

# Concurrent Sessions

Friday, October 22

Session A (11:00-12:30)

## Papers

### **A1 Sustainability in Business Education Rm 006**

*Chair: Susan Marcus, Portland State University.*

11:30 Inventing a Sustainable Business: Key Skills Necessary for Implementing HP's Environmental Strategy

*Kathy Brewer, Supplies Environmental and Regulatory Management, Hewlett-Packard Company.*

12:00 Sustainability through the Back Door: Initiating and Ingratiating a Sustainability Perspective into the MBA Program

*Priscilla Reis, College of Business, Idaho State University.*

12:30 Planting Seeds of Change through the Next Generation of Business Leaders: Sustainability in the Business School Curriculum

*Susan E. Marcus, School of Business, Portland State Univ.*

### **A2 Greening Engineering & Science Rm 015**

*Chair: Tony Boydell, Royal Roads University.*

11:30 Green Optimism in Santa Cruz

*Ben Crow, Associate Professor, Sociology, University of California Santa Cruz.*

12:00 Embedding Sustainable Thinking Into Curricula: Practicable Steps from An Engineering Perspective

*Linda Vanasupa, Materials Engineering Department, California Polytechnic State University, San Luis Obispo.*

*Frank G. Splitt, McCormick School of Engineering and Applied Science, Northwestern University.*

12:30 Development of a University-wide Environmental Management System as a Learning Experience in an Undergraduate Environmental Science Program

*Tony Boydell, Dean, Science, Technology & Environment, Royal Roads University.*

### **A3 Community Outreach & Education Rm 026**

*Chair: Viviane Simon-Brown, Oregon State University.*

11:30 Forestry Images, Forestry Issues: Art as a Catalyst for Public Dialogue

*Brad Withrow-Robinson, Extension Forester in Polk, Marion and Yamhill Counties, Oregon State University.*

12:00 A Landscape for Learning: The Rain Bird Ethnobotany Learning Center and Sustainable Education

*Gerald Taylor, Assistant Professor, Department of Landscape Architecture, California State Polytechnic University, Pomona.*

12:30 The Center for Economic and Environmental Development: Teaching Sustainability to Northwest Pennsylvania

*Kery Bakken, Assist. Professor, English, Allegheny College.*

*Co-author: Eric Pallant, Professor, Environmental Science, and Director, Center of Economic & Environmental Development (CEED), Allegheny College.*

### **A4 Green Operations & Building Rm 234**

*Chair: Margaret Hogan, University of Portland.*

11:30 Lessons Learned from the Northland College Environmental Living & Learning Center

*James Brew, Vice President, LHB Inc.*

12:00 Integrated Pest Management at CU Boulder: A Model for Student Research Projects on Safe and Effective Pest Control

*Edward von Bleichert, University of Colorado, Boulder.*

12:30 Is Recycling E-Waste Sustainable?

*Mark Maguire, Environmental Health and Safety, University of Oregon.*

*Nick Williams, Environmental Manager, Environmental Health and Safety, University of Oregon.*

### **A5 Establishing Environmental Centers Rm 206**

*Chair: Ghita Carroll, University of Colorado.*

11:30 The Great Northern Way Campus: Sustainability Education for an Inner-City, Inter-Institutional Collaboration

*Meg Holden, Assistant Professor, Urban Studies and Geography, Simon Fraser University.*

12:00 Establishing a Student Environmental Center at the University of Texas at Austin

*Corinna Kester, Founder, Campus Environmental Center, University of Texas at Austin.*

12:30 The Environmental Center at CU Boulder: A Model for Student-Initiated Sustainability Programs

*Suzanne Tegen, PhD Candidate, Environmental Studies, and Co-chair, Environmental Center Board, Univ. of Colorado.*

### **A6 Rewarding Sustainability: Competitions and Awards Rm 214**

*Chair: Julie Zimmerman, EPA.*

11:30 EPA's P3 Award: A National Student Design Competition for Sustainability

*Julie Zimmerman, Engineer, Office of Research and Development, Environmental Protection Agency.*

12:00 Solar Decathlon as Teaching Method: A Hands-On Case Study in Progress

*Sandy Stannard, Assistant Professor, Architecture Department, California Polytechnic State University.*

# Concurrent Sessions

Friday, October 22 (-cont.)

**A7 Rethinking the University: Governance for a Sustainable Future Rm 223**

*Chair: Marcus Ford, Northern Arizona University.*

11:30 Governance: Neglected Foundations of University Sustainability

*Michael M'Gonigle, Eco-Research Professor, Environmental Law and Policy, and Director, POLIS Project on Ecological Governance, University of Victoria.*

*Justine Cara Starke, Research Associate, POLIS Project on Ecological Governance, and Masters Candidate, School of Community and Regional Planning, Univ. of British Columbia.*

12:00 Centers of Excellence or Academic Enigmas? A Discussion of the Pros and Cons of Establishing Applied Departments of Environmental/Conservation Social Science

*Steve Hollenhorst, Professor and Head, Department of Conservation Social Sciences, University of Idaho.*

*William McLaughlin, Professor, Department of Conservation Social Sciences, University of Idaho.*

12:30 Rethinking the University

*Marcus Ford, Environmental Humanities, Northern Arizona University.*

**A8 Implementing Campus Sustainability Rm 231**

*Chair: Robert Schulz, Humboldt State University.*

11:30 A Case Study of a California University that has Instituted Programs of Environmental Sustainability

*Carol Brodie, Graduate Student, Education Administration & Leadership, University of the Pacific.*

12:00 Sustainability and the De-Centralized Campus: Providing Vision, Direction, and Feedback at the University of Oregon

*Steve Mital, Campus Sustainability Assistant, Environmental Studies, University of Oregon.*

12:30 Stepping Stones to Sustainable Campus Operations

*Freda Pagani, Director, Campus Sustainability Office, University of British Columbia.*

**A9 Sustainability & Curriculum: Getting Programs Off the Ground Rm 034**

*Chair: Joan Marie, Virginia Tech.*

11:30 A Curriculum for Implementing Sustainability Education

*Janet Moore, PhD Candidate, Curriculum Studies, Univ. of British Columbia.*

*George Spiegelman, Director, Environmental Sciences Program, Microbiology Dept., University of British Columbia.*

*Rob VanWynsberghe, Assistant Professor, Institute of Health Promotion and Research, University of British Columbia.*

12:00 Ecovillage-based Education: Combining Theory and Practice in Sustainability Education

*Marc Tobin, Coordinator, Sustainability Education Program, Lost Valley Educational Center.*

12:30 Teaching the Undergraduate Core Curriculum Using the Theme of Earth Sustainability

*Joan Marie, PhD Candidate, Science and Technology Studies, Virginia Tech.*

**A10 Green Building & Design Education Rm 222**

*Chair: Rob Israel, Ecosa Institute*

11:30 New Directions in Education: Using the Building as a Learning Tool

*Rich Franko, AIA, Senior Associate, Institutional, Mithun.*

12:00 Sustainable Design Education: Findings from a Survey of Environmental and Design Education Programs

*Patricia Olson, Architect/Educational Consultant, Sustainable by Design, Prescott, Arizona.*

12:30 Sustainable Design – A New Design Aesthetic?

*Paul Platosh, Chairman, Design Arts Department, Pacific Northwest College of Art.*

## Panels

**A11 Taking Responsibility for the Land and the Sea: A College Foodservice Model for Creating Sustainable Kitchen Practices Rm 217**

*Panel moderator: Sam Currie, District Manager, Bon Appétit Management Company.*

11:30 Operational Strategies for Implementing a Sustainable Food Service Program

*Marc Zammit, Director, Culinary Support and Development, Bon Appétit Management Company.*

Sustainable Agriculture Meets University Food Service

*Scott Exo, Executive Director, Food Alliance.*

Making Environmentally Responsible Seafood Choices: What You Can Do to Support the Sustainable Seafood Movement

*George Leonard, Seafood Watch Science Manager, Monterey Bay Aquarium.*

**A12 Sustainability on Campus: Stories & Strategies for Change (Meet the Authors) Rm 205**

*Panel moderator: Geoffrey Chase, San Diego State Univ.*

11:30 *Peggy Barlett, Professor, Anthropology, Emory University.*

*Nan Jenks-Jay, Director, Environmental Affairs, Middlebury College.*

*Terry Link, Director, Office of Campus Sustainability, Michigan State University.*

*Paul Rowland, Dean, College of Education, Univ. of Montana.*

# Concurrent Sessions

Friday, October 22 (-cont.)

**A13 Sustainable Design for Modest Projects (Boora Architects) Rm 038**

11:30 Nicholson Library and Marshall Theater Building at Linfield College

*John Meadows, Boora Architects.*

Edward F. Stevens Student Services and Administration Building at George Fox University

*Stan Boles, Boora Architects*

Garrison Theater Expansion and Renovation at Scripps College

*Tom Pene, Boora Architects.*

## Workshops

**A14 Mangroversity: Imagining Universities as a Living System: Designing Holistic Learning Experiences using Metaphors of Nature Rm 025**

*Barbara Wildhalm, Rebundance Consulting, Program Developer and Adjunct Faculty, University College, Univ. of New Mexico.*

*Stephanie Gerson, Stanford Alumni in Experience Design, Department of Science, Technology and Society.*

**A15 Living Sustainability: A Whole Scale Change Model Rm 018**

*James Pittman, Student, Ecological Economics, University of Edinburgh.*

Session B (4:00-5:30)

## Papers

**B1 Creating Systemic Plans for a Sustainable Campus Rm 006**

*Chair: James Pittman, University of Edinburgh.*

4:00 Seattle University: A Leader in the Campus Sustainability Movement

*Jennifer A. Kaufman, Environmental Coordinator, Facilities Operations, Seattle University.*

4:30 Making it Systemic: Ensuring Sustainable Development on Campus for the Long Haul

*Nan Jenks-Jay, Director, Environmental Affairs, Middlebury College*

*Connie Leach Bisson, Campus Sustainability Coordinator, Middlebury College.*

5:00 Building a Sustainable Campus from the Ground Up

*Ric Notini, Environmental & Permitting Manager, UC-Merced.*

**B2 Green Building: Making Policy Work Rm 015**

*Chair: Jerry Yudelson, Interface Engineering*

4:00 Sustainable Campus Planning for the 21<sup>st</sup> Century

*Brodie Bain, AIA, AICP, Planning Mithun.*

*Rich Franko, AIA, Senior Associate, Institutional, Mithun.*

4:30 The University of Colorado at Boulder: A Student-Administrative Partnership for Green Building

*Eugene Pearson, Student, University of Colorado.*

5:00 Selling Sustainability to the Students

*Jerry Yudelson, PE, MS, MBA, Sustainability Director and Associate Principal, Interface Engineering Inc.*

**B3 Collaborations Across Campus and Beyond Rm 026**

*Chair: Jean MacGregor, The Evergreen State College.*

4:00 Sustainability & the University: Integrating Research, Education and the Realities of Campus Operations

*Stephen E. Meder, Assistant Professor and Director, Environmental Systems Laboratory, School of Architecture, University of Hawaii.*

4:30 A View from Both Sides of the Pond

*John Blewitt, Director, Department of Lifelong Learning School of Education and Lifelong Learning, University of Exeter, United Kingdom.*

*Co-author: George Smith, Associate Professor, Department of Landscape Architecture, Ball State University.*

5:00 The Green It Up! Project at New College of California

*Laura McKaughan, New College of California*

**B4 Transforming Universities: The Big Picture Rm 034**

*Chair: Mike Pasqualetti, Arizona State University.*

4:00 Defining the Vision for Higher Education: A Whole Systems Evaluation

*Robert Koester, Director, CERES, and Chair, COTE, Ball State University.*

4:30 From Research to Action: The New American University Embraces Sustainability

*James Buizer, Special Advisor to the President and Executive Director, Office of Sustainability Initiatives, Office of the President, Arizona State University.*

*Co-authors: Martin J. "Mike" Pasqualetti, Professor, Geography, Arizona State Univ., and David Pijawka, Director, PhD Program in Environmental Design and Planning ASU.*

5:00 Multi-University Sustainability Benefits & Challenges

*Martin J. "Mike" Pasqualetti, Professor, Department of Geography and Member, Sustainable Operations Committee, Arizona State University.*

*Co-authors: Gary Deason, Associate Director, Center for Sustainable Environments and Convener, Campus Sustainability Steering Committee, Northern Arizona Univ., and James Buizer, Executive Director for Sustainability Initiatives and Special Advisor to the President, ASU.*

# Concurrent Sessions

Friday, October 22 (-cont.)

**B5 Evolving Courses and Curriculum Rm 206**

*Chair: Stanley Keil, Ball State University.*

- 4:00 Sustainability Comes to the Classroom  
*Craig Wittig, Instructor, Center for Environmental Programs, Bowling Green State University.*
- 4:30 Toward a Sustainable Planet: "Ecology and Management," A Place-Based Interdisciplinary College Course  
*Sheridan V. (Dan) Merritt, Professor of Zoology and Environmental Science, Biology Department, Univ. of La Verne.*
- 5:00 The Evolution of an Ecological Economics Course at Ball State University  
*Stanley Keil, Associate Professor, Department of Economics, Ball State University.*

**B6 Alternative Transportation & Fuels Rm 214**

*Chair: Tamar More, University of Portland.*

- 4:00 Bicycle Programs at the University of Colorado  
*Peter Roper, Coordinator, Transportation Programs, Environmental Center, University of Colorado.*
- 4:30 UBC's Biodiesel Project and its Educational Opportunities  
*Naoko Ellis, Assistant Professor, Univ. of British Columbia.*
- 5:00 The Coolest Way to School: Promoting Alternative Transportation on Campus  
*Thor Hinckley, Manager, Renewable Power Program, Portland General Electric.*  
*Alison Wiley, Transportation Options Ambassador, Portland Department of Transportation.*

**B7 International Sustainable Practices Rm 223**

*Chair: Linda Oviedo, Arizona State University.*

- 4:00 The Youth Encounter on Sustainability – a Model for Global Environmental Education  
*Jeffrey I. Steinfeld, Professor of Chemistry, Massachusetts Institute of Technology.*  
*Co-authors: Amanda Graham, Education Program Manager, Laboratory for Energy and Environment, Massachusetts Institute of Technology; and Roger Baud, Executive Director, ETH – Center for Sustainability at ETH Zürich.*
- 4:30 Sustainable Practices: Going International  
*Charles Henry, Senior Lecturer, Environmental Science, University of Washington, Bothell.*
- 5:00 Partnerships for Sustainability in the U.S.-Mexico Border Region  
*Jorge De Los Santos, Staff/Director, Office of the Pan American Initiative, and Special Advisor to the President, Arizona State University.*  
*Linda Oviedo, Special Advisor to the Dean, International Project Development, College of Architecture and Environmental*

*Design and PhD Candidate, Program in Environmental Design and Planning, Arizona State University.*

*David Pijawka, Faculty/Director, PhD Program in Environmental Design and Planning, Arizona State University.*

*Co-author: Francisco Lozano, Faculty, Center for Environmental Quality, Instituto Tecnológico de Estudios Superiores de Monterrey.*

**B8 Sustaining Communities: University Outreach, Education, and Action Rm 231**

*Chair: Jan Semenza, Portland State University.*

- 4:00 Making Sustainable Choices in the Marketplace  
*Terry Link, Director, Office of Campus Sustainability, Michigan State University.*
- 4:30 The Sustainable Living Project at OSU: A Thoughtful Approach to Intelligent Consumer Decisions  
*Viviane Simon-Brown, Sustainable Living Coordinator, Extension Forestry, Oregon State University.*
- 5:00 Service Learning and Sustainable Development  
*Jan C. Semenza, Associate Professor, School of Community Health, Portland State University.*  
*Co-authors: Tanya March, Graduate Student, School of Urban Studies & Planning, Portland State Univ., and Brian Bontempo, Principal, Mountain Measurements, Inc., Portland.*

## Panels

**B9 Recycling Operations: Nuts & Bolts, Dollars & Sense Rm 234**

*Panel moderator: Jack DeBell, Univ. of Colorado at Boulder.*

- 4:00 Justifying Recycling in the Face of Budget Cuts: Humboldt State University Case Study  
*Alec Cooley, Solid Waste Reduction Manager, Plant Operations, Humboldt State University.*
- Resource Management: Putting Your Money Where Your Waste Isn't  
*Michele Crim, Sustainability Coordinator, Portland State University.*
- Thriving in Difficult Times  
*Jack DeBell, Director, CU Recycling Services, University of Colorado at Boulder.*

**B10 Taking Next Steps at Business Schools Rm 222**

*Panel moderator: Mike Russo, University of Oregon.*

- 4:00 Ten Years of Classroom Experience: What Have We Learned?  
*Mike Russo, Professor, Management, Lundquist College of Business, University of Oregon.*
- Integrating Sustainability into the Undergraduate Business Curriculum  
*Mark Pagell, Associate Professor, Management, and Director, Sustainable Business Initiative, College of Business, Oregon State University.*

# Concurrent Sessions

## Friday, October 22 (-cont.)

Global Business and Sustainability: An Option for Master of International Management Students

*Scott Marshall, Assistant Professor, Management, School of Business Administration, Portland State University.*

Core Sustainability Concepts for Business Professionals

*Kathy Brewer, Product Steward, Supplies Environmental and Regulatory Management, Hewlett-Packard Company.*

**B11 Teaching Sustainability: A Decade of Lessons Learned in the College of Architecture and Environmental Design at Cal Poly-San Luis Obispo Rm 217**

*Panel moderator: Paul Wack, Cal Poly-San Luis Obispo.*

4:00 EDES 406: Sustainable Environments: An Interdisciplinary Overview

*Paul Wack, Associate Professor, City and Regional Planning, Cal Poly-San Luis Obispo.*

EDES 408: Implementing Sustainable Principles

*Jonathan Reich, Associate Professor, Architecture Department, Cal Poly-San Luis Obispo.*

SEDE: A Model for Post-secondary Sustainable Environmental Design Education

*Margot McDonald, Professor, Architecture Department, Cal Poly-San Luis Obispo.*

## Workshops

**B12 Greening the Ivory Towers: Academia to Action! Rm 205**

*Geneva Guerin, National Coordinator, Sustainable Campuses Project, Sierra Youth Coalition.*

*Melissa Garcia Lamarca, Sustainability Coordinator, Concordia University.*

**B13 Learning Bio-Cultural Sustainability: The Portland International Initiative for Leadership in Ecology, Culture and Learning (PIIECL) Multi-Media Presentation Rm 038**

*Pramod Parajuli, Associate Professor and Executive Director, PIIECL, Graduate School of Education and Hatfield School of Government, Portland State University.*

*Ariana Kramer, Masters Student, Leadership in Ecology, Culture and Learning, Portland State University.*

*Jason Schmidt, Masters Student, Leadership in Ecology, Culture and Learning, Portland State University.*

**B14 Developing a Sustainable Building Program Based on the LEED® for Existing Buildings Rating System Rm 005**

*Tia Heneghan, Sustainable Engineer, Sebesta Blomberg & Associates, Inc.*

*Rick Woodward, Corporate Director of Sustainability, Coastwide Laboratories.*

# Concurrent Sessions

Saturday, October 23

Session C (10:00–11:30)

## Papers

- C1 The Critical Role of Students in Campus Initiatives and Collaborations Rm 006**  
*Chair: Elizabeth Davey, Tulane University.*
- 10:00 Fostering Campus Stewardship by Integrating Sustainability within a University's Existing Socio-cultural Matrix: A Student's Learning Experience  
*Alice Miro, Student Team Leader, Campus Sustainability Office, University of British Columbia.*
- 10:30 Clean Energy Now and Generation Green: Effective Energy Programs at the Univ. of Colorado, Boulder  
*Ghita Carroll Levenstein, Program Coordinator, Environmental Center, and Student, Environmental Studies, University of Colorado at Boulder.*
- 11:30 Student Sustainability Teams: Between Student Organization and Work Study  
*Elizabeth Davey, Tulane University.*
- C2 New Directions in Teaching Rm 015**  
*Chair: Russell Butkus, University of Portland.*
- 10:00 A Model for Inter-disciplinary Upper-Division Education in Sustainability  
*Jonathan Reich, Associate Professor, Architecture, Cal Poly San Luis Obispo.*
- 10:30 Designing Complexity -- A New Curriculum for Sustainability  
*Antony Brown, Director, Ecosa Institute*
- 11:00 Social and Environmental Responsibility in Design, Architecture and Planning  
*Kevin Parkhurst, Associate, Eric Lloyd Wright and Associates; President, Design Integration Group; and Executive Director, Wright Organic Resource Center.*
- C3 Student-Led Efforts in Greening Campus and Curriculum Rm 026**  
*Chair: Adam Briggie, University of Colorado.*
- 10:00 Creating H.O.P.E.S. and Changing the Future: Student Organized Design Education  
*Jonathan Cook, MArch candidate, Ecological Design Center, School of Architecture and Allied Arts, University of Oregon.*  
*Chris Chatto, MArch candidate, Ecological Design Center, School of Architecture and Allied Arts, University of Oregon.*
- 10:30 Accomplishments of SEAS for School Year 2003-2004  
*Lisa LaForge, President, SEAS (Students for Environmental Awareness and Sustainability), University of Colorado, Colorado Springs.*
- 11:00 100% Post-Consumer Waste Recycled Paper Procurement at University of Wisconsin-Stevens Point: Lessons Learned  
*Carly Voight, Assistant Ecologist, New York Natural Heritage Program, The Nature Conservancy.*
- C4 Campus-Community Interactions Rm 034**  
*Chair: Greg Peterson, Arizona State University.*
- 10:00 Urban Agriculture and the Integration of Food into Everyday Landscapes  
*Greg Peterson, Graduate Student, College of Architecture and Environmental Design, Arizona State University.*
- 10:30 College & University Endowments & Pension Funds: Aiding Distressed Urban Areas While Enhancing the Environment & Building Social Capital  
*Rex LaMore, State Director, Community and Economic Development Program, Michigan State University.*  
*Terry Link, Director, Office of Campus Sustainability, Michigan State University.*
- C5 Philosophical Underpinnings of a Sustainable Campus Rm 206**  
*Chair:*
- 10:00 Connecting the Dots: Growing an Ecologically Mindful Living and Learning Environment  
*Chair: Patricia Kenney, Michigan State University.*  
*Patricia Kenney, Academic Learning Coordinator, Liberty Hyde Bailey Scholars Program, College of Agriculture and Natural Resources, Michigan State University.*  
*Katie L. Clark, Residential Initiative for the Study of the Environment, College of Social Science, Michigan State Univ.*  
*Co-authors: Frank A. Fear, Professor, Community, Agriculture Recreation and Resource Studies, Michigan State University; Terry P. Link, Director, Office for Campus Sustainability, Michigan State University; and Laurie G. Thorp, Coordinator, Residential Initiative for the Study of the Environment, Michigan State University.*
- 10:30 Sustainability at Lane Community College: A Vision to Integrate Instruction, College Operations and Economic Development  
*Sonya Christian, Associate Vice President, Instruction, Lane Community College.*  
*Marie Matsen, Vice President, College Operations, Lane Community College.*  
*Co-author: Roger Ebbage, Faculty, Energy Management Program, Lane Community College.*
- 11:00 Working Hands, Working Minds: A Model for Higher Ecological Education  
*Christina Erickson, Sustainability Coordinator and Faculty Member, Sterling College.*

# Concurrent Sessions

Saturday, October 22 (-cont.)

**C6 Research, Assessment, and Collaboration to Advance Campus Sustainability Rm 214**

*Chair: Elizabeth MacNabb, Associated Colleges of the South.*

10:00 Campus Sustainability Assessment: The Experience of UNC-Greensboro

*Joshua Skov, Research Director, Good Company.*

*Tavey A. McDaniel, UNC-Greensboro.*

10:30 Walking The Talk: Building Academic, Research and Student Support for Campus Operations

*Erik Larson, Senior Engineer, Facilities Management, University of Minnesota Duluth.*

*Candice Richards, Associate Director, Facilities Management, University of Minnesota Duluth.*

11:00 How Associations are Defining the Sustainability Vision for Higher Education Professionals

*Terry Calhoun, Director of Communications and Publications, Society for College and University Planning*

**C7 Greening Campus Operations Rm 223**

*Chair: Julian Dautremont-Smith.*

10:00 Local, Organic, Socially Just, and Fair Trade Food Coming to UC Santa Cruz Dining Halls in 2004/05: Student Led Organizing and Dining Hall Food

*Linda Wallace, Graduate Student, Sociology, University of California, Santa Cruz.*

10:30 Bridging the Academic-Administration Divide: Collaboration in Campus Sustainability Efforts between Staff, Students, and Faculty at University of California at Berkeley

*Lisa Bauer, Manager, Campus Recycling and Refuse Services, Physical Plant-Campus Services, UC Berkeley.*

11:00 Green Power Purchasing in the Dorms: An Easy Way for Campuses to Increase Renewable Energy Consumption

*Laura Matson, Student, Lewis & Clark College.*

*Julian Dautremont-Smith, Fulbright Scholar.*

**C8 Economics of Sustainable Operations Rm 231**

*Chair: Ric O'Connell, University of Colorado.*

10:00 Understanding How Sustainable Practices Save the Planet and the Pocketbook

*Anne Eskridge, Manager, Property and Transport Services, University of Washington,*

*Co-author: Ari Kasapyan, Public Information Specialist, Property and Transport Services, University of Washington.*

10:30 Best Practices for Energy Management in Facilities  
*Aurel Selezeanu, Assistant Director, Facilities Management, Duke University.*

11:00 Green Investment/Green Return: Measuring Sustainability at the University of Colorado

*Ric O'Connell, Master's Student, Department of Environmental Studies, University of Colorado at Boulder.*

*Co-author: Will Toor, Director, CU Environmental Center, University of Colorado at Boulder.*

**C9 Innovative Ideas & Techniques for Teaching Sustainability Rm 234**

*Chair: Sue Koger, Willamette University.*

10:00 Using Student Elections to Promote Campus Sustainability at CSU Chico

*Mark Stenen, Coordinator, Environmental Studies Program, California State University, Chico.*

10:30 A Course Called Computers, Cultural Diversity, and Globalization

*Maggie McBride, Associate Professor, Mathematics, Montana State University-Billings.*

## Panels

**C10 Making Sustainability a Campus Priority: Developing a Culture of Sustainability at Pacific Lutheran University Rm 222**

*Panel moderator: Charles Bergman, Professor and Chair of the Faculty, English, Pacific Lutheran University.*

10:00 Engaging Senior Administration in Fostering a Culture of Sustainability

*Sheri Tomn, Professor, Chemistry, and Vice President, Finance and Operations, Pacific Lutheran University.*

From Learning to Living: Incorporating Campus Sustainability into the Curriculum

*Rose McKenney, Assistant Professor, Environmental Studies and Geosciences, Pacific Lutheran University.*

The Student Body and the Vision of a Sustainable Campus

*Joel Zylstra, President, Associated Students, and Student, Environmental Studies, Pacific Lutheran University*

Student Activism and the Tapping of Student Power

*Kelly Fahl, Campus Sustainability Fellow 2004, and Student, Environmental Studies, Pacific Lutheran University.*

Making Operations Green from the Inside Out

*David Kohler, Director, Facilities Management, Pacific Lutheran University.*

# Concurrent Sessions

Saturday, October 23 (-cont.)

- C11 Design/Build as an Innovative Procurement Approach for Sustainable Facilities Rm 217**
- 10:00 How Does a University Buy a Green Building? Lessons Learned from California State University's First LEED Gold Building  
*Panel moderator: G Z Brown, University of Oregon.  
 Nels Hall, Principal, Yost Grube Hall Architects.  
 Ken Maheu, Senior Vice President and Division Manager, Swinerton Builders.  
 Omid Nabipoor, President, Interface Engineering  
 Robert Schulz, Director, Facilities Management, Humboldt State University.*
- C12 Education for Biocultural Diversity and Sustainability Rm 205**
- Panel moderator: Pramod Parajuli, Portland State Univ.*
- 10:00 Native America, A Sustainable Culture  
*Judy Bluehorse Skelton, Educator, Portland Public Schools Title VII Indian Education Program, and National College of Natural Medicine.*
- Rethinking Globalization, Education & Resistance  
*Chet Bowers, Adjunct Professor, Environmental Studies, University of Oregon.*
- Portland's Environmental School: Inducting Children into Place  
*Sarah Taylor, Principal, Environmental School, Portland Public Schools.*
- Learning within the Earth Household: Biocultural Diversities and Curricular Innovations  
*Pramod Parajuli, Associate Professor, PIIECL, Graduate School of Education and Hatfield School of Government, Portland State University.*
- C13 On-Campus Sustainable Living Programs. Models for Making It Happen Rm 038**
- Panel moderator: Garrett McSorley, Humboldt State Univ.*
- 10:00 Sustainability: Learning by Doing  
*Elizabeth Kimbrough, Humboldt State University.  
 Garrett McSorley, Humboldt State University.  
 Jeffrey Adams, Humboldt State University.*
- Administrivia: Seeking Sustainability in Sustainability Projects  
*James Hiebert, University of Oregon.  
 Sebastian Collet, University of Oregon.*
- The SENS House: A Student Labor Program to Teach and Promote Sustainability  
*Kati Maginel, Berea College.  
 Megan Naseman, Berea College.*

Workshops

- C14 Venues for Complex Learning: "Learning Community" Curricula that Address Sustainability Rm 025**
- Robert Cole, Faculty, Environmental Studies, The Evergreen State College.  
 Jean MacGregor, Senior Scholar, Washington Center for Improving the Quality of Undergraduate Education, The Evergreen State College.  
 Nancy A. Parkes, Faculty, Environmental Studies, The Evergreen State College.  
 Martha Rosemeyer, Faculty, Environmental Studies, The Evergreen State College.*
- C15 Ecovillages as "Campuses" for Sustainability Education Rm 018**
- Gregg Orifici, Admissions Director, Living Routes Study Abroad in Ecovillages.*

Session D (2:15-3:45)

Papers

- D1 Philosophical Inquiries into the Meaning of Sustainability Rm 006**
- Chair: Margaret Hogan, University of Portland.*
- 2:15 Mythic Transitions and the Concerns of Sustainability: A Proposal for Higher Education in the 21st Century  
*Fernando Agudelo-Silva, Professor, Science, Health, and Living Systems, John F. Kennedy University.  
 Bill Garrett, Professor, Philosophy and Religion, John F. Kennedy University.*
- 2:45 Sustainability as a Human Science  
*Adam Briggie, Graduate Student, Environmental Studies, University of Colorado.*
- 3:15 Biblical Ethics and the Horizon of Sustainability  
*Russell A. Butkus, Associate Director, Environmental Studies, Department of Theology, University of Portland.  
 Carol J. Dempsey, Associate Professor, Biblical Studies, Department of Theology, University of Portland.*
- D2 Greening Student Housing Rm 015**
- Chair: Jerry Yudelson, Interface Engineering*
- 2:15 Sustainable Campus: New Choices in Housing  
*Ron Van der Veen, AIA, Principal, Institutional, Mithun.*
- 2:45 A First Year Evaluation of a New LEED-Certified Residence Hall  
*Catherine Turner, Graduate Student, Environmental Science and Resources, Portland State University.*
- 3:15 Summary of Oregon Institute of Technology Project  
*Dan Danielson, Managing Partner, Soderstrom Arch., PC.  
 Mike Hatten, SOLARC Architecture & Engineering, Inc.*

# Concurrent Sessions

Saturday, October 23 (-cont.)

**D3 Energy: Training Students & Campus Employees for the Future Rm 026**

*Chair: Mark Swanson, University of Washington.*

2:15 Energy Management Certification: A Place to begin Your Campus Sustainability Program  
*Roger Ebbage, Director, Northwest Energy Education Institute, Lane Community College.*

2:45 Renewable Energy, Higher Education, and Fuel Cells in the UK  
*Tony Marmont, Visiting Professor, De Montfort University, Leicester, and Special Professor, Renewable Energy, University of Nottingham.*

**D4 The Power of One: Student-Initiated Efforts to Advance Sustainability Rm 034**

*Chair: Julia Levy, Fort Lewis College.*

2:15 Working Together to Achieve Sustainability: Collaborative Purchasing of 100% Post-Consumer Recycled Paper Among Private Colleges in the Portland Metropolitan Area  
*Cheyenne Glasgow, Intern, Education for Sustainability Western Network.*

2:45 Seattle University's Environmental Advisory Council: From Revelation to Reality  
*Kevin Uhl, Student, Environmental Studies, Seattle Univ.*

3:15 Introducing Higher Education to the Future  
*Julia Levy, Student, Political Science/Environmental Policy, Fort Lewis College.*

**D5 Using Ecological Footprint Analysis Rm 206**

*Chair: Noelle Studer, EFS West*

2:15 Measuring Institutional Sustainability: A Case Study of Integrating Ecological Footprint Analysis into Curriculum  
*Linda Kogan, Graduate Student, Geography and Environmental Science, Univ. of Colorado at Colorado Springs.*

2:45 Reducing Our Footprint: A Sustainable and Ecological Community-Settlement  
*Fernando Davalos, Student, Master of Education, University of Calgary.*

3:15 Ecological Footprint Analysis: A Tool for Integrating Teaching and Operations on the Sustainable Campus  
*Richard Olson, Director, Sustainability and Environmental Studies Program, Berea College.*  
*Nathan Sivers Boyce, Assistant Professor, Economics, Willamette University.*

**D6 Creating New Sustainability Programs Rm 223**

*Chair: Paul Sneed, Prescott College.*

2:15 Educating Sustainability Professionals: Creation of a Multi-disciplinary Environmental Policy and Planning Degree Program

*Richard C. Rich, Director, Institute for Environmental and Energy Studies, Virginia Tech.*

2:45 Sustainability Education: A New Ph.D. Program for the 21st Century  
*Paul Sneed, Core Faculty, Environmental Studies, Graduate Programs, Prescott College.*

3:15 Designing Education for a Just, Sacred and Sustainable World: New College of California's North Bay Campus of Culture, Ecology and Sustainable Community.  
*Michael McAvoy, Academic Vice President and Founder, New College of California North Bay Campus.*

**D7 Teaching Sustainability: Pedagogical Challenges and Innovations Rm 231**

*Chair: Kate Davies, Antioch University.*

2:15 Hopes, Dreams, and Realities of a Newly Endowed Professorship of Environmental Literacy  
*James C. Pushnik, Rawlins Professor of Environmental Literacy, California State University, Chico.*

2:45 Transformative Learning and the Development of Ecological Worldviews  
*Kate Davies, Core Faculty, Environment and Community, Center for Creative Change, Antioch University Seattle.*

3:15 The Psychology of Sustainability  
*Susan M. Koger, Associate Professor, Psychology Department, Willamette University.*  
*Britain A. Scott, Associate Professor, Psychology Department, and Director of Environmental Studies, Univ. of St. Thomas.*

**D8 Service Learning: From K-12 Outreach to Institutional Change Rm 234**

*Chair: Bethany Van Etten, University of Washington.*

2:15 Earth Education for Children: Connecting College Students with the Local Community  
*Susan Strife, Earth Education Coordinator, Environmental Center, University of Colorado*

2:45 Linking the Leaders: University Students Teach Elementary School Children About Sustainability  
*Vivienne Wilson, Professor and Director, Science Technology and Environment Division, Royal Roads University.*

3:15 Who Says Philosophy Isn't Practical? Campus Operations, Institutional Change, and the Meaning of Life  
*Jennifer Everett, Assistant Professor, Philosophy, Carleton College.*

# Concurrent Sessions

Saturday, October 23 (-cont.)

## Panels

**D9 Sustainable Transportation for Campus Communities Rm 222**

*Panel moderator: Will Toor, University of Colorado.*

2:15 Move UC

*Arthur Coulston, California Student Sustainability Coalition.*

Sustainable Transportation - Applying the Concept to the University of British Columbia

*Gordon Lovegrove, Director of Transportation, University of British Columbia.*

Sustainable Transportation in Boulder, Colorado

*Will Toor, Director, University of Colorado Environmental Center, and Ex-mayor, Boulder, Colorado.*

Using Cost Efficiency to Move Toward more Sustainable Campus Transportation Investment

*Jeff Tumlin, Partner, Nelson/Nygaard Transportation Consultants.*

**D10 Sustainability in the South: One Consortium's Strategy Rm 217**

*Panel moderator: Roald Hazelhoff, Birmingham-Southern Coll.*

2:15 ACS Environmental Initiative Course, "Living In Yucatan"

*Stan Galicki, Assistant Professor, Geology Department, Millsaps College.*

Environmental Initiative Alliance, "Campus as Laboratory for Sustainability"

*Roald Hazelhoff, Director, Southern Environmental Center, Birmingham-Southern College.*

ACS Environmental Initiative Overview

*Elizabeth MacNabb, Director, Environmental Initiative, Associated Colleges of the South (ACS) Consortium.*

**D11 Education for Sustainable Living Program – a Template for Student-Initiated, Interdisciplinary, Experiential Learning Rm 205**

*Panel moderator: Marcia Winslade, University of California Santa Cruz.*

2:15 *Delicia Nahman, Statewide Coordinator, California Student Sustainability Coalition – Education for Sustainable Living Program, Univ. of California Berkeley.*

*Michael Cox, Statewide Coordinator, California Student Sustainability Coalition – Education for Sustainable Living Program, University of California Los Angeles.*

*Marcia Winslade, Statewide Coordinator, California Student Sustainability Coalition, Education for Sustainable Living Program, Univ. of California Santa Cruz.*

**D12 New MBA Programs in Sustainable Business Rm 038**

*Panel moderator: Rich Bunch, Executive Director, Bainbridge Graduate Institute.*

2:15 Changing Business for Good: The MBA in Sustainable Business

*Rick Bunch, Executive Director, Bainbridge Graduate Institute.*

The MBA in Sustainable Management: Educating a New Kind of Business Leader

*Alison Weeks, Dean of Students, Presidio World College.*

The Green MBA Program: Challenges and Opportunities

*Jerrell Ross Richer, MBA Program Coordinator, New College of California.*

## Workshops

**D13 Sustainability Indicators and Assessment: Building Capacity at Your Institution Rm 018**

*Joshua Skov, Research Director, Good Company.*

# Poster Session

Friday, October 22

Session P (5:30 -6:30)

- P1 Humanities Policy: Expanding Knowledge for Decision Making**  
*Adam Briggie, Graduate Student, Environmental Studies, University of Colorado.*
- P2 Strategies of Personnel Management that Encourage a Culture of Change Towards an Environmentally Sustainable University Campus**  
*Carol Brodie, Graduate Student, Education Administration & Leadership, University of the Pacific.*
- P3 Summary of Oregon Institute of Technology Project Sustainability Features**  
*Dan Danielson, Managing Partner, Soderstrom Architects, PC.  
Henry Fitzgibbon, Partner, Soderstrom Architects, PC.  
Mike Hatten, SOLARC Architecture & Engineering Inc.  
Galen B. Ohmart, SOLARC Architecture & Engineering Inc.*
- P4 Computer Life Cycle**  
*John Doucette, Campus Coordinator, Clean Computer Campaign, Silicon Valley Toxics Coalition.*
- P5 Sustainable Educational Environments Created by the Service-Learning Process**  
*Brian Dunbar, Director, Institute for the Built Environment, Colorado State University.  
William Timpson, Director, The Center for Teaching and Learning and Professor, School of Education, Colorado State University.*
- P6 Eco-Design and -Building Schools: A Directory of Educational Opportunities in the US and Canada**  
*Sandra Leibowitz Earley, Principal, Sustainable Design Consulting  
Megan Clark, Research Assistant, Sustainable Design Consulting*
- P7 From Farm to Landfill: Describing the UW Food System**  
*Melissa Frysztacki-Amrhein, Student, Univ. of Wash., Seattle.  
Erin Schau, Student, University of Washington, Seattle.*
- P8 University of Idaho's Student-Run Organic Farm: Growing Sustainability the Old-Fashioned Land-Grant Way**  
*Claudia Hemphill, Environmental Science and Philosophy, University of Idaho.*
- P9 Royal Roads University Highlights Drivers of Campus Sustainability**  
*Rachelle McElroy, Environmental Coordinator, Royal Roads University, Victoria BC.*
- P10 Students As Consultants: Linking Student Skills Development With Community Need at The University of Oregon's Environmental Studies Program**  
*Steve Mital, Service Learning Program Coordinator, Environmental Studies, University of Oregon.*
- P11 Sustainability at The University of Oregon**  
*Steve Mital, Campus Sustainability Assistant, Environmental Studies, University of Oregon.*
- P12 Higher Education: A Vertical Approach for Sustainability Under Global Change**  
*Walter Oechel, Professor of Biology and Director, Global Change Research Group, San Diego State University.  
David Lipson, Assistant Professor of Biology, San Diego State University.  
Irma Olguín, Benthic Ecologist, Centro de Investigaciones Biológicas del Noroeste.  
Bill Eadie, Professor of Communication and Director, School of Communication, San Diego State University.  
Kristen Freeman, Research Manager, Global Change Research Group, San Diego State University.*
- P13 Greening the Big Red: Cornell University Launches Comprehensive Sustainability Initiative**  
*Daniel Roth, M.S. Student in Adult and Extension Education, Cornell University.  
Garrett Meigs, Campus Stewardship Intern, Cornell Univ.*
- P14 The University Center of the San Miguel: A Higher Education and Sustainability Initiative**  
*Sarah Silver, Coordinator, UCSM Initiative and graduate student, Prescott College.*
- P15 Sustainable Practices at Oregon Universities**  
*Robert Simonton, Director of Capital Construction, Planning and Budgeting, Oregon University System.  
Yumei Wang, Geohazards Section Supervisor, Department of Geology and Mineral Industries.  
Beau Dickey, Graphic and Media Developer, Oregon University System.*
- P16 Cancelled**

# Poster Session

Friday, October 22 (-cont.)

**P17 Integrating Sustainable Campus Operations into the M.I.T. Curriculum**

*Jeffrey I. Steinfeld, Department of Chemistry and Laboratory for Energy and the Environment, M.I.T.*

*Amanda Graham, Laboratory for Energy and the Environment, M.I.T.*

*William VanSchalkwyk, Director, Environmental, Health and Safety Programs, M.I.T.*

**P18 Environmental Science and Resource Management: The Redesigned Undergraduate Curriculum of the UW College of Forest Resources**

*Mark Swanson, Student, College of Forest Resources, University of Washington.*

*Jon Honea, Student, College of Forest Resources, University of Washington.*

*Amy Miller, Student, College of Forest Resources, University of Washington.*

*Victoria Poling, Student, College of Forest Resources, University of Washington.*

*Virginia Travers, Student, College of Forest Resources, University of Washington.*

**P19 Implementing the Talloires Declaration: Meaningful Ways to Engage Student Participation**

*Calvin Sweeney, Student Intern, Sustainability Task Team, University of Alaska Anchorage.*

**P20 Towards Sustainability as “Second Nature” at Ithaca College: The Multiplier Effect of an NSF Curriculum Development Grant**

*Garry Thomas, Associate Professor, Department of Anthropology, Ithaca College*

*Jason Hamilton, Assistant Professor, Department of Biology, Ithaca College.*

*Susan Allen-Gil, Associate Professor, Department of Biology, Ithaca College.*

*Liz Walker, Director, EcoVillage of Ithaca.*

*Elan Shapiro, Educational and Outreach Director, EcoVillage of Ithaca.*

**P21 Student Efforts towards Campus Sustainability; The Sustainable UW Alliance**

*Bethany Van Eppen, Co-President, Sustainable UW Alliance, University of Washington.*

**P22 Education for a Sustainable Future (ESF) Residential Learning Community**

*Shana Weber, Director of Campus and Community Programs, Environmental Studies Institute, Santa Clara University.*

*Lester Deanes, Resident Director, Education for a Sustainable Future RLC, Santa Clara University.*

*Amy Shachter, Senior Associate Dean, College of Arts and Sciences, Santa Clara University.*

*Sarah Tarpley, Student, Director of E-SCCAP, Santa Clara University.*

*Waide Hicks, Student, Environmental Science, Environmental Voices journalist, Santa Clara University.*

**P23 Using the Story of Ishi (California Native American) to Teach Sustainability**

*Peter Weiss-Penzias, Adjunct Faculty, Interdisciplinary Arts and Sciences, University of Washington, Bothell.*

**P24 Waste Management at the Berea College Farm: A Class Research Project**

*Paul Smithson, Assistant Professor of Environmental Chemistry, Berea College.*