

# spring 2016 convocation

**May 12, 2016** ASU Gammage Auditorium

CELEBRATING

10



EST. 2006

# Message from the Dean

Welcome to Arizona State University and the nation's first and most highly regarded School of Sustainability – leading the way to a sustainable future since its inception in 2006. I am proud to join you on this remarkable occasion.

Convocation is a ceremony quite literally robed in medieval traditions, and 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 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 natural and social environments, 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.

As 2016 marks the 10th Anniversary of the School, the candidates we honor join their predecessors in a long and ever-growing line of distinguished sustainability graduates. They will be welcomed by a expansive network of people committed to putting sustainability into action – together, they will change the world for the better.

I look forward to seeing where our graduates go next and know it will be an exciting and fulfilling journey.



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. Most of all, be proud of yourself for reaching this remarkable milestone.

A handwritten signature in black ink that reads "Chris Boone". The signature is fluid and cursive, written in a professional but personal style.

**Christopher Boone**  
Dean of the School of Sustainability

# About the School of Sustainability

The School of Sustainability, now in its 10th Anniversary year, educates a new generation of scholars and practitioners. It creates innovative modes of scholarship by bringing together leaders and stakeholders from 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 a Bachelor of Arts, Bachelor of Science, Doctor of Philosophy, Master of Arts, Master of Science, Master of Sustainability Solutions, Master of Sustainability Leadership, or an Executive Master of Sustainability Leadership. 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](http://schoolofsustainability.asu.edu).

The School is part of the Julie Ann Wrigley 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](http://sustainability.asu.edu).



# Order of Events

## PROCESSIONAL

### **Master of Ceremonies**

Haley Paul, MS

*Water Conservation Specialist, Town of Gilbert  
Past-President, School of Sustainability Alumni Chapter*

### **Welcome**

Christopher G. Boone, PhD

*Dean and Professor, School of Sustainability  
Professor, School of Human Evolution and Social Change  
Senior Sustainability Scientist, ASU Wrigley Institute*

### **Greetings from the Julie Ann Wrigley Global Institute of Sustainability**

Rob Melnick, PhD

*Executive Director, ASU Wrigley Institute  
Presidential Professor of Practice, School of Sustainability  
Senior Sustainability Scientist, ASU Wrigley Institute*

### **Honored Guests**

School of Sustainability Faculty

### **Student Speakers**

*Graduate*

Alexandra Slaymaker, MSUS

*Undergraduate*

Kayla Bellman, BS

# Order of Events

## **Introduction of Doctoral and Master's Degree Candidates**

Reader

Joshua Abbott, PhD

*Associate Professor, School of Sustainability  
Senior Sustainability Scientist, ASU Wrigley Institute*

## **Introduction of Bachelor's Degree Candidates**

Readers

Candice Carr Kelman, PhD

*Assistant Director, School of Sustainability  
Senior Sustainability Scientist, ASU Wrigley Institute*

Sonja Klinsky, PhD

*Assistant Professor, School of Sustainability  
Senior Sustainability Scientist, ASU Wrigley Institute*

## **Video Montage**

## **Closing Remarks**

Gary Dirks, PhD

*Director, ASU Wrigley Institute  
Teaching Faculty, School of Sustainability  
Julie Ann Wrigley Chair Practice of Sustainable Energy Systems,  
School of Sustainability  
Director, LightWorks  
Distinguished Sustainability Scientist, ASU Wrigley Institute*

## **RECESSIONAL**

*Sign language interpreters provided by Arizona Interpreting Service, Inc.*

*Convocation photography by Grad Images*

*View commencement videos, order convocation photos and connect with fellow alumni at [http://links.asu.edu/SOS\\_Alumni](http://links.asu.edu/SOS_Alumni)*

# Candidates for Doctoral Degrees

## Spring 2016

Sharon Mei Amani, PhD

*Building and Measuring the Capacity of Farmers' Organizations:  
The case of the United Nations World Food Programme's Purchase  
for Progress*

Michael Jordan Bernstein, PhD

*Responsible Innovation and Sustainability: Interventions in  
Education and Training of Scientists and Engineers*

Jared Thomas Yoder Stoltzfus, PhD

*Facilitating Phosphorus Recovery Through Improved Waste  
Management*

# Candidates for Master's Degrees

Hideaki Azy Azuma, EMSL

*Ignite Sustainability Leadership with Mindfulness*

Dena M. Baldwin, EMSL

*Go Big! At Strengthening Your Companies' Employee  
Engagement and Experience Sustainability Success*

Tara Dawn Briscoe, EMSL

*Green Small Biz - Sustainability Solutions for Small Business*

Evelyn Brumfield, EMSL

*Sustainability Empowerment for Businesses, a New Program from  
Keep Phoenix Beautiful*

Antonia Carolina Castro-Graham, EMSL

*Creating a Sustainable Manufacturing Economy in Orange County*

Karen Abell Cecil, EMSL

*Sustainable Material Efficiency*

# Candidates for Master's Degrees

## Spring 2016

Jamie Ryan Cook, EMSL

*Cohousing - A Commons Future*

Lisa Estrada, EMSL

*Peoria Fire Goes Green*

Warren Scott Gorowitz, EMSL

*In Touch with Nature*

Jennifer Roberts Johnson, EMSL

*Global Learning and Development Strategies to Accelerate Sustainable Business*

Sarah Jean Lyon, EMSL

*Reuse*

Denise Maldonado-Avitia, EMSL

*We Got This in the Bag*

John Sirota Martinson, EMSL

*Full Stream Ahead: Supply Chain Sustainability & Storytelling for Restaurant Operators*

Deborah O. Mayfield, EMSL

*Driving Towards Zero - Waste IT*

Dawn Mai-ling Olsen, EMSL

*Getting Fans in the Sustainability Game: Fan Activation Strategies for the Arizona Diamondbacks*

Deven Thomas Patten, EMSL

*Envision Nu Skin3.0: Sustainable Innovation for the Future*

Jeremiah O. Powless, EMSL

*Balancing Act*

Jennifer Rose Ruggiero, EMSL

*Humanitarian Stewardship: A Path to the Future*

Kristopher Charles Spector, EMSL

*Partnerships Through Transparency*

# Candidates for Master's Degrees

## Spring 2016

Alexandra Moeseva Stinchfield, EMSL

*Four Peaks: Roadmap to Water Sustainability*

Tyler Lee Sytsma, EMSL

*Sustainability Consulting*

Molly Elise Cashion, MA

*Integral Connections: Bridging the religion-science boundary in environmental education camps in Alabama*

Neda Movahed, MA

*Living in harmony: Exploring multi-dimensional well-being with underrepresented health and education communities*

Robert Barton, MSUS

*The Jubilee Project: Social Change Gamification of Urban Sustainability Initiatives Via A Well Being Lens*

Anna Jean Bettis, MSUS

*Adaptive Comanagement for Sustainable Recreation on Rivers and Uplands in the Verde Valley*

Ashley Davieau Briggs, MSUS

*USAID Research and Innovation Fellowship*

David Michael Cardello, MSUS

*Culminating Experience Project: IRC Aquaponic Incubator Farm*

Jessica Rae Hus, MSUS

*Long-term Sustainable Behavior Change of Phoenix Zoo Guests Through Strategic Interactions and Extended Engagement*

Suzanne Bolding Jumper, MSUS

*Water and Quality of Life: A comparative case study analysis between American and Guatemalan neighborhoods*



# Candidates for Master's Degrees

## Spring 2016

**Cassandra Lubenow, MSUS**

*Internship with Local First Arizona. Encouraging sustainable business practices: the unique case of SMEs*

**Nathan Martin, MSUS**

*Internship at the College of Menominee Nation*

**Sarah M. Moratto, MSUS**

*Understanding Waste Diversion: A Two Part Project*

**Aryn Nicole Musgrave, MSUS**

*Long-term Sustainable Behavior Change of Phoenix Zoo Guests Through Strategic Interactions and Extended Engagement*

**Sambhram Patel, MSUS**

*Multi-Family Recycling: Implementation Models*

**Erin Claudia Pulford, MSUS**

*Understanding the relationships between water quality, recreational fishing practices, and human health in Phoenix, AZ*

**Zacary Baron Richards, MSUS**

*NASA DEVELOP Internship*

**Christopher Robinson, MSUS**

*Examining the Business Case and Models for Sustainable Multifunctional Landscaping Enterprises in the Phoenix Metro Area*

**Tara Lee Simo, MSUS**

*Creating Shared Language and Employee Engagement at Salt River Project*

**Wayne Warrington, MSUS**

*Long-term Sustainable Behavior Change of Phoenix Zoo Guests Through Strategic Interactions and Extended Engagement*

# Candidates for Doctoral and Master's Degrees

## Summer 2016

Vairavan Subramanian, PhD

*Addressing Uncertainty and Variability in 'Attributional' Life Cycle Assessment (LCA)*

Danielle Sarah Chipman, MA

*Fisheries in the News: How the media sets the agenda for seafood sustainability in the United States*

Benjamin Cassen MacNeille, MS

*The Phyllosphere in Phoenix's Urban Forest: Insights from a Publicly-Funded Microbial Environment*

Heather Catherine Turrentine, MS

*Perceptions of self-efficacy and controllability of outdoor water use*

Andrew Sean Lane, MSUS

*Applied Project*

Brett Schweizer Notarius, MSUS

*Organizational Food Recovery & Diversion*

Katie Elizabeth Peige, MSUS

*Mapping Sustainability Risk: Measuring Water and Climate Risk for AMD*

Alex Slaymaker, MSUS

*Illegal Dumping: An Applied Quality of Life Project in Cincinnati, OH Neighborhoods*

Martin Michael Smith, MSUS

*How to create a behavior-oriented 'smart' technology and design LEED credit*

Megan Kathleen Waldock, MSUS

*University Innovation and Technology Transfer: A comparison of AzTE and West Africa*

# Candidates for Bachelor's Degrees

## BACHELOR OF ARTS

### INTERNATIONAL DEVELOPMENT AND SUSTAINABILITY

Russell Cole Davis, *Cum Laude*

Brandon Stewart, *Magna Cum Laude*

Kevin Daniel Thompson

### POLICY AND GOVERNANCE IN SUSTAINABLE SYSTEMS

Taylor Leann Candley, *Cum Laude*

Ariel Lynn LeBarron, *Magna Cum Laude*

Alexander Raymond Medina

Paulina Murga Contreras

Emily Caitlin Tucker

Kimberly Ann Witgen, *Summa Cum Laude*

### SOCIETY AND SUSTAINABILITY

Callie Rose Alden, *Cum Laude*

Glaiza Boccelli, *Magna Cum Laude*

Victoria Yvette Comeaux, *Summa Cum Laude*

Morgan Elise Moore, *Summa Cum Laude*

Phillip Thomas Moore

Kaelyn Frances Polick-Kirkpatrick, *Summa Cum Laude*

Zoe Brooke Stein, *Magna Cum Laude*

Brynn Marie Szukala, *Magna Cum Laude*

Jenna Elaine Wolfenson, *Cum Laude*

### SUSTAINABLE URBAN DYNAMICS

Michael Andrew Balacco

Nikole Marie Bungler

Jayne Marie Foland, *Magna Cum Laude*

Omar Ashraf Hassan

David Myers

Tara Mae Pryts, *Summa Cum Laude*

Torin Spencer Sadow, *Summa Cum Laude*

# Candidates for Bachelor's Degrees

## BACHELOR OF SCIENCE

### ECONOMICS OF SUSTAINABILITY

Jessica Akemi Hoffmann, *Summa Cum Laude*

Krista Lawless, *Summa Cum Laude*

Andrew James Mcilvaine

Drake Joseph Moran, *Cum Laude*

Ellen Rose Snow, *Summa Cum Laude*

Adam Alexander Zogut, *Cum Laude*

### SUSTAINABLE ECOSYSTEMS

Shawn Stuart Rider Berry, *Cum Laude*

Felicia Naomi Coughlin

Trinity Chaz England, *Magna Cum Laude*

Bridget Rene Harding, *Summa Cum Laude*

Colby Lee Howell, *Summa Cum Laude*

Rebecca Lynch Mccarthy, *Summa Cum Laude*

Nadia Soraya Mouelhi

Marisa Noble

Daniela Kristiina Panfil, *Summa Cum Laude*

Katherine Phillips, *Summa Cum Laude*

Mayline Pumehana'okalani Wahinepio

# Candidates for Bachelor's Degrees

## BACHELOR OF SCIENCE

### SUSTAINABLE ENERGY, MATERIALS, AND TECHNOLOGY

Rick James Ahlf, *Summa Cum Laude*

Halima Alshehhi, *Magna Cum Laude*

Trevor Dean Arnold

Kayla Ann Bellman, *Cum Laude*

Bill Boucher, *Cum Laude*

Brandon Collins

Hayley Elizabeth Cook, *Summa Cum Laude*

Cordero Stafford Coronado, *Cum Laude*

Alexander Penn DeDora

Keelie Howell

Arnaud 'AJ' Irakoze, *Magna Cum Laude*

Patrick Lynden Kahne

Douglas Michael Lillis

Janis Lee Naomi Norton, *Summa Cum Laude*

Pannha Phok

Brandon Z. Ruiz, *Summa Cum Laude*

Caleb W. Schrank, *Summa Cum Laude*

Evan Erie Siegel, *Summa Cum Laude*

Edward Skibo

Brandon Wayne Thomas, *Cum Laude*

Jesse Andrew Walberer, *Summa Cum Laude*

Shannon Alyse Wojcik, *Summa Cum Laude*

Garrett Wong, *Magna Cum Laude*

Joseph Delaney Zarroli, *Cum Laude*

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

# 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*



## **The School of Sustainability Gonsalon**

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 gonsalon 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.

# Regalia

## School of Sustainability Undergraduate Academy

The academy program fosters academic success, leadership skills, community engagement, and persistence to graduate and reaching goals beyond graduation. Graduates of the academy



School of  
Sustainability  
Academy

have maintained a high GPA, participated in community services, have been engaged on campus, have demonstrated leadership experience, and have actively participated in the academy for at least two semesters. Graduating academy members can be identified by an academy pin, the mark of their achievement.

## 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 fabric, called Repeve<sup>®</sup>, 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 Repeve<sup>®</sup> fibers which will be used to produce new caps and gowns for future graduates. The School of Sustainability also collects donated gowns for reuse in future ceremonies.



ARIZONA STATE UNIVERSITY

[schoolofsustainability.asu.edu](http://schoolofsustainability.asu.edu)