

spring 2014 convocation

May 13, 2014 ASU Gammage

ASU SCHOOL of
SUSTAINABILITY
ARIZONA STATE UNIVERSITY
schoolofsustainability.asu.edu

Environmental Savings – By printing 850 of these brochures on 100% recycled fiber and 100% post-consumer waste, we saved the following resources:

trees	water	energy	solid waste	emissions
2 fully grown	569 gallons	394,038 BTUs	35 pounds	118 pounds



Calculations based on research by Environmental Defense Fund and other members of the Paper Task Force.



Message from the Dean

Welcome to Arizona State University and the nation's first and most highly regarded School of Sustainability. I am proud to join you on this remarkable occasion.

Convocation is a ceremony quite literally robed in medieval traditions. The garments worn today signal to the world that these individuals have achieved the honor of becoming graduates. We are gathered to celebrate their achievements, the product of much careful thinking and problem solving, personal growth, and a lot of hard work.

Our students and graduates are addressing some of the most critical challenges of our time, and the knowledge and solutions they create today will shape the quality of life for future generations, including their own. They are thinking in new ways about the natural and social environment, about equity within societies and between generations, about the differing norms and aspirations of people, and about what is realistically achievable in a world undergoing rapid change.

The candidates we honor today join their predecessors in what will be a long and distinguished line of sustainability graduates. We count on them to be wise citizens in a complex world. Their decisions and actions will impact us all.

I look forward to seeing where our graduates go next and know that it will be an exciting and fulfilling journey. In joining the ranks of School of Sustainability alumni, these new graduates will be welcomed by a growing network of people committed to putting sustainability into action. Together, they will change the world for the better.



To the graduates, please accept my warmest wishes and deepest congratulations on this very special day. Remember to thank everyone who helped you achieve this dream, but most of all be proud of yourself for reaching this remarkable milestone.

A handwritten signature in black ink that reads "Chris Boone".

Christopher Boone
Dean of the School of Sustainability

About the School of Sustainability

Established in 2007, the School of Sustainability educates a new generation of scholars and practitioners and creates innovative modes of scholarship by bringing together leaders and stakeholders across multiple disciplines to develop effective solutions to the most pressing sustainability challenges.

The School offers both undergraduate and graduate programs leading to degrees in sustainability. Students can earn Bachelor of Arts, Bachelor of Science, Master of Arts, Master of Science, Master of Sustainable Solutions, Executive Master for Sustainability Leadership or Doctor of Philosophy degrees. Degree programs focus on collaborative learning, transdisciplinary approaches, and problem-oriented training to address sustainability challenges relating to areas such as energy and materials, water, ecosystems, urbanization, international development, social transformations, climate, and food systems.

The School of Sustainability is part of the Julie Ann Wrigley Global Institute of Sustainability, which is the hub of Arizona State University's sustainability initiatives. The Institute advances research, education, and business practices for an urbanizing world. Both the School and the Institute initiate and nurture work on issues of sustainability across the University and collaborate with other academic institutions, governments, businesses, and industries, as well as community groups at the local, national, and global levels.



To learn more, please visit sustainability.asu.edu and schoolofsustainability.asu.edu.

Order of Events

PROCESSIONAL

Master of Ceremonies

Maren Mahoney, J.D., M.A.

Strategic Initiatives Coordinator, Energy Policy

Innovation Council at ASU

President, School of Sustainability Alumni Chapter

Welcome

Christopher G. Boone, Ph.D.

Dean and Professor, School of Sustainability

Professor, School of Human Evolution and Social Change

Senior Sustainability Scientist,

Julie Ann Wrigley Global Institute of Sustainability

Greetings from the President

Michael M. Crow, Ph.D.

President, Arizona State University

Distinguished Sustainability Scientist,

Julie Ann Wrigley Global Institute of Sustainability

Greetings from the Julie Ann Wrigley Global Institute of Sustainability

Julie A. Wrigley, J.D.

President, Julie A. Wrigley Foundation

President, Wrigley Investments, LLC

Co-Chair, Board of Directors for Sustainability,

Arizona State University

Honored Guests

School of Sustainability Faculty

Student Speakers

Graduate

Mindy A. Kimball

Undergraduate

Anna J. Bettis

Order of Events

Introduction of Doctoral and Master's Degree Candidates

Reader

John Martin Anderies, Ph.D.

Associate Professor, School of Sustainability

Associate Professor, School of Human Evolution and Social Change

Graduate Director, School of Sustainability

Senior Sustainability Scientist, Julie Ann Wrigley Global

Institute of Sustainability

Introduction of Bachelor's Degree Candidates

Readers

Rimjhim Aggarwal, Ph.D.

Associate Professor, School of Sustainability

Undergraduate Director and Chair, Undergraduate Committee,

School of Sustainability

Senior Sustainability Scientist, Julie Ann Wrigley Global

Institute of Sustainability

Arnim Wiek, Ph.D.

Associate Professor, School of Sustainability

Senior Sustainability Scientist, Julie Ann Wrigley Global

Institute of Sustainability

Video Montage

One Day by Matisyahu

Closing Remarks

Maren Mahoney

Recessional

Please join us at Wrigley Hall for a congratulatory reception
immediately following the ceremony.

Processional and Recessional music provided by Piper - Alasdair Martin

Sign language interpreters provided by Arizona Interpreting Service, Inc.

Convocation photography by Tim Trumble

*View commencement videos, order convocation photos, and connect with
fellow alumni at schoolofsustainability.asu.edu/alumni*

Candidates for Doctoral Degrees

Spring 2014

Lauren Withycombe Keeler, Ph.D.

Quenching Our Thirst for Future Knowledge: Participatory Scenario Construction and Sustainable Water Governance in a Desert City

Mindy Anne Kimball, Ph.D.

Automobile Path Dependence in Phoenix: Approaching Sustainability by Getting Off the Pavement and Out of the Car

Christopher Paul Kuzdas, Ph.D.

Toward Sustainable Governance of Water Resources: The Case of Guanacaste, Costa Rica

Aura Ontiveros Valencia, Ph.D.

Ecological Interactions Among Nitrate-, Perchlorate-, and Sulfate-Reducing Bacteria in Hydrogen-Fed Biofilm Reactors

Benjamin Patrick Warner, Ph.D.

Barriers and Limits to Adaptation Among Smallholder Rice Farmers in Northwest Costa Rica

Mark Williams Wood, Ph.D.

Addressing Sustainability in an Entrepreneurship Ecosystem: A Case Study of a Social Incubator in Mexico

Candidates for Master's Degrees

Spring 2014

Anna Marie Krithis, M.A.

Building Sustainable Enterprises Through Human Resource Development: The Sun Devil Dining Green Captain Program

James Douglas Culver, M.SUS.

Haarlemmermeer Beyond Sustainability Applied Project

Joshua Jeffrey Davis-Welty, M.SUS.

End-to-End Materials Management: Embedding Sustainability Within Paradise Valley Unified School District

Tamsin Lea Foucrier, M.SUS.

Reinvent Phoenix: Uptown District Vision

Jaimi Sara Ann Inskeep, M.SUS.

Project Management for Science and Technology Policy Workshop: Haarlemmermeer Beyond Sustainability Project

Michael J. Moreau, M.SUS.

Bison Management in the Social-Ecological System of the Jackson Hole Valley

Chelsi Lynn Tryon, M.SUS.

End-to-End Materials Management: Embedding Sustainability Within Paradise Valley Unified School District

Candidates for Doctoral and Master's Degrees

Summer 2014

Omayya Heidi Ahmad, Ph.D.

A Systems Approach to Understanding and Mitigating Barriers to Accessibility and Well-Being in the West Bank, Palestine

Robert William Kutter, Ph.D.

Demystifying Beneficiary Participation and Its Effects in International Development

Yoshi Budiyo, M.S.

Water Efficiency in Agriculture: A Study of the Adoption of Water Conserving and Profitable Irrigation Technology in Arizona

Sarah-Laura de la Torre Dolins, M.SUS.

Maushaus: Creation of a Sustainable Arizona-Climate Microdwelling For Sustainability Outreach and Education

Candidates for Bachelor's Degrees

BACHELOR OF ARTS

INTERNATIONAL DEVELOPMENT AND SUSTAINABILITY

Laura Azevedo Dominguez

Anna Jean Bettis, *Summa Cum Laude*

William Powell Carothers

Jordyn Michelle Colemon

Alexandra Izuel Evans, *Summa Cum Laude*

Alex Lea Neal

Benjamin Robert Paulat

Justin James Spencer, *Magna Cum Laude*

Corey Cy-Berniece Strawhun, *Magna Cum Laude*

POLICY AND GOVERNANCE IN SUSTAINABLE SYSTEMS

Chelsea Lee Glaser, *Magna Cum Laude*

Sean Joseph Martin, *Cum Laude*

Keshet Benhaim Miller, *Magna Cum Laude*

Bianca Celeste Osorio, *Magna Cum Laude*

Derek Matthew Pezzella, *Summa Cum Laude*

Monique Ashley Reveles

Alexis Marie Roeckner, *Cum Laude*

Emmery Rose Wegener, *Cum Laude*

Timothy Jon Zastrow

Candidates for Bachelor's Degrees

BACHELOR OF ARTS

SOCIETY AND SUSTAINABILITY

Ryan Biggs, *Magna Cum Laude*
Gina Elena Conrow, *Magna Cum Laude*
Corinne Nicole DiVittorio, *Summa Cum Laude*
Jacob Thomas Gabelman
Molly Katherine Goldsmith, *Magna Cum Laude*
Kathleen Nicole Hegyesi, *Summa Cum Laude*
Hannah Hook
Deborah Kuhns, *Summa Cum Laude*
Megan Leigh McHugh, *Summa Cum Laude*
Kaila Ann Retzlaff
Andrew Corey Swaim, *Cum Laude*
Natalia Burba Trulsson
Kyle Philip Underseth, *Summa Cum Laude*
Marena Lindy VanOrden, *Magna Cum Laude*

SUSTAINABLE URBAN DYNAMICS

Emily Elizabeth Allen, *Summa Cum Laude*
Kristin Caringer, *Magna Cum Laude*
Jesus Daniel Chavez
Devon Edwards
Katherine Virginia Foster, *Cum Laude*
Nathan Allan Ralph, *Cum Laude*
Chad Michael Sharrard

Candidates for Bachelor's Degrees

BACHELOR OF SCIENCE

ECONOMICS OF SUSTAINABILITY

Connor Michael Foley, *Cum Laude*
Kevin Robert Keleher, *Summa Cum Laude*
John Philip Quinn, *Cum Laude*
Jordan Ray Russell
Joshua Michael Vigh, *Magna Cum Laude*

SUSTAINABLE ECOSYSTEMS

Nicolas Louis Ansara
Hirbod Behbahania, *Cum Laude*
Linsey Erin Boswell, *Summa Cum Laude*
Breanna Lynn Dykstra
Sara Haidle, *Summa Cum Laude*
Mark Joseph Henry, *Magna Cum Laude*
Sean O'Neill-Ryan, *Magna Cum Laude*
Carlotta Colleen Paonessa, *Summa Cum Laude*
Brandy Jo Rowland, *Magna Cum Laude*
Shayan Serajeddini, *Magna Cum Laude*

BACHELOR OF SCIENCE

SUSTAINABLE ENERGY, MATERIALS, AND TECHNOLOGY

Mitchell Allen Alsup
Everett Mark Behrens
Kelsey Booth
Jon Brandau, *Magna Cum Laude*
Elizabeth Anne Champagne, *Summa Cum Laude*
Hannah Elizabeth Chandler, *Magna Cum Laude*
Gregory Steven Chavez, *Cum Laude*
Maximilian Peter Christman, *Summa Cum Laude*
Victoria Delgado, *Magna Cum Laude*
Joseph Nicco Galbiati, *Cum Laude*
Jose Armando Garcia
Michael Louis Gianoulakis
Tyler Ellis Gillespie
Andrew Keith Hubler, *Magna Cum Laude*
Joshua David Leger, *Summa Cum Laude*
Brett Anthony Melendez
Alexander John Parma, *Summa Cum Laude*
Kevin Charles Quinn
Austin Joseph Ryan

BACHELOR OF SCIENCE

Sustainable Energy, Materials, and Technology cont.

Cecilia Sanabria
Austin Spikes
Jacquelyn Annette Starr
Kevin Allen Storey
Frank Michael Trombino, *Summa Cum Laude*
Brianna Danielle Tsatskin
Torren Nikolas Valdez
Briana Kensie VanGosen
Jonathan Russell Wilson
Aaron Ray Young, *Cum Laude*
Mohamed Ali Zeitoun, *Summa Cum Laude*

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 last 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

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

Regalia



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.

Honor Society for Sustainability Stoles

In 2012, Arizona State University established the nation's first Honor Society for Sustainability, a network of sustainability scholars who have demonstrated academic excellence and are committed to solving global challenges of sustainability. Students who applied and have met the academic requirements established by the chapter can be identified by their scarab green stoles, the mark of their achievement.



Arizona State University Caps and Gowns

Arizona State University has partnered with Herff Jones to reduce waste and greenhouse gas emissions. ASU's graduation caps and gowns are made from 100% recycled materials. Each time one of these gowns is manufactured, 29 plastic bottles are saved from the landfill. Unifi, who makes the Repreve® fabric, donates a portion of sales to worthy environmental causes. ASU's Sun Devil Campus Stores provide graduation gown collection bins during December for fall and May for spring commencement. Students can drop off their used gowns at any one of ASU's Sun Devil Campus Stores' collection bins. The gowns will be sent to the manufacturer to be recycled back into Repreve® fibers, which will be used to produce new caps and gowns for future graduates. The School of Sustainability also collects donated gowns for re-use in future ceremonies.