2023 has been a year during which we experienced a new level of extremes including heat records on land and in the ocean, wildfires, floods, droughts, and accelerated melting of ice sheets. And all of these environmental extremes happen during a time of increasing societal instability signified by the wars between Russia and Ukraine and Israel and Hamas. At times like this when our planet and its life-supporting systems are experiencing unprecedented challenges, the work being done at the College of Global Futures is more important than ever before. The faculty and leadership in the college are dedicated to preparing students for the greatest challenges of our time and pushing forward solutions that transcend the limitations of conventional thinking.

I want to extend my heartfelt congratulations to the graduates, and my thanks to their families, friends, peers, and supporters joining us for this special convocation. It is wonderful to celebrate the great achievements of our graduates together. It is a recognition of all you have learned and done to complete your degree.

As you move out into the world, remember that you are the future. You will make discoveries, develop innovations, and create new ways of knowing that past generations couldn’t begin to imagine. You have developed the critical abilities, the capacity, and the ingenuity to bring about changes that reach beyond our present sphere of knowledge and produce new horizons for creating opportunities that allow everyone to thrive.

We know that actions speak louder than words. Let your actions help humankind create a thriving future. Thank you for your dedication, and congratulations on reaching this important milestone.

Peter Schlosser
Vice President and Vice Provost of Global Futures
Acting Dean, College of Global Futures
University Global Futures Professor
We all share a stake in the future. The College of Global Futures is dedicated to creating a sustainable, equitable and vibrant future for everyone.

The College of Global Futures prepares next-generation leaders with the knowledge, skills and mindsets they need to tackle complex global challenges. The college is home to the School for the Future of Innovation in Society, the School of Sustainability, the School of Ocean Futures and the School of Complex Adaptive Systems. It fosters creative interactions between students, staff, faculty and partners that elevate our ability to address the world’s complex and integrated social, environmental and technical systems. The College of Global Futures drives responsible innovation and leads ethical interventions that ensure a just, healthy and fulfilling future for everyone. Students learn how to develop enduring solutions that benefit all people everywhere on a thriving, healthy planet.
Scientific and technological advances are deeply intertwined with societal concerns. When we innovate, are we thinking critically about social and technical systems in a way that anticipates potential concerns so that we can be confident that what we are creating is both useful and good for our global future?

The School for the Future of Innovation in Society envisions responsible innovation at scale. Our students anticipate societal challenges and work across disciplines to examine areas such as global technology and development, biomedical and health ethics, public interest technology and policies for emerging technologies. We are grounded in the belief that by considering the ways in which we translate imagination into innovation, engaging the public and exploring the social impacts of technological and scientific advancements, we collectively build more just and equitable futures for all.

School of Sustainability students, diverse in their backgrounds and interests, work toward a common goal: leaving the world better than they found it. Students are drawn to this rapidly growing field because sustainability integrates social, economic and environmental dimensions to develop enduring and equitable solutions to global challenges.

Learning tracks within the school include energy and technology, international development, ecosystems management, urban dynamics, food systems, policy and governance and sustainability leadership. Our curriculum is grounded in experiential learning and practical faculty-led research, equipping graduates of the School of Sustainability with the skills and tools to make positive impacts in a rapidly changing world.
About the School of Complex Adaptive Systems

Uncertainty, scalability, thresholds (tipping points), path dependence... these are among the most pressing issues facing societies across the globe. The School of Complex Adaptive Systems explores these challenges, develops solutions and suggests interventions that enhance the resilience and well-being of our planet and our shared global futures.

Our planet is the ultimate complex system with many intertwined subsystems that envelop natural, social and technological systems that transcend traditional disciplinary boundaries. This visionary school engages wide-ranging national and international collaborations to advance the exploration of these systems and disseminate fundamental transdisciplinary knowledge through a unique set of academic graduate offerings.

About the School of Ocean Futures

The School of Ocean Futures addresses the current and future states of the ocean by exploring and investigating the challenges our oceans experience due to increasing pressure from human activities. It combines research and teaching facilities in the Pacific and Atlantic oceans with the cutting-edge research facilities on ASU's Tempe campus to provide students with a wide array of experiential learning opportunities that will prepare them to conduct work of significant impact.
COLLEGE OF GLOBAL FUTURES
(Established 2020)

Peter Schlosser, PhD
Vice President and Vice Provost for Global Futures
Acting Dean and Professor, College of Global Futures
Julie Ann Wrigley Global Futures Laboratory

Miki Kittilson, PhD
Vice Dean and Professor, College of Global Futures

Sharon J. Hall, PhD
Associate Dean of Student Success and President’s Professor,
College of Global Futures

Eusebio Scornavacca, PhD
Interim Director and Professor,
School for the Future of Innovation in Society

Manfred Laubichler, PhD
Director and President’s Professor,
School of Complex Adaptive Systems

Joshua Abbott, PhD
Acting Director and Professor, School of Sustainability

Susanne Neuer, PhD
Director and Professor, School of Ocean Futures
COLLEGE OF GLOBAL FUTURES CONVOCATION
2:00 p.m., Wednesday, December 13, 2023
ASU Gammage

Processional

Land Acknowledgement

Master of Ceremonies
Michael Barton, PhD
Professor, School of Complex Adaptive Systems

Welcome from the College of Global Futures
Miki Kittilson, PhD
Vice Dean

Recognition of Outstanding Graduates
Eusebio Scornavacca, PhD
Interim Director and Professor,
School for the Future of Innovation in Society

Outstanding Undergraduate
Donald Christoff, Jr., BA, Innovation in Society (not present)

Outstanding Graduate and Student Speaker
Jamie Winterton, PhD,
Human and Social Dimensions of Science and Technology
School Outstanding Graduates
Jamie Winterton, PhD – School for the Future of Innovation in Society
Jake Swanson, MS – School of Sustainability
Robin Berry, MS – School of Complex Adaptive Systems

School Outstanding Undergraduates
Donald Christoff, Jr., BA – School for the Future of Innovation in Society
Claudia Lumbi, BA – School of Sustainability

Presentation of Graduate Candidates
Mary Jane C. Parmentier, PhD
Deputy Director and Clinical Professor
School for the Future of Innovation in Society

Michael Schoon, PhD
Graduate Program Director and Associate Professor
School of Sustainability

Presentation of Undergraduate Candidates
Lauren Withycombe Keeler, PhD
Undergraduate Program Chair and Assistant Professor
School for the Future of Innovation in Society

Candice Carr Kelman, PhD
Assistant Clinical Professor, School of Sustainability

Message of Congratulations
Amy Hill
Master of Sustainability Leadership (‘23)
School of Sustainability

Alma Mater - Arizona State University
Music and Words by Ernest Hopkins and Miles Dresskell
Sung by vocal group Priority Male (Cameron Gray, Max Stanard, Wyatt Eastman and Dylan Stucki)

Recessional
Candidates for Doctoral Degrees

Doctor of Philosophy
Applied Mathematics for the Life and Social Sciences
Jun Chen

Doctor of Philosophy
Human and Social Dimensions of Science and Technology
Taylor Robert Genovese
Alaina Sarah George
Danielle Kabella
Jieshu Wang
Barbara Hickman Whye
Jamie Winterton

Doctor of Philosophy
Innovation in Global Development
Sydney Armstrong
Christopher Joseph Barton
Mahendra Nauth Kanhai
Girendra Persaud
Dwayne Shorlon Renville
Diana Seecharran
Davon Richard Walter Van-Veen

Doctor of Philosophy
Sustainability
Eve Lemonfresca Castille
Brenna Jungers
Marisa Kara Manheim
Matthew Nock
Candidates for Master’s Degrees

Master of Science

**Biomimicry**
Fatima Nasef Abunasrah
Mohamed Ahmed
Brandy Americk
Keshia Anderson
Kaene Antonio
Robin Leigh Berry
Ludmila Bogoslavsky
Culley Deisinger
Sasha Faizal
Miya Renee Giffin
Junious Harris
Hailey Ihlow
Annisa Jehning
Alannah Nichole Johnson
Niina Kuusanniemi-Abbotts
Andrew Meador
Madeline Nicholls
Nathaniel Jay ONeal
Elizabeth H. Remmes
Sirikhanate Sakulyong
Yasmine Sarraf
Daniel Kenneth Simons
Morag Margaret Anne Forrest Thornton
Hazel Unterschute

Master of Science and Technology Policy
Cat Swetel

Master of Science

**Global Technology and Development**
*(Applied International Development)*
Benjamin Fosbaugh
Yoona Michelle Lee
Jason Sampson
Gabriela Siem
Candidates for Master’s Degrees

Master of Science
Global Technology and Development
Elie Alkassouf
Nicole Cox
Juanne Marie Lumagui Deguzman
William Brantley Jones
Marieta Staykova Nedyalkova
Ashley Perry
Amanda Rodriguez de Carvalho
Felicia K. Turner

Master of Science
Public Interest Technology
Erika Chapman
Lionel Gamath-Goubili

Master of Science
Sustainable Food Systems
Jillian Dy
Amelia Dawn Freeberg
Connor Kaeb
Stephanie Lip
Abigail Martone-Richards
Allison Grace Perkins
Deborah Sadler
Kate Seybold

Master of Sustainability Solutions
Bryan Leyba
Molly Jordan Longton

Master of Science
Sustainability
Jake Ryan Swanson
Candidates for Master’s Degrees

Master of Sustainability Leadership
Rebecca Auslander
Jocelyn Azada
Kelly Baalouchi
sonali bhalla
Laura Cardona Gomez
Brittney Dales
Brenna Dowd
Cassidy Drew
Emiliee Estrada
Craig Farthing
Megan Ferguson
Carmia B. Frazier
Kailynn Aja Glenn
Kaycee Lyn Halla
Ashley Jordan Hannig
Aya Tarek Helmy
Sarah Jameson
Henry Muriuki Kaibunga
Ryan Lamkin
Alexis Marie Laverdiere
Emily Victoria Magyar
Karen Manor
Paulina Martin
Julie Melville
Spencer Miller
Miquette Morris
Jules Morris
Kristen Murphy
Christa North
Nadine Oboyle
Karin Perissinotto
Samantha Jo Podratsky
Karishma Porwal
Victoria Roberson
Rachael Schowalter
Evan Michael Shook
Jessica St Andre
Candidates for Bachelor’s Degrees

**Bachelor of Arts**

**Innovation in Society**
Donald Paul Christoff *summa cum laude*
Denny Miguel Gutierrez
Ryan William Radcliff
Gabriel Ammirata *summa cum laude*
Michael Epps *cum laude*
Lauren Elizabeth Richards *summa cum laude*
Joy Elsbeth Truss *summa cum laude*

Candidates for Master’s Degrees

**Master of Sustainability Leadership** continued
Codie Sterner
Cathy Strittmatter
Jennifer Antonia Thompson
Katrina Tierney
Gabriella Marie Ulloa
Allie Wright

**Executive Master of Sustainability Leadership**
Lauren Blair
David Burgess
Ben Cherry
Brenda Clark
Crissy Forrest
Amy Goebel Hill
Shaun Miller
Stephen Mink
Steven Sobo
Jason Stowell
Laura Wilkinson Sinton
Alice Young
Candidates for Bachelor’s Degrees

Bachelor of Arts
Sustainability
Jennifer Bliss Aber magna cum laude
Salman Alkuhaimi cum laude
Sydney Alexandra Austin cum laude
Avery L. Becker magna cum laude
Anjelica Mary Linda Bertrand cum laude
Thomas J. Bosch cum laude
Steven Chacon magna cum laude
Morgan Arleen Dubbe
Emma Jade Ewoniuk cum laude
John Glynn cum laude
Violette Rae Guzman summa cum laude
Adeline Asha Hegde summa cum laude
Hannah Rose Jeffries summa cum laude
Elisabeth Lynn Knutson
Noel Larson magna cum laude
Nicole Lettner summa cum laude
Zhehao Li
Claudia Lumbi summa cum laude
Emily Mitchell cum laude
Nicholas Joseph Nauser
Shelby Nemetz summa cum laude
Sydney Bell O'Connor magna cum laude
Amy Diane Oliver magna cum laude
Martha Puentes cum laude
Grace E. Quinn summa cum laude
Michelle Marie Refuerzo summa cum laude
Elyass Sadouq
Sofia Saldivar summa cum laude
Brianna Marie Staley summa cum laude
Patricia Stoica
Daanish Tung magna cum laude
Renee-Angeli Ogaco Villarino
Kadison Willis summa cum laude
Thalia Zielinski magna cum laude
Cheyenne Zlatic
Candidates for Bachelor’s Degrees

Bachelor of Science
Sustainability
Naif Ahmed A Al Abdulal
Mustafa Nouri Alqaraghuli magna cum laude
Daniel Josiah Baugh summa cum laude
Devon Bernard cum laude
Reece Adam Bethay summa cum laude
Elora Bevacqua summa cum laude
Alex Birkeland
Hannah Jean Blessing magna cum laude
Darrell Cheng
Aurea Cintra magna cum laude
Madeline Pearl Cordischi Hinson cum laude
Jade Madison Cox-Tobias
Robert Kyle Currier summa cum laude
Rhiannon Draegan-Snider
Emily Ann Marie Ernsfksen
Megan Ewy summa cum laude
Nicole Kristen Ferriolo cum laude
Marisa Forse cum laude
Sarah Nicole Froxylia
Anya Gage summa cum laude
Jillian Garner magna cum laude
Michael Vincent Glowatski summa cum laude
Shayna Grace Green magna cum laude
Sherri Lynn Hartsell
Kelly Ann Hartweg
Chad Heinrich
Richard Immerman
Octavio R. Izaurralde
Ollie Jais magna cum laude
Meher Chinmayi Kankipati cum laude
Chelsea Lee Kasney
Eleanore Mae Kelleher
Christopher Habin Kim
Jayme Knerr cum laude
Matthew Koester cum laude
Ryley Krull magna cum laude
Joy Lloyd magna cum laude
Candidates for Bachelor’s Degrees

Bachelor of Science
Sustainability continued
Hermance Luff summa cum laude
James Anthony Mays summa cum laude
Kate Montgomery summa cum laude
Julia Katherine Morici
Josette Laine Mudd cum laude
Mikaela Naranjo
Michael Nixon
Shakarah Christie Okoye cum laude
Luis Ortiz-Quero summa cum laude
Olivia Parker-Swenson summa cum laude
Benjamin Parrado magna cum laude
Jessica N. Perez
Madeleine E. Pierce magna cum laude
Junerey Orias Piojo magna cum laude
Taylor James Raby cum laude
Trista Reed magna cum laude
Emma Nicole Spicer magna cum laude
Kourtney Michele St. Clair magna cum laude
Lily Grace Surmay
Mitchell Anthony Timme summa cum laude
Marissa Veneziale cum laude
Jeanne Wegner summa cum laude
Chance White
Eliza White cum laude
Brooke Wilde
Andrew Wilsey cum laude
Candidates for Bachelor’s Degrees

**Bachelor of Science**
**Sustainable Food Systems**
Amanda Gomez
Tammy Hartzog Greene
Danielle Nicole Hadley *summa cum laude*
Gerardo Ortiz
Grace Marie Phillips
Lauren Victoria Pype *summa cum laude*

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

**College of Global Futures 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, and white. The circular form is used to symbolize the earth, and references the idea of “global.” The three interweaving parts within the circle offer a dynamic infrastructure to the foundation of “global futures,” while the three different textures are applied to reflect complexity, they are organized and unified by the same color. The swirl orientation of the parts brings movement, energy and focus to the center. The intention of using an outlined circle is to bring contrast and openness to the complexity. It implies possibility.
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
ASU 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 Repreve®, 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 College of Global Futures also collects donated gowns for reuse in future ceremonies.