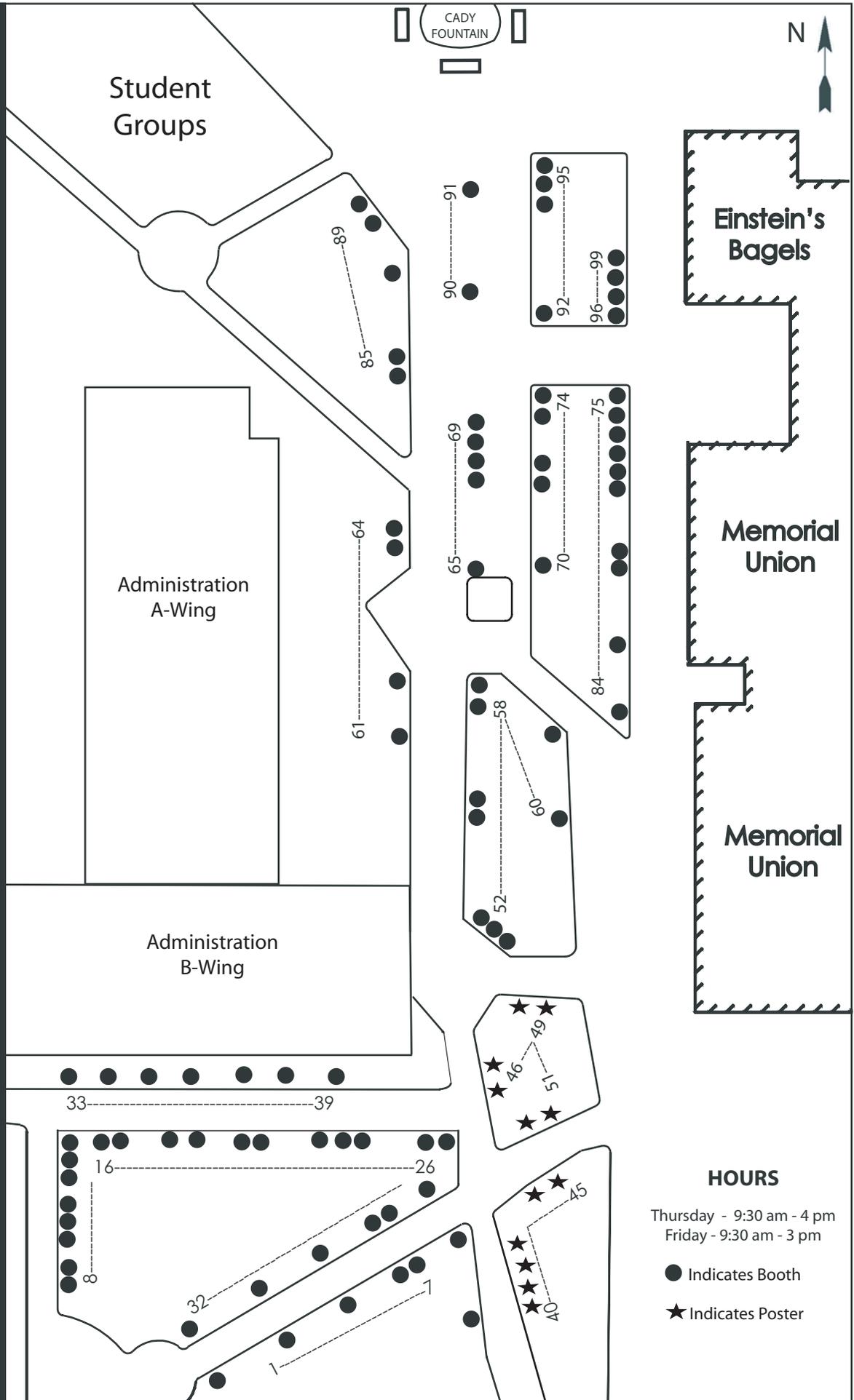
## **Woodard & Curran**

Space #: 87  
Jay Grillon  
35 New England Business Center  
Andover, MA 1810  
866-702-6371  
978-557-7948 fax  
www.woodardcurran.com  
jgrillon@woodardcurran.com  
Consulting

## **WW Grainger**

Space #: 6  
Yvette Apodaca  
18832 North 52nd Avenue  
Glendale, AZ 85308  
480-966-9797  
www.grainger.com  
Yvette.Apodaca@grainger.com  
Maintenance Products

# AASHE 2006 SUSTAINABILITY EXPO



## HOURS

Thursday - 9:30 am - 4 pm  
 Friday - 9:30 am - 3 pm

- Indicates Booth
- ★ Indicates Poster

# Greening The Conference

AASHE and ASU have taken measures to promote green practices at the AASHE 2006 conference. Environmentally responsible practices have been incorporated in planning and implementing conference materials, lodging, transportation, food services, and waste management. Not only do these greening efforts minimize the environmental impact of the conference, but they provide leadership and guidance for ASU and other universities, institutions, and individuals as they move toward a more sustainable future.

## **Conference Materials**

- All conference materials, including the program, are printed on 30% post-consumer recycled paper.
- Signs and displays for the Sustainability Expo are being reused from previous events whenever possible. New signs are being created so that they may be reused at future events.

## **Lodging**

- Conference hotels were selected on the basis of their proximity to the ASU campus. All hotels are within easy walking distance of the conference, local events, and attractions.
- Each conference hotel participates in environmentally responsible programs, e.g., of which reusing of linens and towels instead of daily laundering, recycling hotel waste materials, using of energy- and water-conserving fixtures, and minimizing of disposable toiletries in guest rooms.

## **Transportation**

- All conference participants are being encouraged to use public transportation, walk, or bike between conference events and hotels. Public transportation options include the Tempe FLASH service and the municipal bus system.
- The ASU Bike Co-op program will have 10-20 bicycles available free-of-charge to attendees.

## **Climate Neutral Conference**

- All greenhouse gas emissions generated by conference activities are being offset through generous donations by Sterling Planet, Climate Trust, and The Conservation Fund. These offsets include Renewable Energy Credits (RECs) equal to 50 tons of carbon donated by Sterling Planet to offset electricity used at the conference, and 100 tons of carbon offsets from Climate Trust and 225 tons from The Conservation Fund to offset CO<sub>2</sub> emission used by conference participants in getting to and from the conference.

## **Food Service**

- Attendees are encouraged to bring their own water bottles and coffee mugs to minimize the use of disposable items.
- Where possible, disposable items used during coffee breaks are created from recycled materials.
- All food preparation waste from the dinner and awards ceremony will be composted by a local composting company.

## **Waste Management**

- Recycling bins will be available throughout the conference, expo and student fair.
- All recyclable material from the conference will be recycled by the City of Tempe.

# Thanks AASHE Members!

AASHE members include campuses from Canada and the U.S. that are working to advance sustainability. In addition, businesses and NGOs participate as partner members. Dues support core operations, enabling AASHE to provide a wide range of services and resources to better serve our membership. We thank our members for their support.

## Four Year and Graduate Institutions

Allegheny College - Meadville, PA  
American University - Washington, DC  
Antioch University Seattle - Seattle, WA  
Arizona State University - Tempe, AZ  
Auburn University - Auburn, AL  
Bainbridge Graduate Institute - Bainbridge Island, WA  
Ball State University - Muncie, IN  
Bates College - Lewiston, ME  
Bemidji State University - Bemidji, MN  
Berea College - Berea, KY  
Boise State University - Boise, ID  
Bridgewater State College - Bridgewater, MA  
British Columbia Institute of Technology - Burnaby, BC  
Bucknell University - Lewisburg, PA  
California Polytechnic State University - San Luis Obispo, CA  
California State University, Chico - Chico, CA  
Carleton College - Northfield, MN  
Carnegie Mellon University - Pittsburgh, PA  
Coastal Carolina University - Conway, SC  
College of the Atlantic - Bar Harbor, ME  
Colorado State University - Fort Collins, CO  
Columbia University - New York, NY  
Cornell University - Ithaca, NY  
Dartmouth College - Hanover, NH  
Duke University - Durham, NC  
Eastern Connecticut State University - Willimantic, CT  
Emory University - Atlanta, GA  
Furman University - Greenville, SC  
Grand Valley State University - Allendale, MI  
Green Mountain College - Poultney, VT  
Gustavus Adolphus College - Saint Peter, MN  
Hartwick College - Oneonta, NY  
Humboldt State University - Arcata, CA  
Idaho State University - Pocatello, ID  
Iowa State University - Ames, IA  
Ithaca College - Ithaca, NY  
LaGrange College - LaGrange, GA  
Massachusetts Institute of Technology - Cambridge, MA  
Menlo College - Atherton, CA  
Michigan State University - East Lansing, MI  
Michigan Technological University - Houghton, MI  
Middlebury College - Middlebury, VT  
Mills College - Oakland, CA  
New College of California - San Francisco, CA  
North Carolina State University - Raleigh, NC  
Northern Arizona University - Flagstaff, AZ  
Oberlin College - Oberlin, OH  
Occidental College - Los Angeles, CA  
Pacific Lutheran University - Tacoma, WA  
Point Loma Nazarene University - San Diego, CA  
Pratt Institute - Brooklyn, NY  
Prescott College - Prescott, AZ  
Presidio School of Management - San Francisco, CA  
Princeton University - Princeton, NJ  
Randolph-Macon Woman's College - Lynchburg, VA  
Reed College - Portland, OR  
Rice University - Houston, TX  
Rockefeller University - New York, NY  
Saint Mary's College of California - Moraga, CA  
San Diego State University - San Diego, CA  
San José State University - San José, CA  
Santa Clara University - Santa Clara, CA  
Seattle University - Seattle, WA  
Smith College - Northampton, MA  
St. Olaf College - Northfield, MN  
Sterling College - Craftsbury Common, VT  
The Evergreen State College - Olympia, WA  
Unity College - Unity, ME  
University at Buffalo - Buffalo, NY  
University of Alaska Anchorage - Anchorage, AK  
University of Alaska Fairbanks - Fairbanks, AK  
University of Alberta - Edmonton, AB  
University of Arizona - Tucson, AZ  
University of British Columbia - Vancouver, BC  
University of Calgary - Calgary, AB  
University of California, Berkeley - Berkeley, CA  
University of California, Davis - Davis, CA  
University of California, Los Angeles - Los Angeles, CA  
University of California, Merced - Merced, CA  
University of California, Riverside - Riverside, CA  
University of California, San Diego - San Diego, CA  
University of Colorado at Boulder - Boulder, CO  
University of Colorado at Colorado Springs - CO  
University of Florida - Gainesville, FL  
University of Hawai'i at Manoa - Honolulu, HI  
University of Idaho - Moscow, ID  
University of Maryland - College Park, MD  
University of Minnesota, Morris - Morris, MN  
University of Montana - Missoula, MT  
University of Nevada, Reno - Reno, NV  
University of North Carolina at Chapel Hill - NC  
University of Puget Sound - Tacoma, WA  
University of Redlands - Redlands, CA  
University of Rhode Island - Kingston, RI  
University of Rochester - Rochester, NY  
University of Saskatchewan - Saskatoon, SK  
University of South Carolina - Columbia, SC  
University of Texas at Austin - Austin, TX

# Thanks AASHE Members!

University of Vermont - Burlington, VT  
University of Victoria - Victoria, BC  
University of Washington, Seattle - Seattle, WA  
University of Washington, Tacoma - Tacoma, WA  
University of Wisconsin-River Falls - River Falls, WI  
Vanderbilt University - Nashville, TN  
Vermont Technical College - Randolph Center, VT  
Wagner College - Staten Island, NY  
Warren Wilson College - Asheville, NC  
Washington State University - Pullman, WA  
West Chester University of Pennsylvania - West Chester, PA  
Western Washington University - Bellingham, WA  
Western Illinois University - Macomb, IL  
Willamette University - Salem, OR  
York University - Toronto, ON

## **Two-Year Institutions and Community Colleges**

Broward Community College - Fort Lauderdale, FL  
Chandler-Gilbert Community College - Chandler, AZ  
City College of San Francisco - San Francisco, CA  
East Los Angeles College - Monterey Park, CA  
Ecosa Institute - Prescott, AZ  
Edmonds Community College - Lynnwood, WA  
Front Range Community College - Westminster, CO  
Grand Rapids Community College - Grand Rapids, MI  
Green River Community College - Auburn, WA  
Harford Community College - Bel Air, MD  
Howard Community College - Columbia, MD  
Lane Community College - Eugene, OR  
Los Angeles City College - Los Angeles, CA  
Los Angeles Harbor College - Wilmington, CA  
Los Angeles Mission College - Sylmar, CA  
Los Angeles Southwest College - Los Angeles, CA  
Los Angeles Trade Technical College - Los Angeles, CA  
Los Angeles Valley College - Valley Glen, CA  
Manchester Community College - Manchester, CT  
Milwaukee Area Technical College - Milwaukee, WI  
Northwest State Community College - Archbold, OH  
Oakland Community College - Bloomfield Hills, MI  
Ohlone College - Fremont, CA  
Pierce College - Woodland Hills, CA  
Portland Community College - Rock Creek Campus - OR  
Red River College - Winnipeg, MB  
Santa Barbara City College - Santa Barbara, CA  
Spokane Community College - Spokane, WA  
Spokane Falls Community College - Spokane, WA  
West Los Angeles College - Culver City, CA

## **System Offices**

Los Angeles Community College District  
University of California Office of the President

## **Businesses**

Aramark  
BuildingGreen, Inc.  
Interface Engineering  
Interface Flooring

LPA, Inc  
Mithun Architects+Designers+Planners  
PortionPac Chemical Corporation  
Portland General Electric  
Powersmiths International Corps.  
Sasaki Associates, Inc.  
Saucier + Flynn Landscape Architects  
Sterling Planet  
The Stone House Group  
Verdiem Corporation  
Zimmer Gunsul Frasca Partnership

## **NGOs/Government Agencies**

Alliance to Save Energy  
American Association of State Colleges and Universities  
Campus Consortium for Environmental Excellence  
Idaho GEMStars  
International Sustainable Development Studies Institute  
Living Routes Ecovillage Education  
National Association of College and University Business Officers  
National Wildlife Federation  
Net Impact  
New Jersey Higher Education Partnership for Sustainability  
Second Nature, Inc.  
Sierra Youth Coalition  
Solar Living Institute  
Strategic Energy Innovations  
Society for College and University Planning  
Sustainable Endowments Institute

## **K-12 Institutions**

Upper Canada College - Toronto, ON

# Acknowledgements

A very special thanks to all who helped put this conference together. It took many, many volunteer hours over several months, representing an enormous collaborative effort. Particular thanks to the ASU team!

## **Steering Committee**

James Buizer (co-chair) – Arizona State University  
Anthony Cortese (co-chair) – Second Nature, Inc.  
Terry Calhoun – Society for College and University  
Planning/ University of Michigan  
David Pijawka – Arizona State University  
Charles Redman – Arizona State University  
Leith Sharp – Harvard University  
Sheri Tonn – Pacific Lutheran University  
Judy Walton – AASHE  
Bonny Bentzin – Arizona State University

## **Advisory**

Robert Koester – Ball State University  
Steven Kolmes – University of Portland

## **Program Committee**

Judy Walton (chair) – AASHE  
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Kathy Benton – Society for College and University  
Planning  
Bonny Bentzin – Arizona State University  
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Yolanda Moses – University of California, Riverside

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Debra Rowe – US Partnership for Education for  
Sustainable Development  
Brenda Shears – Arizona State University  
Matt St. Clair – University of California Office of the  
President  
Jerry Yudelson – Greenway Consulting Group, LLC

## **Local Arrangements Committee**

### **(Arizona State University)**

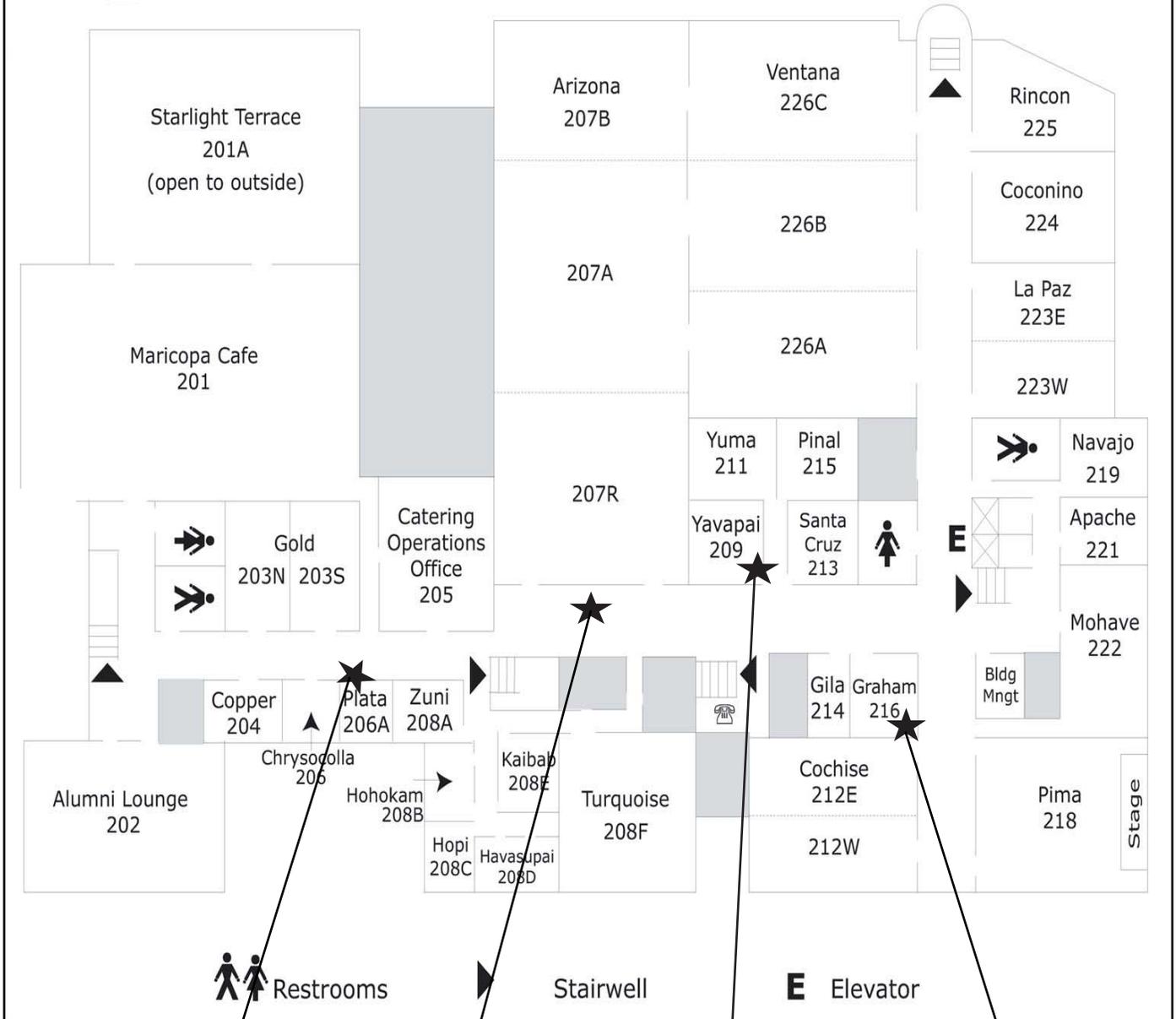
Bonny Bentzin (chair) – ASU  
Callie Babbit – ASU  
JoLeen Gonzales – ASU  
Rod Groff – ASU  
Joan Langdon – ASU  
Catherine Mohin – ASU  
Robert Ott – ASU  
Polly Pinney – ASU  
Michele Roy – ASU  
Gina Webber – ASU  
Jenny Yi – ASU

## **AASHE Conference Staff**

Tyler Brandenburg – General Support  
Julian Dautremont-Smith – Awards, Publicity, and  
Technical Support  
Stephen Frenkel – Registration and Program  
Britt Kimball – Exhibitors and Sponsors

# Memorial Union

## 2ND LEVEL MAP

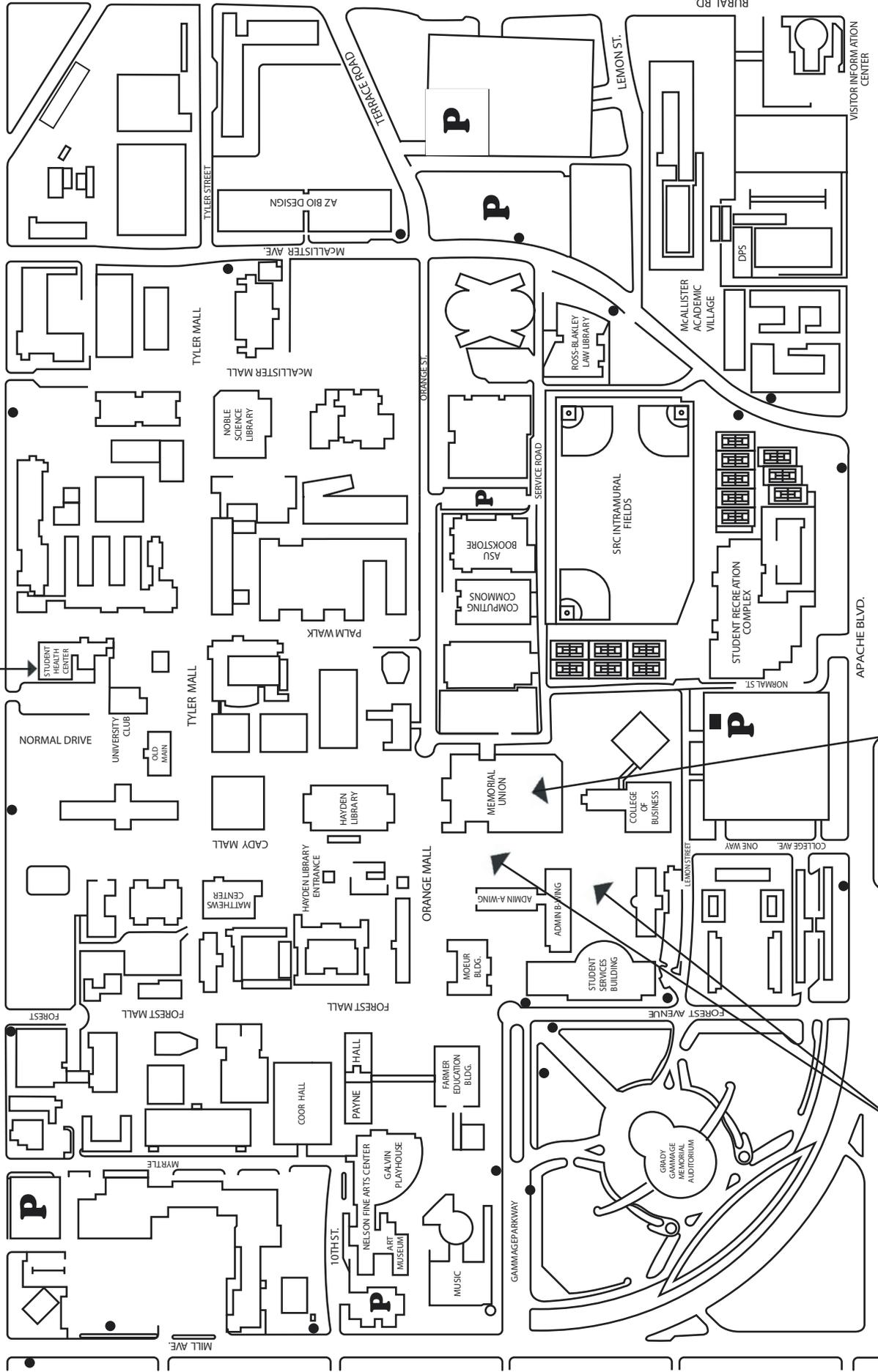


**Tech Center**  
Plata 206A  
Thursday & Friday.....9am - 5pm

**REGISTRATION**  
MU Outside Arizona Room  
Wednesday.....6pm - 8pm  
Thursday.....8am- 6pm  
Friday.....7:30am - 3pm

**Command Center**  
Yavapai 209  
Thursday & Friday.....7am - 6pm

**BUSINESS CENTER**  
Graham 216  
Thursday.....7:30am - 6pm  
Friday.....7:30am - 5pm



Student Health Center

MEMORIAL UNION Registration Sessions

LAWN Sustainability Expo Poster Display