



**League for Innovation Sustainability Symposium
Lane Community College
Center for Meeting and Learning
October 14-16, 2007**

SYMPOSIUM PROGRAM

Sunday, October 14

5:00 – 6:00 pm	Reception & check-in
6:00 – 7:00 pm	Dinner
7:00 – 8:30 pm	<u>Keynotes</u> Judy Walton, Ph.D., Director of Strategic Initiatives, Association for the Advancement of Sustainability in Higher Education (AASHE) “Leading the Way on Climate Change - the American College & University Presidents' Climate Commitment” Debra Rowe, Ph.D., President, U.S. Partnership for Education for Sustainable Development and Professor, Sustainable Energies and Behavioral Sciences, Oakland Community College “Education for a Sustainable Future: What You Need to Know”

Monday, October 15

7:00 – 8:00 am	Walking tour of Lane’s nature trails
8:00 – 8:45 am	Check-in & breakfast
8:45 – 10:45 am	Opening session - Welcoming address by Lane Community College President Mary Spilde and information sharing (5 minute presentations by each participating college about sustainability initiatives)
10:45 – 11:00 am	Break
11:00 am – 12:00 pm	Continue information sharing
12:00 – 1:00 pm	Lunch
1:00 – 2:00 pm	Concurrent Sessions 1
2:15 – 3:15 pm	Concurrent Sessions 2
3:30 – 5:30 pm	World Café Round Table Discussions – What are the most critical steps to moving our colleges toward sustainability?

Tuesday, October 16

8:00 – 8:30 am	Breakfast
8:30 – 9:30 am	College teams meet to plan next steps
9:45 – 11:15 am	World Café Round Table Discussions – What recommendations would we like to offer to League leadership in order for them to take a leadership role in sustainability? Identify the key opportunities for collaboration among League Board colleges.
11:15 – 11:30 am	Closing remarks
11:30 am	Conference end

CONCURRENT SESSIONS

Monday, October 15

1:00 – 2:00 pm Concurrent Sessions 1

Concurrent Session 1-A Room 102	Concurrent Session 1-B Room 106	Concurrent Session 1-C Room 214	Concurrent Session 1-D Room 220	Concurrent Session 1-E Room 225
What is LEED®? – <i>Anne Arundel Community College</i>	Clues & Cues to Teach Sustainability – <i>Lane Community College</i>	1:00 – 1:30 Using Student Activities to Initiate Sinclair Community College's Energy Education Programs – <i>Sinclair Community College</i> 1:30 – 2:00 How to Turn a Liability into a Sustainable Development Opportunity – <i>Humber Institute of Technology and Advanced Learning</i>	1:00 – 1:30 Humber's Centre for Urban Ecology: Using Sustainability to Connect Academic Programs, Applied Research and the Community – <i>Humber Institute of Technology and Advanced Learning</i> 1:30 – 2:00 Delta College – Where Our Color Will Always Be Green <i>Delta College</i>	Sustainability Recipe for Instruction and Curriculum – <i>Foothill-De Anza Community College District</i>

Session Descriptions

Concurrent Session 1-A, Room 102

What is LEED®? – *Michael Ryan, Anne Arundel Community College*

Sustainability is a popular term used to describe many different meanings. In building design, it has a specific definition that is part of a certification program. "Green" and "sustainable" were broad-brushed terms used to describe any example of what appeared to be an environmentally sensitive response. Now there is an industry system that addresses "greenwashing" and clearly delineates what sustainable design means in building design and environmental stewardship. LEED® (Leadership in Energy and Environmental Design) is the national benchmark for high performance green buildings and was developed by the United States Green Building Council as a way to measure the high performance of sustainable buildings in five major categories. Attendees will be exposed to the different versions of LEED® and will leave with an understanding of the various categories and credits that are covered under LEED®.

Concurrent Session 1-B, Room 106

Clues & Cues to Teach Sustainability – *Tammie Stark, Lane Community College*

Because sustainability is a new way of thinking, acting and being that involves a more holistic and multi-disciplinary view than many of us have been taught, teaching sustainability can be tricky business. Join this workshop to learn clues and cues that will help you infuse sustainability into your teaching. Workshop is based on innovative work by Peggy Barlett and Geoffrey Chase as well as successful running of an "Intro to Sustainability" class at Lane Community College. Short presentations will be interspersed with experiential components that will teach then reinforce skills learned. The workshop will conclude with peer feedback and group discussion to further deepen understanding of the techniques and process. Readings and sample syllabus will be included.

CONCURRENT SESSIONS, continued

Concurrent Session 1-C, Room 214

1:00 – 1:30

Using Student Activities to Initiate Sinclair Community College's Energy Education Programs – *Robert Gilbert & Robert "Woody" Woodruff, Sinclair Community College*

Student activities including service learning, internships, and capstone projects that result in the students' energy education will be presented. Forming a strong collaboration between students, faculty, and facilities management will also be presented. Student activities ranged from residential energy audits within the community, commercial energy audits on campus, to designing and building a Center for Energy Education Laboratory.

1:30 – 2:00

How to Turn a Liability into a Sustainable Development Opportunity – *Carol Anderson, Humber Institute of Technology and Advanced Learning*

As college buildings age and deferred maintenance issues grow, the Facilities Management departments face many challenges. However, there are also opportunities to use retrofits to enhance sustainability. This presentation will provide an overview of several major projects Humber College has undertaken including current lighting upgrades, boiler replacements, ventilation controls and the new chiller plant with emphasis on how they affect sustainability. The presentation will also demonstrate how to improve the learning environment, conserve energy, reduce greenhouse gas emissions, retire deferred maintenance and reduce operating expenses.

Concurrent Session 1-D, Room 220

1:00 – 1:30

Humber's Centre for Urban Ecology: Using Sustainability to Connect Academic Programs, Applied Research and the Community – *Kerry Johnston, Humber Institute of Technology and Advanced Learning*

Humber's recently completed Centre for Urban Ecology holds sustainability at the core of its design, construction and operational lifespan. The Centre for Urban Ecology will demonstrate technologies and practices that reduce green house gas emissions, clean up rivers and lakes, restore adjacent valley lands, and work towards a healthy, sustainable environment in urban spaces. This presentation will highlight Humber's experience in the design and construction of this sustainable building and how the Centre for Urban Ecology will serve to advance the study and practice of sustainability among students, researchers and the community.

1:30 – 2:00

Delta College – Where Our Color Will Always Be Green – *Mike Finelli, Linda Petee, and Donna Giuliani, Delta College*

Delta College is proud of its heritage and progress towards the development of an environmentally sustainable campus. Their path towards a green campus is unique in that it found its roots in the Facilities Management area. Long before 'greening' and 'sustainability' were buzzwords, conservation, efficiency of operations, growth by substitution, and recycling were employed as routine measures. Delta has an impressive record of environmental practices, energy conscious renovations, and a 'best practices' recycling program. Faculty has been inventive in assimilating sustainability into the classroom and seeking joint endeavors with other colleges and organizations. The College's newly established Sustainability Task Force endeavors to bring building operations, classroom delivery, and curriculum together to create a green campus inside and out.

Concurrent Session 1-E, Room 225

Sustainability Recipe for Instruction and Curriculum – *Pat Cornely, Kristin Sullivan, and John Swensson, Foothill-De Anza Community College District*

The team from De Anza College shares their story of green buildings and sustainability principles. At De Anza College, instruction drives the sustainability model. How can sustainability be integrated into curriculum? How can principles of sustainability help with student enrollment and retention? We will explore the connections between the environment, equity, economics, education, and sustainability.

CONCURRENT SESSIONS, continued

2:15 – 3:15 pm Concurrent Sessions 2

Concurrent Session 2-A Room 102	Concurrent Session 2-B Room 106	Concurrent Session 2-C Room 214	Concurrent Session 2-D Room 220	Concurrent Session 2-E Room 225
Learning Green: Sustainable Community College Planning, Design, and Operation – <i>Moraine Valley Community College</i>	Infusing Sustainability into Curriculum at Maricopa Community Colleges – <i>Maricopa Community College District</i>	2:15 – 2:45 Community College Partnerships in Energy Education – <i>Lane Community College</i> 2:45 – 3:15 Biodiesel Project at Lane Community College – <i>Lane Community College</i>	2:15 – 2:45 Connecting Curriculum and Campus Planning to Leverage Resources – <i>Maricopa Community College District</i> 2:45 – 3:15 Greening a Curriculum – <i>Anne Arundel Community College</i>	2:15 – 2:45 Sustainability in Food Service Education – <i>Seattle Community College District</i> 2:45 – 3:15 Sustainability in Food Service Operations – <i>Lane Community College</i>

Concurrent Session 2-A, Room 102

Learning Green: Sustainable Community College Planning, Design and Operation – *Vuk Vujovic and Andrew Duren, Moraine Valley Community College*

Growing adoption of sustainable, high performance building technologies and green building rating systems in the US confirms that the focus on energy-efficiency and environmental sensitivity will continue to transform the way in which community colleges are planned, designed, and operated. Moraine Valley Community College and Legat Architects will review current trends in sustainable community college planning in Illinois, implementation of green building design strategies in a campus setting, and cost and payback analysis necessary throughout the design process. A case study of the new Moraine Valley Community College Southwest Educational Center in Tinley Park, Illinois, presented by a senior college administrator and an architect will be used to illustrate how collaborative, holistic approach to green campus planning and building design can be transformative, cost-effective, and very popular with the community college's varied constituents.

Concurrent Session 2-B, Room 106

Infusing Sustainability into Curriculum at Maricopa Community Colleges – *Pushpa Ramakrishna and Chris Schnick, Maricopa Community College District*

Biology Instructor Pushpa Ramakrishna and English Instructor Chris Schnick will share practical methods to infuse sustainability in the curriculum ranging from district-wide efforts to individual classes. Some of the methods they will share are:

- District sustainability dialog days
- Campus theme
- One book project
- Campus sustainability day
- Interdisciplinary co-curricular learning
- Student poster session and speakers' corner
- Freshman compostion sustainability projects
- The Biology UN millennium goals project
- Biology service learning project

Participants will be given an opportunity to brainstorm practical ways they can infuse sustainability in their disciplines.

CONCURRENT SESSIONS, continued

Concurrent Session 2-C, Room 214

2:15 – 2:45

Community College Partnerships in Energy Education – *Tammie Stark, Lane Community College*

The Lane Community College Energy Management program has been encouraged to apply for a National Science Foundation (NSF) Advanced Technological Education (ATE) grant. The Lane Energy Management Program associate's degree and certification programs train energy-efficiency professionals in two years or less. These graduates possess the skills to make immediate and significant contributions to energy security and savings while earning a family or living wage. The NSF proposal is to develop an Energy Management program delivered nationally through distance-learning methodologies which allows Lane to contribute solutions to this critical national issue through the dissemination of skills and technical knowledge. This session will outline the components of the NSF proposal and then request community colleges to become partners in this project that will evolve over the course of three years.

2:45 – 3:15

Biodiesel Project at Lane Community College – *Jennifer Hayward and John Thompson, Lane Community College*

Presenters will describe Lane's Biodiesel Project. Topics will include:

- Green chemistry curriculum and club.
- Student engagement, recruitment, retention, and service.
- Environmental and financial benefits of producing biodiesel on-site.
- How to implement a biodiesel processing project at a community college.

Concurrent Session 2-D, Room 220

2:15 – 2:45

Connecting Curriculum and Campus Planning to Leverage Resources – *Janice Jennings, Maricopa Community College District*

The Interior Design Program at Mesa Community College was modified to include six learning outcomes related to sustainability. The six outcomes are:

1. "environmental ethics and the role of sustainability in the practice of interior design [CIDA indicator 2c]
2. "global perspective and approach to thinking and problem solving (viewing design with awareness and respect for cultural and social differences of people; understanding issues that affect the sustainability of the planet; understanding the implications of conducting the practice of design within a world market) [CIDA indicator 2d]
3. "principles and theories of sustainability [CIDA indicator 3g]
4. "information gathering research and analysis (sustainability issues) [CIDA indicator 4f]
5. "sustainable building methods and materials [CIDA indicator 6n]
6. "assessment processes (post occupancy evaluation, productivity, square-footage ratios, life cycle assessment) [CIDA indicator 8f]

An experiential learning pedagogy was implemented linking the classroom learning environment to campus sustainability planning. In Linda Mastaglio's August, 2006 article Learning from the Ground Up it is stated that "collaboration brings staff, faculty and students together for facility growth." This collaboration leveraged the plentiful resource of interior design students to meet MCC's specific sustainable construction requirements.

CONCURRENT SESSIONS, continued

Concurrent Session 2-D, Room 220, continued

2:45 – 3:15

Greening a Curriculum – *Michael Ryan, Anne Arundel Community College*

Americans spend about 80% of their lives indoors. The quality of the spaces we live, work and play in have a direct impact on our health and wellbeing. As we move forward, sustainability now affects how we approach the built environment. Current design and building practices demand that sustainable design practices be used. Learn how AACC's Architecture Department infused sustainable design into its program. Participants will leave with a model to incorporate sustainability as an expected outcome and see examples of student work.

Concurrent Session 2-E, Room 225

2:15 – 2:45

Sustainability in Food Service Education – *Gregg Shiosaki, Seattle Community College District*

This workshop will detail how Seattle Culinary Academy has incorporated their mission statement's commitment to sustainability into their classrooms and kitchens. Innovative classes in "Sustainable Food Systems Practices" and a hands-on farming experience were reasons why they received the top Leadership Award for innovation in teaching environmental awareness from the Center for the Advancement of Foodservice Education (CAFÉ). SCA has partnered with many organizations, businesses, and individuals with similar ideals to create a culinary program that leads the nation in sustainability education.

2:45 – 3:15

Sustainability in Food Service Operations – *Brian Kelly, Lane Community College*

This workshop will highlight how the Conference and Culinary Services Division has incorporated Lane's core value of Sustainability into its daily operations. Reusable dishes and coffee mugs have made significant decreases in the amount of garbage we create. Composting returns pre-consumer food waste to the wonderful landscaping of our campus. The introduction of organic fruit and direct delivery of local produce from local farms are just a few of the ways we are striving to be a sustainable operation.

PRESENTER BIOGRAPHIES

Keynote Speakers

Debra Rowe, Ph.D., Oakland Community College

Dr. Rowe is the President of the U.S. Partnership for Education for Sustainable Development (www.uspartnership.org). The U.S. Partnership convenes members of business, education, communities, government, and faith sectors of the U.S. and catalyzes sustainability initiatives. Dr. Rowe is also Senior Fellow at the Association of University Leaders for a Sustainable Future (www.ulsf.org), National Co-coordinator of the Higher Education Associations Sustainability Consortium (www.heasc.net), Coordinator and Founder of the Disciplinary Associations Network for Sustainability, and Senior Advisor to the Association for the Advancement of Sustainability in Higher Education (www.aashe.org). She helps higher education associations and institutions integrate sustainability into mission, curricula, research, student life, purchasing and investments, facilities and operations, and community partnerships.

As a consultant to a national consortium of colleges entitled PETE (the Partnership for Environmental Technology Education), Dr. Rowe created a model energy management degree design for community and technical colleges, funded by the U.S. Department of Energy (www.ateec.org/energy). She also created and teaches energy management and renewable energies in an on-line format with National Science Foundation support as part of an online certificate in renewable energies that is used to help colleges start their own renewable energies program. In addition, Dr. Rowe was the energy and sustainability consultant to the National Science Foundation funded National Science Database Library (Electronic Environmental Resources Library www.eerl.org).

Debra has been a professor of energy management and renewable energy technology for over 26 years at Oakland Community College (www.oaklandcc.edu/EST). Students in her energy technology courses regularly include builders, architects, engineers, building trades people and facility managers as well as traditional students training for the energy workforce. She won the State and Regional Professional Development Award from the Association of Energy Engineers (www.aeecenter.org) for her curricula. She has hosted over one hundred conferences and customized trainings on energy and sustainable design practices. Debra was Interim Dean of Applied and Engineering Technologies at Oakland Community College. Dr. Rowe has also taught Behavioral Sciences for twelve years.

Debra Rowe is often a keynote speaker at national and international education conferences. She is the author or editor of numerous publications on the integration of sustainability into education. See www.ncseonline.org/EFS/DebraRowe.pdf and www.urbanoptions.org/SustainEdHandbook for examples.

Formal education:

Ph.D. in Business	University of Michigan	1991
M.A. in Psychology	University of Michigan	1989
M.B.A. in Business	University of Michigan	1988
B.A.	Yale University	1977

Licensed Mechanical Contractor since 1980

Judy Walton, Ph.D., Association for the Advancement of Sustainability in Higher Education

Judy Walton is the Director of Strategic Initiatives for AASHE. She was a founding member and Executive Director of Education for Sustainability Western Network (EFS West), which was folded into AASHE in 2005. She has had a long-standing interest in sustainability, reflected in both her academic work (she played a key role in campus sustainability efforts at Humboldt State University), and her green building consultancy work in Washington state in the mid-1990s. She has delivered presentations to campuses and businesses, assisted campuses with strategic planning, and participated in or helped organize national webcasts on sustainability and higher education. Judy holds a Ph.D. in geography from Syracuse U., an M.A. in geography from San Diego State U., and a B.A. in political science from UC San Diego.

Concurrent Session Presenters

Carol Anderson, Humber Institute of Technology and Advanced Learning

Carol Anderson, Director of Facilities Management, Humber College, Toronto, Ontario. Carol has been working in the facilities management field for over 25 years in various higher education institutions. As former chair of the Ontario College Facilities Management Association, Carol has been very involved in issues related to energy conservation, deferred maintenance and leveraging opportunities for sustainable building technologies.

Pat Cornely, Foothill – De Anza Community College District

Pat Cornely is the Executive Director of the Kirsch Center for Environmental Studies (KCES) at De Anza College Environmental Studies Department Biological, Health, and Environmental Sciences Division (BHES). The KCES is an environmentally and socially sustainable building that educates students and the public about energy, resources and stewardship. Since 1998, Ms. Cornely has been involved in the process of the KCES design, construction and commissioning. This committee process made the KCES a reality.

Ms. Cornely is an advocate for the KCES building. Her role is to oversee day-to-day operations, work on program development, work with students, continue to initiate and develop partnerships within and outside the college, and to resolve budget-related matters. Ms. Cornely recently submitted documentation proposing the KCES as a LEED platinum building.

Andrew Duren, Moraine Valley Community College

Mr. Andrew Duren has been Vice President for Administrative Services and College Facilities since 1999 at Moraine Valley Community College. As part of the President's executive staff, he is responsible for a number of operational departments at the college including human resources, purchasing, shipping and receiving, information technology, the college's police department, and all of the college's auxiliary businesses including its book store, food service operations, and logistical services. He is also responsible for all campus operations including maintenance, housekeeping, grounds and construction.

Andrew in his short time with the college has lead the board through the development of a campus master plan which had not been updated in nearly 20 years and helped the board, faculty and staff thru the process of the recent referendum. Additionally, he has worked with key leaders at the college in leading the strategic priority of embracing diversity. An initiative that has reached into various aspects of the college business including, student services, employment practices, classroom instruction, and into all policies and practices throughout the college.

Prior to working with the college, Andrew worked for nearly 20 years for three catholic health organizations within the Chicago land area as a Vice President of Operations and Human Resources, and was responsible for similar departments.

He began his work with the State of Illinois in 1975 working for the Departments of Personnel, and Corrections in both training and management functions.

Andrew is a graduate of community college, at Triton in River Grove Illinois, before completing his B.A. and M.S. from Lewis University.

Andrew, lives in the southwest suburb of Homer Glen with his wife Kristie of 33 years, and has two children and five grandchildren.

Michael Finelli, Delta College

Michael Finelli is an Assistant Professor in Construction Technology and Architectural Technology. He and his wife, Cindy, have two children: Chiara and Carmine. They reside in Hartland, Michigan. Mike is also a licensed builder who designs and builds residential projects.

Robert Gilbert, Sinclair Community College

Robert B. Gilbert is Assistant Professor of Civil/Architectural Technology at Sinclair Community College. Bob is the director of Sinclair's Center for Energy Education. He has both a Bachelor's and Master's Degree in mechanical engineering from the University of Dayton. He is also completing his PhD in mechanical engineering in energy efficiency and management at the University of Dayton. Bob recently presented a paper titled "The Effects of Thermal Mass on Thermal Transmission Loads" at the American Society of Mechanical Engineers 2007 Energy Sustainability Conference in Long Beach, California. Bob has an extensive background in residential and commercial building design and construction.

Donna Giuliani, Delta College

Donna Giuliani is an instructor of Sociology at Delta College. She incorporates sustainability into both classroom management and course curriculum. She and her partner, Nick, have one daughter (Morgan), a dog, a cat, a few chickens and a garden. Donna's areas of interest/research include environmental justice, globalization, gender studies, and the study of mass media.

Jennifer Hayward, Lane Community College

Jennifer started working at Lane as the Recycling Coordinator in 1999. In 2000, her duties were expanded to include oversight of other environmental issues on campus including drinking water quality, indoor air quality, and hazardous materials use. In 2004, she became the college's Sustainability Coordinator. Jennifer has a BS in Chemistry from the University of Oregon, is a LEED Accredited Professional and a Sustainable Building Advisor.

Janice Jennings, Maricopa Community College District

Janice Jennings is Chair of the Design Department at Mesa Community College in Arizona. She completed her Master of Science in Design from Arizona State University in 1998 and is currently working on her PhD in Environmental Design. She is a LEED accredited professional and the 2007 - 08 American College and University Presidents Climate Commitment implementation liaison for her college.

Kerry Johnston, Humber Institute of Technology and Advanced Learning

Kerry Johnston is a professor at Humber College in Toronto Canada, working in the Environmental Technology, Civil Engineering and Architectural Technology Programs. She also serves as the academic manager for the Environmental Technology Program. Kerry is a professional land surveyor in the province of Ontario and, since joining Humber, has undertaken graduate study in education and educational leadership at Central Michigan University. Currently, Kerry is a doctoral student with research interests in integrative approaches to learning, critical thinking and problem solving and how the concept of sustainability may support improved learning.

Brian Kelly, Lane Community College

Chef Brian Kelly is the Food and Beverage Manager in the Conference and Culinary Services Division of Lane Community College. He has worked to include sustainability into all operations in the Conference and Culinary Services Division. Chef Kelly has worked with local farmers in Washington State, Southern Illinois and Oregon to integrate their products into the operational and instructional functions of colleges and universities. In coordination with the Small Business Center of King County, Kelly worked to find cooperative space to help farmers prepare their products for retail markets. Kelly is active in many community events with the outstanding students of Lane's Culinary Arts and Hospitality Management programs.

Linda Petee, Delta College

As Administrative Assistant with Facilities Management, Linda Petee has been actively involved in developing campus recycling and promoting departmental environmental initiatives. With a passion for both the environment and the arts, she collaborates with her local art community to promote environmental awareness through the arts.

Pushpa Ramakrishna, Maricopa Community College District

Pushpa Ramakrishna has been a Biology Faculty at Chandler Gilbert Community College since 1992. Pushpa is passionate about teaching. In 1995 she won the MCCCCD district “Innovation of the Year” award for service learning as part of the CGCC team. She has also won the innovation of the year award in 1996 for “revitalizing the science curriculum” and in 1998 won the innovation of the year award as part of the student learning and outcome assessment team. She has recently been awarded the Maricopa Foundation’s Outstanding Employee for 2006-2007.

Pushpa has been the co-principal investigator and project director of a NSF project “Women’s Images of Science and Engineering”. She has been the co-principal investigator of the “INVSEE” project at ASU and the MCCCCD project “SyRIS” and “CISIP”. She also was awarded a mini-grant from campus compact of community colleges for an environmental service project. The work from a service learning mini-grant for which she was the principle investigator was considered as one of the 18 model projects across the country and the paper was published in the book, ‘Science and Society’ for the SEAMS disciplines by the campus compact for the community colleges and the AAHE publication on service learning in Biology. As part of the environmental project, she has organized an Earth Day event during the spring semester for many years when her Biology students study the environmental factors at the town of Gilbert water reclamation plant and wildlife reserve, write a research paper and build activities.

Pushpa Ramakrishna is the chair of the Maricopa Community Colleges sustainability initiative. She is strongly committed to incorporating a theme of sustainability into her Biology curriculum. She has organized many Maricopa Community Colleges district-wide global sustainability dialog days where employees of the different colleges come to discuss and showcase their respective sustainability programs. She has also invited world renowned guest speakers and organized a statewide summit on “Climate Change, Focusing on the solutions.”

Michael Ryan, Anne Arundel Community College

Professor Ryan is the Chair of AACC’s Architecture, Interior Design and Construction Management Department. He is a licensed architect in the state of Maryland and holds a national certification as an architect through the National Council of Architectural Registration Boards (NCARB). In addition he is a Certified Construction Specifier (CCS) and a Certified Construction Contract Administrator (CCCA) with the Construction Specifications Institute (CSI). Mr. Ryan started his postsecondary education at AACC in the same program. He now chairs and has been teaching in the program for 23 years.

Chris Schnick, Maricopa Community College District

Chris Schnick has been a residential English Faculty member at Chandler-Gilbert Community College since 1997. He has played an active part of the college’s initiatives in service learning, learning communities, civic engagement, and global education, using them as a part of his curriculum and serving on college committees to advance the initiatives.

As the college faculty development coordinator, he schedules and facilitates workshops advancing college initiatives, develops and facilitates summer institutes, collaborates with the Maricopa Community College District faculty development committee, and works with college committees to support their faculty development initiatives. The faculty development team has developed a campus-wide theme called SEE Your World which focuses on Social, Environmental, and Economic concerns in our community and the world. Chris has worked to enhance teaching and learning through exploration of the theme. He has scheduled and in some cases coordinated campus events to connect multiple classes to the global theme, events such as Katrina Interdisciplinary Teach-in.

Gregg Shiosaki, Seattle Community College District

Chef Instructor Shiosaki has worked to integrate hands-on sustainability education into his classes at the Seattle Culinary Academy at Seattle Central Community College. The “From the Ground Up” curriculum puts the culinary students on a farm in neighboring Skagit Valley. There they work with retired farmers learning about everything from seed and site selection through harvesting and marketing. Then they bring the produce back to the kitchen to utilize in their “Farm to Table” menus during the week.

Tammie Stark, Lane Community College

Tammie Stark, M.A., is faculty at Lane Community College and is a private consultant in the water industry. Her expertise and presentations have included sustainability, sustainability education, rainwater harvesting, stormwater management, water efficiency and water security. Tammie has served on sustainability panels, taught at the University of Oregon (UO) Sustainability Class and is a regular participant in the UO Holistic Options for Planet Earth Sustainability Conference. She is currently a member of the Oregon Stormwater Solutions Team, the Lane Community College Sustainability in Learning Committee and UO Center for the Advancement of Sustainable Living Board.

Kristin Jensen Sullivan, Foothill – De Anza Community College District

Kristin Jensen Sullivan is a faculty member in the Environmental Studies Department Biological, Health, and Environmental Sciences Division (BHES) at De Anza College. At De Anza, degrees and certificates are offered in Stewardship, Biodiversity, Environmental Compliance and Pollution Prevention, and Energy Management and Climate Policy.

Ms. Sullivan teaches in the Kirsch Center for Environmental Studies (KCES). Ms. Sullivan has been a KCES committee member since 1999, and was involved in the concept, design, construction, and commissioning of the KCES.

Ms. Sullivan is actively involved in the curriculum process for the Environmental Studies Department and serves on many campus committees including Academic Senate, the Environmental Sustainability subcommittee of Academic Senate, and the College Environmental Advisory Group (CEAG). CEAG has been working with the college to develop a Sustainability Management Plan (SMP). This SMP has thus far been adopted by Academic Senate and De Anza's Student Body.

John Swensson, Foothill – De Anza Community College District

John Swensson, Interim Vice President of Instruction, has taught at De Anza College since 1989 as a member of the English, Business and Speech departments. He served as president of De Anza's Academic Senate and was, for six years, the Dean of the Language Arts Division, the largest division in the district. He also taught at West Point, Vincennes University, National University, West Valley College, Foothill College and Orange County Community College.

Mr. Swensson has been on six Campus Abroad trips to Paris, London and Viet Nam. His teaching includes specialties in Vietnamese literature, culture and history, and the sculpture of Rodin. Mr. Swensson won a League for Innovation Innovator of the Year Award for work in the collaborative learning area, and the National Institute for Staff and Organizational Development award for Teaching Excellence.

Mr. Swensson, being a longstanding member of the Kirsch Center for Environmental Studies building committee, will share his views on sustainability in education.

John Thompson, Lane Community College

John Thompson joined the faculty at Lane Community College in the fall of 2000 as the lead organic chemistry instructor. During his tenure at Lane he has integrated sustainability into his curriculum through green chemistry. John is active in the green chemistry community and has written several green chemistry experiments which are used both at Lane and other institutions.

Vuk Vujovic, Moraine Valley Community College

Vuk Vujovic is the Director of Sustainable Design at Legat Architects in Chicago. He has a leadership role in integrating energy-efficient and environmentally-friendly design among all the firm's projects. Since joining Legat Architects in 2000, he has piloted the firm's evolution toward sustainable design. His focus is on architectural research and design, as well as education of the general public about high-performance design and the benefits of sustainable building systems. He regularly contributes to industry publications and conferences.

Vujovic is a LEED® accredited professional and a member of the U.S. Green Building Council (USGBC). He is co-chair of the AIA Chicago Committee of the Environment (COTE). He is also a member of the Healthy and High Performing Schools Task Force, a partnership aimed at producing new standards and design criteria for Illinois high-performance educational facilities.

Vujovic holds a Bachelor of Architecture degree from the University of Belgrade - School of Architecture and a Master of Science in Management degree from Purdue University.

Robert L. "Woody" Woodruff, Jr., Sinclair Community College

Robert L. "Woody" Woodruff, Jr. has been in his current position for 9 years as the Sinclair Community College Manager of Plant Information Systems & Programs. The job entails acting as the Deputy Director of Facilities, liaison with outside agencies, emergency contingency planning, overseeing 5 supervisors, 37 employees and 20 student workers. Responsibilities include budget development and management, energy management, campus security and key control advisor, and code and regulation compliance. Woody has a Bachelor's Degree from Park College, a Master's Degree from the University of Dayton and has completed the APPA Institute for Facilities Management.

SUSTAINABLE CONFERNING

Organic foods: Meals for this symposium are mostly organic and incorporate many local foods.

Composting: The conference kitchen composts all appropriate pre-consumer food scraps.

Reducing: All conference materials are printed double-sided and efforts are made to reduce paper use. Efforts include recording conference notes electronically rather than on flip charts.

Reusing: Conference name tags are made from 100% reused materials. The conference center uses reusable service ware and napkins.

Recycling: Paper and can & bottle recycling is available for conference attendees at several recycling stations.

Energy conservation: College staff schedule for conference center heating, cooling and lighting to be on only when the Center is in use. Carbon dioxide sensors help save energy by not over-ventilating large spaces.

Water conservation: Bathroom faucets are fitted with low-flow aerators.