



**SCHOOL OF MARINE &
ATMOSPHERIC SCIENCES
CONVOCATION**

Celebrating the Class of 2020

FRIDAY, MAY 22, 2020



CARL SAFINA

Dr. Carl Safina's work explores how humans are changing the living world, and what the changes mean for non-human beings and for us. His work fuses scientific understanding, emotional connection, and a moral call to action.

His writing has won a MacArthur "genius" prize; Pew and Guggenheim Fellowships; book awards from Lannan, Orion, and the National Academies; and the John Burroughs, James Beard, and George Rabb medals. He earned a PhD in ecology from Rutgers studying seabirds, then spent a decade working to ban high-seas drift nets and to overhaul U.S. fishing policy.

Safina is the first Endowed Professor for Nature and Humanity at Stony Brook University and is founding president of the not-for-profit Safina Center. He hosted the PBS series *Saving the Ocean*. His writing appears in *The New York Times*, *TIME*, *Audubon*, *Yale e360*, and on the Web at National Geographic, Huffington Post, CNN.com, and elsewhere.

He is author of the classic book, *Song for the Blue Ocean*. Carl's tenth book is *Becoming Wild: How Animal Cultures Raise Families, Create Beauty, and Achieve Peace*. He lives on Long Island, New York with his wife Patricia and their dogs and feathered friends.



Sylvia Earle

Dr. Sylvia Earle is an American marine biologist, explorer, author, and lecturer. She has been a National Geographic explorer-in-residence since 1998.

Earle was the first female chief scientist of the U.S. National Oceanic and Atmospheric Administration, and was named by Time Magazine as its first Hero for the Planet in 1998. She is also part of the group Ocean Elders, which is dedicated to protecting the ocean and its wildlife. She is an Ocean conservation scientist and President and Chairman of Mission Blue. Dr. Earle is the first woman to become chief scientist for NOAA. Author of more than 200 publications and leader of more than 100 ocean expeditions with well over 7,000 hours under water, she holds a doctorate degree from Duke University, plus 27 honorary doctorates.

Time magazine's first Hero for the Planet, Living Legend by the Library of Congress, 2014 UNEP Champion of the Earth, Glamour magazine's 2014 Woman of the Year, member of the Netherlands Order of the Golden Ark, winner of the 2009 TED Prize, the Walter Cronkite Award, the 1996 Explorers Club Medal, the Royal Geographic Society 2011 Patron's Medal, and the National Geographic 2013 Hubbard Medal.

**SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES
UNDERGRADUATE AND GRADUATE CONVOCATION
MAY 22, 2020**

Welcoming Remarks..... Dr. Paul Shepson, Dean

Convocation Address..... Dr. Carl Safina
..... Dr. Sylvia Earle

Awarding of Undergraduate Certificates

Atmospheric Programs Dr. Brian A. Colle, Advisor
 B.S. in Atmospheric and Oceanic Sciences

Marine Programs Dr. Kamazima M.M. Lwiza, Advisor
 B.A. in Environmental Studies
 B.S. in Marine Sciences
 B.S. in Marine Vertebrate Biology

Sustainability Programs Dr. Katherine Aubrecht, Director
 B.S. in Coastal Environmental Studies
 B.A. in Ecosystems and Human Impact
 B.A. in Environmental Design, Policy and Planning
 B.A. in Environmental Humanities
 B.A. in Sustainability Studies

Undergraduate Research Honors

Stony Brook Alumni Association Dean's Choice Awards Mr. Matthew Colson,
Executive Director of Alumni Relations

Petra M. Udelhofen Memorial Scholarship Award..... Dr. Brian A. Colle

Timothy Magnussen Memorial Scholarship..... Dr. Brian A. Colle

Nuria Protopopescu Memorial Award for
Excellence in Teaching..... Dr. Robert C. Aller

Pikitch Family Endowed Student Research Award Dr. Ellen Pikitch

Awarding of Masters and Doctoral Certificates

Master of Arts in Marine Conservation
and Policy Certificates Dr. Glenn R. Lopez, Advisor

Master of Science and Doctoral Certificates in
Marine and Atmospheric Sciences Dr. David E. Black

Best Thesis/Dissertation Award

Closing Remarks..... Dr. Paul Shepson, Dean

CANDIDATES FOR UNDERGRADUATE DEGREE

Bachelor of Science in Atmospheric and Oceanic Sciences

Benjamin Bacon

Bridget Hyland

Justin Bettenhauser

William Rong

Matthew Conticchio

Robert Schmidt

Michael Cooke

Anna Smith

Michael Dimaiuta

Magdalena Wrobel

Skyler Graap

Bachelor of Arts in Environmental Studies

Alexis Bashta

Shelby Layton

Andrew Boardman

Sarah Martin

Karyn Cassidy

Erline Martinez

Arthur Cody

Angela Minelli

Samantha Dequarto

Alex Montalvo

Lijia Gao

Joseph Murphy

Frank Griffo

Jacalyn Padilla

Tea Grzanov

Mia Ramirez

Katelyn Hill

Julianna Russo

Kyle Huhn

Gina Marie Schultz

Jade Killean

Emily Stevenson

Jessica Klassert

Alisson Vera

Michael Langer

Minor in Environmental Studies

Tiffany Cui

Phoebe Ma

Emelie Einhorn

Isaiah Momplaisir

Sila Gecir

Margaret Osborne

Kellie Gunning

Sophia Wang

CANDIDATES FOR UNDERGRADUATE DEGREE

Bachelor of Science in Marine Sciences

Peter Austin	Kimberly Marko
Kaitlyn Carr	Christopher Mikolaitis
Katelyn Castler	Samantha Mislinksi
Nicole Cruz	Jennifer Repp
Tiffany Cui	Angelo Macapagal San Pablo
Flynn Delany	Marcella Wallace
John Dimarzo	

Minor in Marine Sciences

Thomas Boskamp	Phoebe Ma
Arthur Cody	Qingyang Ma
Emelie Einhorn	Amy Okano
Claire Garfield	Joshua Porta
Alicia Gonzalez	Lynne Richardson
Alyson Hall	

Bachelor of Science in Marine Vertebrate Biology

Hannah Abbott	Delphine Mossman
Cassidy Bell	Kallen Muste
Laura Bonilla	Camilla Piechocki
Christina Cloutier	Tessa Reynolds
Corrin Da Silva	Mateo Rivera
Alfredo Esposito	Ana Shore
Julia Lopez	John Thraen

Bachelor of Science in Coastal Environmental Studies

Christopher Biondi	Jesenia Laureano
Adam Dean	Kyle Walter
Yakut Karali	

Minor in Coastal Environmental Studies

Nicholas Cormier	Magdalena Wrobel
Robert Schmidt	

CANDIDATES FOR UNDERGRADUATE DEGREE
Bachelor of Arts in Ecosystems and Human Impact

Miranda Gonzales

William Moore

Brianna Michel

Adam Peretzman

Alyssa Mikesh

Minor in Ecosystems and Human Impact

Flynn Delany

Samantha Murphy

Lijia Gao

Clara Tucker

Tea Grzanov

Bachelor of Arts in Environmental Design, Policy and Planning

Elizabeth Aranguiz

Francis Tomasso

Alaaddin Baskurt

Dong Xia

Tess Kelly

Nancy Yang

Brandon Morgan

Joie Yee

Esthela Ocampo

Ziai Zhou

Minor in Environmental Design, Policy and Planning

Dominique Tjondro

Bachelor of Arts in Environmental Humanities

Hongyu Fan

Krislyn Rodriguez

Taylor Larson

Minor in Environmental Humanities

Anna Smith

Bachelor of Arts in Sustainability Studies

Orlando Avellaneda II

Kevin Peterson

Benjamin Lahood

Elyssa Torres

Anthony Otters

Shannon Wright

Minor in Sustainability Studies

Tomer David

Emma Morse

Elizabeth Doscher

Seema Ramjit

Maximillian Kitaychik

Joseph Woltering

Minor in Geospatial Science

Cassidy Bell

Christopher Mikolaitis

Lauren Bunce

Jennifer Repp

Michael Cooke

Angelo Macapagal San Pablo

Flynn Delany

Francis Tomasso

Emelie Einhorn

Joie Yee

Skyler Graap

Zachary Zysberg

Alina Lance

UNDERGRADUATE HONORS

Degrees of Distinction

Undergraduate Research Honors

Flynn Delany

*Infection presence of *Phytophthora* in current and historic *Zostera marina* beds
of eastern Long Island Bays*

Dr. Bradley J. Peterson, Advisor

Mia Ramirez

*The response of earthworms (*Eisenia fetida*) and soil microbes
to Crumb Rubber Leachate*

Dr. Sharon Pochron, Advisor

Catherine Sander

The Implications of BPS as a substitute for BPA

Dr. Sharon Pochron, Advisor

Robert Schmidt

Modeling Ridge-and-runnel formation on Long Island's ocean shoreline

Dr. Henry J. Bokuniewicz, Advisor

UNDERGRADUATE AWARDS

Stony Brook Alumni Association Dean's Choice Award

Atmospheric Sciences	Benjamin Bacon
Environmental Studies	Samantha Dequarto & Jade Killean
Marine Sciences	Delphine Mossman
Sustainability Studies	Kevin Peterson & Taylor Larson

Petra M. Udelhofen Memorial Scholarship Award

Austin Reed

Timothy Magnussen Memorial Scholarship

Grace Ahn
Timothy Skula

GRADUATE AWARDS

Nuria Protopescu Memorial Award for Excellence in Teaching

Samantha Nyer

Pikitch Family Endowed Student Research Award

Evan Ingram

CANDIDATES FOR GRADUATE DEGREE

Master of Arts in Marine Conservation and Policy

Kayla Clauson	Amanda Gorman
Dylan Corbett	Karine Kleinhaus
Hope Dickens	Robert Rodriguez
Allegra Ervin	Elizabeth Salzman
Jane Feng	Nolan Slattery
Jonathon Gaare	

CANDIDATES FOR GRADUATE DEGREE

Master of Science in Marine and Atmospheric Sciences

Michelle Barbosa

Physiological and Molecular Traits Associated with Resilience to Ocean Acidification in Crassostrea virginica
Dr. Bassem Allam, Advisor

Ashley Braunthal

Studying Paleo-Redox Conditions Recorded in Laminated Sediments of Bowers Ridge, Bering Sea (IODP Expedition 323, Site U1342)
Dr. Laura Wehrmann, Advisor

Timothy Curtin

Effects of Buffering Muds with Calcium Carbonate on the Growth, Survival, and Behavior of Juvenile Hard Clams (Mercenaria mercenaria)
Dr. Christopher J. Gobler, Advisor

Elizabeth Najman

Stochastic Parameterization in the Zhang McFarlane Deep Convection Scheme
Dr. Kevin A. Reed, Advisor

Samantha Nebylitsa

Snow Particle Properties Estimation Using Surface-Based and Remotely Sensed Measurements by the Stony Brook Radar Observatory
Dr. Pavlos Kollias, Advisor

Sarah Nickford

Mechanisms Controlling the Summertime Inter annual Variability of Summertime Sea Surface Temperatures and Chlorophyll-a in the Northwest Atlantic
Dr. Kamazima M.M. Lwiza, Advisor

Kaitlyn O'Toole

Development of a Bio-optical Model For Application Towards Seagrass Restoration Within the Peconic Bay estuary (Long Island, NY)
Dr. Bradley J. Peterson, Advisor

Jacob Segall

Storm-scale Polarimetric Radar Signatures Associated with Tornado Dissipation in Supercells
Dr. Michael M. French, Advisor

CANDIDATES FOR GRADUATE DEGREE

Doctor of Philosophy in Marine and Atmospheric Sciences

Diego Cardeñosa

*Development and Applications of DNA Forensics to
Global Shark Conservation and Law Enforcement*

Dr. Demian D. Chapman, Advisor

Megan Hahn

*The Role of Microbes in the Interaction Between the Cestode
Parasite Schistocephalus solidus and its Threespine Stickleback Host*

Drs. Nolwenn Dheilly and Robert Cerrato Co-Advisors

Lisa Herbert

Trace Metal Cycling and Fluxes in Glacially Influenced Fjord Sediments

Dr. Laura Wehrmann, Advisor

Evan Ingram

*Movement Ecology of Juvenile and Sub-adult Atlantic Sturgeon in the
Hudson River and New York Bight*

Dr. Michael G. Frisk, Advisor

Seanna Mallon

*Multiphase Oxidation and Photochemistry of
Biomass Burning Aerosol Proxies: Kinetics and Products*

Dr. Daniel A. Knopf, Advisor

Maren Mitch

Impact of Diet on Three Commercially Important Long Island Species

Dr. Robert M. Cerrato, Advisor

Samantha Nyer

*The Influence of Plants on Nitrogen Biogeochemical Cycling
in Constructed Wetlands*

Dr. Roy E. Price, Advisor

Matthew Siskey

*Implications of Partial Migration, Redefined Stock Structure, and
Depleted Age Structure for Stock Assessment of
Winter Flounder (*Pseudopleuronectes americanus*)*

Dr. Michael G. Frisk, Advisor

CANDIDATES FOR GRADUATE DEGREE

Doctor of Philosophy in Marine and Atmospheric Sciences

Abigail Tyrell

*Separating the Effects of Seawater Viscosity and Temperature
on Copepod Biology and Ecology*

Dr. Nicholas S. Fisher, Advisor

Ryan Wallace

Coastal Ocean Acidification: Dynamics and Potential to Affect Marine Mollusks

Dr. Christopher J. Gobler, Advisor

Hang Yin

*Cable Bacteria and Their Influence on the Sulfur Cycle in
Bioturbated Sediments*

Drs. Qingzhi Zhu and Robert C. Aller, Advisors

Best M.S. Thesis Award

Evan Horowitz

Best Ph.D. Dissertation Award

Yang Zhou

Closing Remarks, Dr. Paul Shepson, Dean

