

spring 2010 convocation

May 13, 2010 Evelyn Smith Music Theatre



Message from the Director

Welcome to Arizona State University and the nation's first School of Sustainability, where faculty and students alike have embarked upon one of the boldest, most comprehensive approaches to sustainability attempted at any university.

The candidates we honor today are among the first of what we hope will be a long and distinguished line of sustainability graduates, the intellectual capital upon which the future depends.

We believe we are engaged in a global-survival experiment, in a time when sustainable solutions must be envisioned and implemented.

How do we define sustainability? Sustainability is:

- *An awareness of the connectivity of the world and the implications of our actions;*
- *Finding solutions through innovative approaches;*
- *Expanding future options through environmental stewardship;*
- *Building governance institutions that continually learn; and*
- *Instilling values that promote justice.*

Sustainability is the “reframing” of the debate that has evolved from polarizing conversations of “either development or environment” to discussions of how humankind can transform its economic growth system into a sustainable approach to living on a delicate planet.

Let us all join in as we seek the best outcomes for both human and natural environments both now and into the indefinite future.



Charles L. Redman

About the School of Sustainability

The School of Sustainability, established in 2007, offers transdisciplinary degree programs that advance practical solutions to environmental, economic, and social challenges of sustainability—especially as they relate to urban areas.

The School offers graduate programs leading to Doctor of Philosophy, Master of Arts, and Master of Science degrees in Sustainability and undergraduate programs leading to Bachelor of Arts and Bachelor of Science degrees in Sustainability.

We focus on collaborative learning, innovative approaches, and problem-oriented training to address sustainability challenges relating to energy and materials, water, ecosystems, urbanization, international development, social transformations, climate change, and food systems. For more information, visit: schoolofsustainability.asu.edu.

The School is part of the Global Institute of Sustainability, which is the hub of ASU's sustainability initiatives. The Institute advances research, education, and business practices for an urbanizing world. For more information, visit: sustainability.asu.edu.

Order of Events

PROCESSIONAL

Welcome

Grand Marshal

Charles L. Redman, Ph.D.

Director, School of Sustainability

Associate Director, Global Institute of Sustainability

Virginia M. Ullman Professor of Natural History and the Environment

2009 - 2010 Awards

Reader

Katherine A. Spielmann, Ph.D.

Associate Director, School of Sustainability

Awardees

Hannah LaLuzerne, *Norton and Ramsey Sustainability Scholarship*

Valerie Roy, *Tempe Earth Day Scholarship*

Kevin Zeck, *Read Scholarship for Academic Excellence*

Briar Schoon, *Outstanding Graduate Award, ASU Alumni Association*

Student Speakers

Graduate

Colin G. Tetreault, M.A.

Undergraduate

Rachel Lucille Abrahams, B.S.

Introduction of Doctoral and Master's Degree Candidates

Reader

Christopher G. Boone, Ph.D., Associate Professor

Graduate Committee Chair

Order of Events *(continued)*

Introduction of Bachelor's Degree Candidates

Reader

Daniel L. Childers, Ph.D., Professor

Undergraduate Committee Chair

Associate Director for Research Development,

Global Institute of Sustainability

Closing Remarks

Recessional

Reception

Please join us at a reception immediately following the ceremony.

Convocation photography by Tim Trumble

Find the link to order photos online at schoolofsustainability.asu.edu/alumni

GRADUATION WITH ACADEMIC RECOGNITION

A baccalaureate degree candidate must have completed at least 56 semester hours of resident credit at Arizona State University to qualify for graduation with academic recognition. For purposes of this ceremony, grade point averages from the end of fall 2009 semester were used. Final designations will be noted on the student's diploma and transcript.

Summa Cum Laude

designates those candidates with a cumulative grade point average of 3.80 – 4.00

Magna Cum Laude

designates those candidates with a cumulative grade point average of 3.60 – 3.79

Cum Laude

designates those candidates with a cumulative grade point average of 3.40 – 3.59

Candidates for Doctoral and Master's Degrees

Spring 2010

Jin Ho Jo, Ph.D.

An Empirical and Optimization Modeling Approach to Achieve Urban Energy Sustainability: Cool Roof and Building Integrated Photovoltaic Systems

John Cornelius Harlow, M.A.

Utopian Themes in Sustainable Development Discourse

Colin G. Tetreault, M.A.

Eating Green, Staying Green, and Making Green: Prolegomenon to a Restaurant Paradigm

Liqiu Deng, M.S.

Hybrid Life Cycle Assessment and Dynamic Trend Measurement of Personal Computers

Jessica Katherine Fox, M.S.

Supply-Enhancing Water Reuse: A Quantitative and Spatial Assessment of Opportunities in Maricopa County, Arizona

Robert Meyers, M.S.

A Model for Estimating Emissions and Costs of Competing Energy Systems: Dynamic Scenarios of Photovoltaic Rollout in the US

Candidates for Master's Degrees

Summer 2010

Andrea Fumiko Montoya Baty, M.A.

The Process of Sustainable Transformation in Cities

Leonard Machler, M.A.

Envisioning a Sustainable State of Transportation Accessibility in a Central Phoenix Neighborhood

Maren Michelle Mahoney, M.A.

Societal Impacts and Responses to a Snowmaking Proposal to Use Reclaimed Water on a Sacred Mountain in the Coconino National Forest

Riley Morgan Smith, M.A.

Barriers towards Implementation of Sustainability Governance

Lauren Kelly Withycombe, M.A.

Synthesizing Existing Future Knowledge to Improve Scenario Construction: A Case Study of Central Arizona – Phoenix Scenarios

Manjot Bhan, M.S.

Emerging Corporate Environmentalism of Multinational Corporations in India: Case of Consumer Goods Sector

Robert Matthew Horner, M.S.

The Meaning of Uncertainty in the Expert Elicitation Process: The Probabilistic Volcanic Hazard Assessment for Yucca Mountain and Two Comparative Cases

Haley Elizabeth Paul, M.S.

Agricultural Water Use and the Groundwater Management Act: Balancing Institutional Trade-offs to Reach Sustainability

Aaron Redman, M.S.

Transitioning towards Sustainable Cooking Systems: A Case Study from Rural El Salvador

Laurence J. Rosenberg, M.S.

Business Plan for Sustainable Energy Consultancy

Candidates for Bachelor's Degrees

Spring 2010

Benjamin Mark Adam, B.A.
International Development and Sustainability Track, Cum Laude

Raul Juan Betancourt, B.A.
Society and Sustainability Track

Connor Frank Wayne Cox, B.A.
Sustainable Urban Dynamics Track, Magna Cum Laude

Jeffrey Robert Crawford, B.A.
Sustainable Urban Dynamics Track

Margaret Rose Dunn, B.A.
Sustainable Urban Dynamics Track

Julian Ross Einfrank, B.A.
Policy and Governance in Sustainable Systems Track

David James Evans, B.A.
Society and Sustainability Track

Caila Rochelle Evans, B.A.
Society and Sustainability Track

Harison Bryce Frawley, B.A.
Sustainable Urban Dynamics Track

Mark Anthony Gonzales, B.A.
Sustainable Urban Dynamics Track

David Ward Guthrie, B.A.
Sustainable Urban Dynamics Track

Stefanie Leah Kanter, B.A.
Society and Sustainability Track

Elizabeth Aislinn McNulty, B.A.
Sustainable Urban Dynamics Track

Cameron Patrick O'Toole, B.A.
Society and Sustainability Track

Katie Elizabeth Peige, B.A.
Sustainable Urban Dynamics Track

Daniel Jay Plotnick, B.A.
Society and Sustainability Track

Briar Dayne Schoon, B.A.
Society and Sustainability Track, Summa Cum Laude

Rebecca Sophie Boiko Schwartz, B.A.
Society and Sustainability Track, Summa Cum Laude

Anna Rebecca Shipley, B.A.
Society and Sustainability Track

John Tyrrell Taber II, B.A.
Sustainable Urban Dynamics Track, Cum Laude

Adrienne Marie Uphoff, B.A.
Society and Sustainability Track, Summa Cum Laude

Rachel Lucille Abrahams, B.S.
Economics of Sustainability Track, Cum Laude

W. Michael Clark, B.S.
Sustainable Energy, Materials, and Technology Track, Cum Laude

Zachary Dorn, B.S.
Sustainable Ecosystems Track, Summa Cum Laude

Andrew Thomas Dorre, B.S.
Sustainable Energy, Materials, and Technology Track, Cum Laude

Jerret Fischer, B.S.
Economics of Sustainability Track

Timothy Michael Flynn, B.S.
Sustainable Ecosystems Track, Cum Laude

Candidates for Bachelor's Degrees

David Franco-Julian, B.S.
Economics of Sustainability Track

Liisa Kelo Escartin, B.S.
Sustainable Ecosystems Track, Cum Laude

Peter John Kinkel, B.S.
Sustainable Energy, Materials, and Technology Track

Malcolm Andrew MacOmber, B.S.
Sustainable Ecosystems Track

Erin Amanda Manahan, B.S.
Sustainable Ecosystems Track

Amanda Leigh Paul, B.S.
Sustainable Energy, Materials, and Technology Track, Magna Cum Laude

Jeremy T. Rand, B.S.
Sustainable Energy, Materials, and Technology Track, Magna Cum Laude

Callie Marina Russell, B.S.
Sustainable Ecosystems Track, Summa Cum Laude

Krishan Raj Sud, B.S.
Sustainable Energy, Materials, and Technology Track, Cum Laude

Ashley Elizabeth Mandela Sweet, B.S.
Sustainable Energy, Materials, and Technology Track

Melissa Mary Szaro, B.S.
Sustainable Ecosystems Track, Summa Cum Laude

Emily Elizabeth Williams, B.S.
Sustainable Energy, Materials, and Technology Track

Danielle Williamson, B.S.
Sustainable Ecosystems Track

Nabila Zine Filali, B.S.
Sustainable Energy, Materials, and Technology Track, Summa Cum Laude

Summer 2010

Allison Elizabeth Gallagher, B.A.
Sustainable Urban Dynamics Track

Miriam Eva Lippin, B.A.
Society and Sustainability Track

Samantha-Leigh Tessendorf, B.A.
Society and Sustainability Track

Mark Joseph Arndt, B.S.
Sustainable Energy, Materials, and Technology Track

Tina Biesen, B.S.
Economics of Sustainability Track

Drew Bryck, B.S.
Sustainable Ecosystems Track, Cum Laude

Matthew Ryan McCoy, B.S.
Sustainable Energy, Materials, and Technology Track

Ian Gregory Neufeld, B.S.
Sustainable Energy, Materials, and Technology Track

Terry Hugh Thompson, B.S.
Sustainable Ecosystems Track, Summa Cum Laude


Alumni Association


Welcome, graduate, to your life as an alumnus. As a student in the School of Sustainability, you were part of something unique. You made connections here: collaborations, partnerships, and friendships. You don't have to leave it all behind now that you have graduated.

You can stay connected to the School through the Arizona State University Alumni Association and through the School's social and professional networks. Check in on your alma mater, and keep us posted about your professional accomplishments and personal milestones.

Congratulations on your achievement. We know you will make us proud.

find us on:  @ASUgreen

 ASU Sustainability

 ASU School of Sustainability

or visit: schoolofsustainability.asu.edu/alumni



School of Sustainability

What is a Gonfalon?

A gonfalon is a flag or banner of medieval origin, traditionally displayed during ceremonies and processions. In academia, gonfalons represent the different fields of study within a university. They typically include the established academic color for the discipline as well as a representative symbol or emblem.



The School of Sustainability Gonfalon

This banner of ASU maroon and gold features fields of scarab green, the shade established by Arizona State University as the academic color for the new discipline of sustainability. The symbol adorning the School of Sustainability's gonfalon is a city skyline surrounded by a vine growing in an unbroken circle. The skyline denotes economic growth and social justice, while the twining vine signifies the natural environment and its relationship to all things.

Students whose names appear in this program are candidates for the degrees listed, which will be conferred subject to completion of requirements.

University commencement and convocation ceremonies are special events for all involved. Please show respect for everyone who has come to share in the experience. As a courtesy to those around you and to our graduating students, please turn off pagers and cellular phones during the ceremony.

Spring 2010 Convocation



ASU *SCHOOL of*
SUSTAINABILITY
ARIZONA STATE UNIVERSITY

schoolofsustainability.asu.edu