

spring 2013 convocation

May 9, 2013 ASU Gammage



Message from the Dean

Welcome to Arizona State University and the nation's first 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 men and women are ready to move forward in excellence to the next level of their careers. Whether they stay in academia and choose to do research and teach others, or move into jobs that require practical application of everything they have gained in this institution, they will take with them the memories and knowledge imparted on them by this school and this university. We honor them, their hard work and discipline. We acknowledge the completion of this part of their journey and remember fondly the time we had the privilege of spending with them.

Our students and graduates are addressing some of the most critical challenges of our time, and the knowledge and solutions that they create today will shape the quality of life for future generations. They are thinking in new ways about the natural and social environment, about equity between different parts of the planet, about the norms and aspirations of its peoples, and about what is realistically achievable in a world that will soon count nine billion inhabitants.

The candidates we honor today join their predecessors in what will surely be a long and distinguished line of sustainability graduates; they are the intellectual capital upon which so much of our future depends. We count on them to be wise citizens in the complex world we live in today. Their decisions and actions will impact us all.

We hope they continue to reach out into society to help identify and implement practical 'sustainability solutions' in a wide range of domains, from urban planning and management to alternative energy, environmental decision-making, supply-chain management and food security, seeking the best outcomes for both human and natural environments both now and into the indefinite future.

All these aspects of our program strive to make sustainability a fundamental cornerstone of the cultures of the many societies inhabiting our planet, and of the behavior of the people involved.



I wish today's graduates the very best and look forward to remaining connected and collectively furthering the cause of a sustainable planet!

A handwritten signature in black ink, appearing to read 'Sander van der Leeuw', with a horizontal line underneath.

Sander van der Leeuw
Dean of the School of Sustainability

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 both undergraduate and graduate programs leading to degrees in sustainability. Students can earn a Bachelor of Arts, Bachelor of Science, Doctor of Philosophy, Master of Arts, Master of Science, or an applied Master of Sustainable Solutions.

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

Master of Ceremonies

Brigitte Bavousett, M.S.

Associate Faculty and Student Recruitment & Retention Specialist

Senior, School of Sustainability

President, School of Sustainability Alumni Chapter

Welcome

Sander van der Leeuw, Ph.D.

Dean and Professor, School of Sustainability

Professor, School of Human Evolution and Social Change

Senior Sustainability Scientist, Global Institute of Sustainability

Greetings from the Global Institute of Sustainability

Gary Dirks, Ph.D.

Director, Global Institute of Sustainability

Teaching Faculty, School of Sustainability

Julie A. Wrigley Chair, Practice of Sustainable Energy Systems,

School of Sustainability

Director, LightWorks

Distinguished Sustainability Scientist, Global Institute of Sustainability

Honored Guests

School of Sustainability Faculty

Special Awards

Christopher G. Boone, Ph.D.

Associate Dean for Education, School of Sustainability

Professor, School of Sustainability

Professor, School of Human Evolution and Social Change

Senior Sustainability Scientist, Global Institute of Sustainability

Student Speakers

Graduate

Auriane Koster, Ph.D.

Undergraduate

Jaleila Brumand, B.S.

School of Sustainability

Order of Events *(continued)*

Introduction of Doctoral and Master's Degree Candidates

Reader

Nalini Chhetri, Ph.D.

Teaching Faculty, School of Sustainability

Senior Lecturer, School of Sustainability

Senior Sustainability Scientist, Global Institute of Sustainability

Introduction of Bachelor's Degree Candidates

Readers

Daniel L. Childers, Ph.D.

Professor, School of Sustainability

Teaching Faculty, School of Sustainability

Senior Sustainability Scientist, Global Institute of Sustainability

Sonya Remington Doucette, Ph.D.

Teaching Faculty, School of Sustainability

Senior Lecturer, School of Sustainability

Senior Sustainability Scientist, Global Institute of Sustainability

Video Montage

All Will Be Well

by The Gabe Dixon Band

Closing Remarks

Aaron Golub, Ph.D.

Assistant Professor, School of Sustainability

Teaching Faculty, School of Sustainability

Assistant Professor, School of Geographical Sciences and Urban

Planning, College of Liberal Arts and Sciences

Senior Sustainability Scientist, Global Institute of Sustainability

Recessional

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

Sign language interpreters provided by Arizona Interpreting Service, Inc

Convocation photography by Sharon Price

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

Candidates for Doctoral and Master's Degrees

Spring 2013

Susan Spierre Clark, Ph.D.

Examining a Sustainable Approach to Global Climate Change Policy

Erin N. Redman, Ph.D.

Development, Implementation, and Evaluation of Sustainability Education Through the Integration of Behavioral Science into Pedagogy and Practice

Sainan Zhang, Ph.D.

Socio-Ecological Drivers and Consequences of Land Fragmentation Under Conditions of Rapid Urbanization

Seth Herron, M.A.

Greenhouse Gas and Water Footprint of Sodexo's Global Supply Chain

Dorothy Anna Trippel, M.A.

Tools for Problem- and Project- Based Learning in Sustainability Science Education

Angela Xiong, M.A.

Participatory Design of a Comprehensive Playground Intervention Manual for Obesity Mitigation in Phoenix, AZ

Nivedita Rengarajan, M.S.

Solid Waste Management in India: Finding Sustainable Pathways for the City of Bangalore

Candidates for Doctoral and Master's Degrees

Summer 2013

Rider Foley, Ph.D.

Towards Sustainable Anticipatory Governance: Analyzing and Assessing Nanotechnology Innovation Processes

Auriane Koster, Ph.D.

An Institutional Approach to Understanding Energy Transitions

Tamara Hope Lawless, Ph.D.

Harnessing the Impact of Schools: New Insights for Sustainable Community Development

Drew Gary Bryck, M.A.

Energy Efficiency Policy in Arizona: Public Participation and Expert Consultation in the Policy Implementation Process

Cathy Rubinos, M.A.

Institutional Analysis of Water Management for Agriculture in the Chancay-Lambayeque Basin, Peru

Colin Patrick Kunzweiler, M.S.

West Nile Virus in Maricopa County, Arizona: Investigating Human, Vector, and Environmental Interactions

Xuyang Tank, M.S.

Food Environment Around School and Students' Weight Status: A Study of Four New Jersey Low-Income Communities

Candidates for Bachelor's Degrees

Spring 2013

Donna Marie Avallone, B.A.
*Sustainable Urban Dynamics
Track, Summa Cum Laude*

Bradley Charles Beckman, B.A.
*Sustainable Urban Dynamics
Track*

Mario Dominic Bomani Braxton,
B.A.
*Policy and Governance in
Sustainable Systems Track,
Magna Cum Laude*

Debra A. Budge, B.A.
*Society and Sustainability Track,
Magna Cum Laude*

Hannah Audreyelle Cardenas,
B.A.
*Society and Sustainability Track,
Summa Cum Laude*

Marcos Daniel Casillas, B.A.
*Sustainable Urban Dynamics
Track, Cum Laude*

Mariela Castaneda, B.A.
*International Development
and Sustainability Track,
Summa Cum Laude*

Lynn DeAnne Coppedge, B.A.
*Sustainable Urban Dynamics
Track, Summa Cum Laude*

Miranda E. Fisher, B.A.
*Policy and Governance in
Sustainable Systems Track,
Summa Cum Laude*

Hal Frost, B.A.
*Sustainable Urban Dynamics
Track*

Jennifer A. Hannan, B.A.
*Sustainable Urban Dynamics
Track*

Nicholas Austin Johnson, B.A.
*Sustainable Urban Dynamics
Track*

Kendon Michael Jung, B.A.
*Sustainable Urban Dynamics
Track, Magna Cum Laude*

Brian Edward Karren, B.A.
*Sustainable Urban Dynamics
Track*

Lainiek Celene Ketchum, B.A.
*Society and Sustainability Track,
Cum Laude*

Monica Ashley Kielawa, B.A.
Society and Sustainability Track

Emily Amanda Knuerr, B.A.
*Society and Sustainability Track,
Cum Laude*

Candidates for Bachelor's Degrees *(continued)*

Alexandra Margaret Krechel, B.A.
Society and Sustainability Track

Hyejung Lim, B.A.
*Society and Sustainability Track,
Summa Cum Laude*

Alexia Leah Liston, B.A.
*Sustainable Urban Dynamics
Track*

Sarah Doris Mertins, B.A.
*Sustainable Urban Dynamics
Track, Summa Cum Laude*

Julia Christine Mowry, B.A.
Society and Sustainability Track

Juliana Pignotti, B.A.
*International Development
and Sustainability Track,
Summa Cum Laude*

Emily Anne Pomilio, B.A.
*Society and Sustainability Track,
Cum Laude*

Cameron Michael Pritulsky, B.A.
*Sustainable Urban Dynamics
Track*

Molly Marie Rother, B.A.
*Sustainable Urban Dynamics
Track, Cum Laude*

Alexa Marie Ryder, B.A.
Society and Sustainability Track

Katherine Marie Schumacher,
B.A.
*Society and Sustainability Track,
Summa Cum Laude*

Alesha Kaye Sloan, B.A.
*Sustainable Urban Dynamics
Track*

Kaylie Brooke Thompson, B.A.
*Sustainable Urban Dynamics
Track*

Natalia Burba Trulsson, B.A.
Society and Sustainability Track

Danielle Brittany Van Vleet, B.A.
*Sustainable Urban Dynamics
Track, Magna Cum Laude*

Schyler Alexandria Wadolny, B.A.
*Policy and Governance in
Sustainable Systems Track*

Helen Marie Welker, B.A.
*Sustainable Urban Dynamics
Track, Summa Cum Laude*

Danielle Marie Westrom, B.A.
*International Development
and Sustainability Track,
Magna Cum Laude*

Candidates for Bachelor's Degrees

Bryce Troy Wilde, B.A.
*Sustainable Urban Dynamics
Track*

Kevin Michael Zeck, B.A.
*Society and Sustainability Track,
Summa Cum Laude*

Alexander Ellsworth Zener, B.A.
*Policy and Governance in
Sustainable Systems Track,
Cum Laude*

Connor Edwin Adams, B.S.
Sustainable Ecosystems Track

Roberta Jill Armour, B.S.
*Sustainable Energy, Materials,
and Technology Track*

Trisha Lynn Artman, B.S.
*Economics of Sustainability
Track*

Scott Larson Bateman, B.S.
*Sustainable Energy, Materials,
and Technology Track*

Tyler Zane Bingham, B.S.
*Sustainable Energy, Materials,
and Technology Track*

Brian Broomall, B.S.
*Sustainable Energy, Materials,
and Technology Track,
Summa Cum Laude*

Jaleila Katherine Brumand, B.S.
*Economics of Sustainability
Track, Summa Cum Laude*

Christopher Robert Buccola, B.S.
*Sustainable Energy, Materials,
and Technology Track*

Ryan Burm, B.S.
*Sustainable Energy, Materials,
and Technology Track,
Summa Cum Laude*

Khoa Xuan Cao, B.S.
*Sustainable Energy, Materials,
and Technology Track,
Magna Cum Laude*

Mackenzie Lauren Durham, B.S.
*Sustainable Energy, Materials,
and Technology Track*

Andrew James Eckenrode, B.S.
*Sustainable Energy, Materials,
and Technology Track,
Cum Laude*

Kena Fedorschak, B.S.
*Sustainable Energy, Materials,
and Technology Track,
Summa Cum Laude*

Trever Austin Fleetham, B.S.
*Sustainable Energy, Materials,
and Technology Track,
Cum Laude*

Candidates for Bachelor's Degrees *(continued)*

Gayle Lindsay Frost, B.S.
*Sustainable Energy, Materials,
and Technology Track,
Magna Cum Laude*

Christian Peter Gort III, B.S.
*Sustainable Energy, Materials,
and Technology Track,
Cum Laude*

Jon Grantham, B.S.
*Economics of Sustainability
Track*

Davis John Graves, B.S.
*Sustainable Energy, Materials,
and Technology Track,
Summa Cum Laude*

Elizabeth Mae Hakanson, B.S.
*Sustainable Energy, Materials,
and Technology Track*

Joseph Keynan Hennessy, B.S.
*Economics of Sustainability
Track, Magna Cum Laude*

Adelle Hill, B.S.
*Sustainable Energy, Materials,
and Technology Track,
Cum Laude*

Kim Negemias Hill, B.S.
Sustainable Ecosystems Track

Tyler Gordon Jackson, B.S.
*Sustainable Energy, Materials,
and Technology Track*

Denise Elaine Johnson, B.S.
Sustainable Ecosystems Track

Jennifer Elizabeth Johnson, B.S.
*Sustainable Ecosystems Track,
Magna Cum Laude*

Samantha Christian Kohlwey, B.S.
*Sustainable Ecosystems Track,
Cum Laude*

Alanna Mileva Lehy, B.S.
*Sustainable Energy, Materials,
and Technology Track*

Crystal Amra Mallick, B.S.
*Sustainable Energy, Materials,
and Technology Track*

Jeremy Joseph Marcinko, B.S.
*Sustainable Ecosystems Track,
Cum Laude*

Alexandria Mitchell, B.S.
*Sustainable Energy, Materials,
and Technology Track,
Summa Cum Laude*

Martin Montes De Oca, B.S.
*Sustainable Ecosystems Track,
Cum Laude*

Candidates for Bachelor's Degrees

Tyler James Moore, B.S.
*Sustainable Energy, Materials,
and Technology Track*

Stephanie Joy Morse, B.S.
*Sustainable Energy, Materials,
and Technology Track*

Amanda Helen O'Malley, B.S.
Sustainable Ecosystems Track

Kenneth Regan Owen, B.S.
*Sustainable Energy, Materials,
and Technology Track*

Kathleen Ann Palmer, B.S.
*Sustainable Ecosystems Track,
Summa Cum Laude*

Justin Taylor Pfladderer, B.S.
*Sustainable Energy, Materials,
and Technology Track*

Lynn Pratte, B.S.
*Sustainable Energy, Materials,
and Technology Track,
Magna Cum Laude*

Scott Ross Raby, B.S.
*Sustainable Energy, Materials,
and Technology Track*

Elise Cecele Ranger, B.S.
*Sustainable Energy, Materials,
and Technology Track,
Magna Cum Laude*

Emily Rosen, B.S.
*Sustainable Ecosystems Track,
Summa Cum Laude*

Matthew Kent Roybal, B.S.
*Economics of Sustainability
Track*

Jason Javid Saeedi, B.S.
*Economics of Sustainability
Track*

Austin Murdock Sheil, B.S.
*Sustainable Energy, Materials,
and Technology Track,
Cum Laude*

Mary Hannah Smith, B.S.
*Economics of Sustainability
Track, Summa Cum Laude*

Waleed Khaled Sunna, B.S.
*Sustainable Energy, Materials,
and Technology Track*

Allison Marie Weidemann, B.S.
*Economics of Sustainability
Track, Summa Cum Laude*

Nich Weller, B.S.
*Sustainable Ecosystems Track,
Summa Cum Laude*

Andrew Joseph Wittig, B.S.
*Sustainable Energy, Materials,
and Technology Track,
Cum Laude*

Candidates for Bachelor's Degrees *(continued)*

Summer 2013

Anthony J. Dewitt, B.A.
*Sustainable Urban Dynamics
Track and Technology Track*

Ché Ronell Everett Star, B.A.
*Society and Sustainability Track,
Cum Laude*

Quinn Michael Taplin, B.A.
*International Development
and Sustainability Track*

Amy Kristina Weaver, B.A.
*Policy and Governance in
Sustainable Systems Track*

Mitchell Allen Alsup, B.S.
*Sustainable Energy, Materials,
and Technology Track*

Chanel Mink Fitch-Kirkpatrick,
B.S.
*Sustainable Energy, Materials,
and Technology Track,
Magna Cum Laude*

Jessica Leggette, B.S.
*Economics of Sustainability
Track, Cum Laude*

Rud Lamb Moe, B.S.
*Sustainable Energy, Materials,
and Technology Track,
Cum Laude*

Christopher Robert Moorman,
B.S.
*Sustainable Energy, Materials,
and Technology Track,
Cum Laude*

Andrea Norris Reighley, B.S.
Sustainable Ecosystems Track

Sean Mark Sederstrom, B.S.
*Sustainable Energy, Materials,
and Technology Track*

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. Renew 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 Repreve®, donates a portion of sales to worthy environmental causes. ASU's Sun Devil Campus Stores' provides graduation gown collection bins during December for fall and May for spring commencement. Students can drop off their used gowns to 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.

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.