



UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

CONVOCATION

MAY 16, 2020

**SCHOOL OF EARTH, SOCIETY,
& ENVIRONMENT**

I

ILLINOIS

College of Liberal Arts & Sciences

VIRTUAL COMMENCEMENT ADDRESS

12 P.M. | CHANCELLOR ROBERT J. JONES

TO OUR GRADUATES

Today you are graduates of the University of Illinois. It is a remarkable achievement, and we hope that you celebrate the occasion with loved ones. Commencement is a joyous and deeply symbolic event for all, including the faculty members and staff who have supported you on your journey. It is profoundly disappointing that we are unable to celebrate it together this spring. The Class of 2020 will long be remembered, however, for not only what was lost, but for your resilience and determination as you finished your degree in the face of one of the greatest challenges in our nation's history.

Congratulations, and we look forward to learning of your future success.

“HAIL TO THE ORANGE”

Hail to the Orange, Hail to the Blue,
Hail Alma Mater, Ever so true.
We love no other, So let our motto be,
Victory, Illinois, Varsity!

ACADEMIC DRESS

Academic dress, consisting of cap, gown, and hood, originated about the twelfth century and was worn primarily for warmth. Subsequently, the material of the gown and lining, and the shape of the hood, represented the economic and social, as well as academic status of the wearer.

In the United States, the great majority of the academic costumes now worn are in accordance with the general provisions of the Intercollegiate Code of 1895, which was revised in 1932 and again in 1960. Under this code, the bachelor's gown has pointed sleeves, the master's gown has oblong sleeves with an arc at the bottom, and the doctor's gown has bell-shaped sleeves. All gowns are black, although the adoption of colored gowns by individual institutions in the United States is becoming more prevalent.

The bachelor's and master's gowns are untrimmed. The doctor's gown is faced down the front with velvet and has three bars of velvet across the sleeves. The facing and bars may be black or may be the color of the subject to which the degree pertains. The bachelor's gown is worn closed; the master's and doctor's gowns may be worn open or closed. Women may wear white collars with the bachelor's gown when no hood is worn.

Hoods are also black. The bachelor's hood is 3 feet in length, the master's is 3 ½ feet, and the doctor's is 4 feet. Hoods are lined with the official color or colors of the college or university conferring the degree. At the University of Illinois, the lining is orange and blue. The colored velvet border of the hood, which is 2 inches, 3 inches, and 5 inches wide for the bachelor's, master's, and doctor's degree respectively, identifies the faculty or field of study to which the degree pertains.

The black mortarboard cap is standard in the United States. Usually, all tassels are black, but where the graduating seniors do not wear hoods, as at the University of Illinois, the color of the cap tassel indicates the department of study. At the University of Illinois, candidates for degrees wear tassels on the right front quadrant of their caps before degrees are conferred, and move them to the left front quadrant after degrees are conferred. Caps are considered a part of the costume and are customarily removed only during an invocation or benediction, and then by men only.

For all academic purposes, including trimmings of doctor's gowns, edging of hoods, tassels of caps, and linings of banners, there are different colors associated with the different disciplines. The color for Liberal Arts & Sciences is white.

Caps and gowns were worn for the first time at the University of Illinois Commencement ceremony of 1897. In the early 1900s the Commencement procession marched up Burrill Avenue to the old Armory. After diplomas were received, the procession marched back to the lawn south of Green Street. The seniors sang the State song and "Auld Lang Syne" before they said good-bye to each other and the campus.

LAS ADMINISTRATION

Feng Sheng Hu, Harry E. Preble Dean of the College of Liberal Arts & Sciences

Angela Graham, Assistant to the Dean

Barbara Hancin-Bhatt, Associate Dean for Student Academic Affairs

Robert Kessler, Assistant Dean for Finance and Resource Planning

Kelly A. Ritter, Associate Dean for Curricula and Academic Policy

David H. Tewksbury, Executive Associate Dean of Social and Behavioral Sciences and Area Centers

Matthew A. Ando, Associate Dean for Life and Physical Sciences

Martin Camargo, Associate Dean for Humanities and Interdisciplinary Programs

Joan M. Volkmann, Associate Dean for Advancement

Isabel Molina-Guzmán, Faculty Director for Diversity and Inclusion

W. Brad Petersen, Executive Director of Communications and Marketing

Derek Fultz, Director of Facilities

Randy McCarthy, Faculty Director of ATLAS

SCHOOL OF EARTH, SOCIETY, & ENVIRONMENT

DEPARTMENT HEADS AND SCHOOL DIRECTOR

Thomas Johnson, Head, Department of Geology

Robert Rauber, Director, School of Earth, Society, & Environment

Robert J. Trapp, Head, Department of Atmospheric Sciences

Shaowen Wang, Head, Department of Geography & Geographic Information Science

FACULTY

Kwame Adovor Tsikudo, Geography & Geographic Information Science

Stephen Altaner, Geology

Alison Anders, Geology

Jay Bass, Geology

James Best, Geography & Geographic Information Science and Geology

Jessica Choate, Atmospheric Sciences

Max Christie, Geology

Julie Cidell, Geography & Geographic Information Science

Piotr Cienicala, Geography & Geographic Information Science

Jessica Conroy, Geology

Larry Di Girolamo, Atmospheric Sciences

Chunyuan Diao, Geography & Geographic Information Science

Francina Dominguez, Atmospheric Sciences

Jennifer Druhan, Geology

Bruce Fouke, Geology
Jeffrey Frame, Atmospheric Sciences
Patricia Gregg, Geology
William Guenther, Geology
Bruce Hannon, Geography & Geographic Information Science
Deanna Hence, Atmospheric Sciences
Atul Jain, Atmospheric Sciences
Brian Jordan Jefferson, Geography & Geographic Information Science
Brian Jewett, Atmospheric Sciences
Rob Kanter, Earth, Society, & Environmental Sustainability
Shakil Bin Kashem, Geography & Geographic Information Science
Mei-Po Kwan, Geography & Geographic Information Science
Mark Lara, Geography & Geographic Information Science
Sonia Lasher-Trapp, Atmospheric Sciences
Lijun Liu, Geology
Ann Long, Geology
Craig Lundstrom, Geology
Stephen Marshak, Geology
Sara McLafferty, Geography & Geographic Information Science
Anna Nesbitt, Atmospheric Sciences
Stephen Nesbitt, Atmospheric Sciences
Gary Parker, Geology
J. Cory Pettijohn, Geology
Cristi Proistosescu, Atmospheric Sciences and Geology
Nicole Riemer, Atmospheric Sciences
Bruce Rhoads, Geography & Geographic Information Science

Rob Sanford, Geology
Murugesu Sivapalan, Geography & Geographic Information Science
Xiaodong Song, Geology
Ryan Sriver, Atmospheric Sciences
Michael Stewart, Geology
Jonathan Tomkin, School of Earth, Society, & Environment
Zhuo Wang, Atmospheric Sciences
David Wilson, Geography & Geographic Information Science
Gillen Wood, Geology
Donald Wuebbles, Atmospheric Sciences
Wendy Yang, Geology

AWARDS AND HONORS

ATMOSPHERIC SCIENCES

Ogura Award for Outstanding Senior in Atmospheric Sciences

Bridget Rose Ketter

Ogura Award for Outstanding Undergraduate Research

Antonio M. Elizondo

Scott Gregory James

Bridget Rose Ketter

Jasmine Lara

Marley Elizabeth Majetic

Michael Thomas Ragauskis

Graduate College Master's Fellowship

Antonio M Elizondo

EARTH, SOCIETY, & ENVIRONMENTAL SUSTAINABILITY

Outstanding Senior

Melanie Ann Rohla

GEOGRAPHY & GEOGRAPHIC INFORMATION SCIENCE

Gamma Theta Upsilon

Jarod Brent Fox

Samah Nuha Quadri

Anthony D. Scarborough

Howard Roepke Undergraduate Scholarship

Andrea B. Bautista

Tyler J. Blackwell

Anthony Edward Haloulos

Julyssa B. Morales

Samah Nuha Quadri

Collin Richard Schuricht

William Roland Webb

Yuchen Zou

Jerome Fellmann Award

Samah Nuha Quadri

John Thompson Award

Collin Richard Schuricht

Yanbing Yi

Yvette B. Hernandez Undergraduate Scholarship

Julyssa B. Morales

Samah Nuha Quadri

GEOLOGY

Estwing Award

Cameron Michael Desilva

R. James Kirkpatrick Award for Outstanding Graduate Research in Geology

Allie Wyman

Harriet Wallace Outstanding Woman Graduate Student Award

Haley E. Cabaniss

Harriet Wallace Outstanding Woman Undergraduate Student Award

Jinyu Wang

Harriet Wallace Geology Graduate Student Service Award

Julia Cisneros

AWARDS AND HONORS

Harriet Wallace Geology Undergraduate Student Service Award

Katie M. Mander

Outstanding Graduate Teaching Assistant Award

Nooreen Meghani

Nicole Kathleen Murray

Outstanding Senior Award

Claire M. Williams

GRADUATES WITH DEPARTMENTAL DISTINCTION

Highest Distinction

ATMOSPHERIC SCIENCES

Antonio M. Elizondo

Justin Phillip Jones

Britta S. Sindelar

EARTH, SOCIETY, & ENVIRONMENTAL SUSTAINABILITY

Shelby Cheyenne Job

Nikolas Eric Merten

GEOLOGY

Claire M. Williams

High Distinction

ATMOSPHERIC SCIENCES

Bridget Rose Ketter

Marley Elizabeth Majetic

Michael Thomas Ragauskis

EARTH, SOCIETY, & ENVIRONMENTAL SUSTAINABILITY

Bridget Rose Ketter

Hannah R. Rachlis

Brooke Mae Wilson

GEOGRAPHY & GEOGRAPHIC INFORMATION SCIENCE

Tyler J. Blackwell

Jarod Brent Fox

Naina Gupta

Anthony Edward Haloulos

Justin Phillip Jones

Collin Richard Schuricht

Nicholas Craig Shapland

Yanbing Yi

GEOLOGY

Jack Dylan Brown

AWARDS AND HONORS

Distinction

ATMOSPHERIC SCIENCES

Nathan Alvarez
Scott Gregory James
Jasmine Lara
Da Wei Qiu

EARTH, SOCIETY, & ENVIRONMENTAL SUSTAINABILITY

Emily A. Carroll
Gwendolyn Chloe Heidkamp

GEOGRAPHY & GEOGRAPHIC INFORMATION SCIENCE

McKenzie Colyer
Eric Mark Czamota
Paul Lastra
Timothy McCabe Manning
Samantha Barrie Myers Miller
Samah Nuha Quadri
Anthony D. Scarborough
Brandon Michael Smith
Yuchen Zou

GEOLOGY

Cameron Michael Desilva
Katie M. Mander
McKailey Mary Sabaj

GRADUATES WITH UNIVERSITY DISTINCTION

Chancellor's Scholars

Nicholas Craig Shapland, *Geography & Geographic
Information Science*

James Scholars

Jarod Brent Fox, *Geography & Geographic Information Science*
Nikolas Eric Merten, *Earth, Society, &
Environmental Sustainability*
Claire M. Williams, *Geology*

Phi Beta Kappa

Bridget Rose Ketter, *Atmospheric Sciences*

GRADUATES AND CANDIDATES

The lists are organized by degree. Because of production deadlines, lists may be incomplete.

BACHELOR OF ARTS/BACHELOR OF SCIENCE CANDIDATES

ATMOSPHERIC SCIENCES

Nathan Alvarez
Timothy Scott Calamari
Ian Christian Cornejo
Antonio M. Elizondo
Megan C. Geyer
Rylan J. Housenga
Scott Gregory James
Justin Phillip Jones
Bridget Rose Ketter
Jasmine Lara
Marley Elizabeth Majetic
Audrey Leigh Moore
Johnathan Murphy
Anna Rene Olsen

Alyssa A. Pappas
Da Wei Qiu
Michael Thomas Ragauskis
Britta S. Sindelar
Tyler Robert Solomon
Yang Yu

EARTH, SOCIETY, & ENVIRONMENTAL SUSTAINABILITY

Lindsay M. Albright
Abigail A. Baker
Madeline E. Barone
Sarah Berger
Kathryn R. Bowman
Emily A. Carroll
Xiaoyang Chen
McKenzie Colyer
Matthew J. Gaither
Andrew Timothy Garrett
Elie Ann Green
Donald W. Hamlin
Brandon Matthias Hausser
Gwendolyn Chloe Heidkamp

Taylor Christine Holin
Autumn T. Holmes
Shelby Cheyenne Job
Gabrielle Alexandra Jones
Bridget Rose Ketter
Christina F. Kwiatt
Seong Hyun Lee
Zachary W. Limon
Ruben Lopez
David Meraz
Nikolas Eric Merten
Hannah Million
Paris Monaghan
Cristian Andres Nunez
John Joseph Palmer
Todd A. Peterson
Nicole Marie Pinsky
Hannah R. Rachlis
Melissa J. Rodriguez
Leah O. Rogers
Sydney Simone Catherine Spencer
Mitchell Storter
Edward Thai
Joseph A. Theodore
Logan B. Tipsword

GRADUATES AND CANDIDATES

Tony L. Tran
Sebastian Alexander Valdes
Brooke Wilson
Brooke Leigh Witkins

GEOGRAPHY & GEOGRAPHIC INFORMATION SCIENCE

Adeniyi Kolade Adeleye
Romeo Angelo Basa-Denis
Andrea B. Bautista
Tyler J. Blackwell
Samuel Robert Caputo
McKenzie S. Colyer
Eric Mark Czarnota
Jarod Brent Fox
Naina Gupta
Anthony Edward Haloulos
Deja Dominique Jackson
Justin Phillip Jones
Artyom Knurenko
Paul Lastra
Yuchieh Lou
Timothy McCabe Manning
Hannah Million

Julyssa B. Morales
Samantha Barrie Myers Miller
Nihar Ratnakar Nanavaty
Samah Nuha Quadri
Michael M. Rogalski
Leah O. Rogers
Andres Ruiz
Anthony D. Scarborough
Collin Richard Schuricht
James A. Sensenbrenner
Nicholas Craig Shapland
Brandon Michael Smith
William Roland Webb
Russell Miles Wilson
Yanbing Yi
Yuchen Zou

GEOLOGY

Jake I. Bean
Jack Dylan Brown
Christopher E. Campe
Miguel A. Castillo
Jesse James Chavez
Ty D. Chong
Cameron Michael Desilva

Ella M. Fried
Katie M. Mander
Edward Charles Newman-Johnson
Nicole L. Nussel
McKailey Mary Sabaj
Nicole Faye Tank
Claire M. Williams

GRADUATES AND CANDIDATES

MASTER OF ARTS/MASTER OF SCIENCE CANDIDATES

ATMOSPHERIC SCIENCES

Alexander John Adams, *"High Resolution Numerical Simulation of a Nocturnal Mesoscale Convective System: Comparison with PECAN Observations"*

Luke Robert Allen, *"Quantifying Entrainment and Dilution in Numerical Simulations of Developing Thunderstorms"*

Carolina A. Bieri, *"Impacts of Large-Scale Soil Moisture Anomalies on Regional Hydroclimate in Southeastern South America"*

Devin Andrew Chehak, *"Analyses of Quasi-Linear Convective System Tornado Characteristics, Environments, and Genesis Mechanisms"*

Shaowen Amy Chen, *"Environments Associated with Giant Hail-Producing Thunderstorms in Northern Argentina"*

Eunkyoung Choi, *"Modeling About the Combined Effect of Various Environmental Factors on Net Land Carbon Flux in the Present and Future"*

Jessica T. Gasparik, *"Particle-Resolved Modeling for Evaluating Assumptions in Aerosol Studies"*

Cameron Jordan Miller, *"Radar Observations of Misovortices within Multiple Long-Lake-Axis-Parallel Lake-Effect Bands During the Owles Project"*

Lina Rivelli Zea, *"RELAMPAGO-CACTI Drop Size Distribution Observations and the Implications for Hydrologic Studies"*

Michael F. Sessa, *"The Observed Relationship between Tornado Intensity and Pretornadoic Mesocyclone Characteristics"*

Adam C. Springer, *"Investigation of the Structure of Natural Orographic Clouds Embedded within Atmospheric River Type Flow over the Payette Mountains in Idaho"*

Sarah Szymborski, (Non-Thesis), *"Prediction Skill of Rapid Arctic Sea Ice Loss in the ECMWF Reforecasts"*

Javier Alfredo Villegas Bravo, *"Cloud Detection from Passive Satellite: An Operational Cloud Mask for the NASA Multi-Angle Imager for Aerosols"*

Troy J. Zaremba, *"Cloud Top Phase Characterization of Cold Sector Southern Ocean Clouds and Primary Ice Production at Warm Cloud Top Temperatures: Results from the SOCRATES Field Campaign"*

Shichu Zhu, (Non-Thesis), *"Subseasonal to Seasonal (S2S) Predictability with Machine Learning Techniques"*

GEOGRAPHY

Alexander Fojtik, *"Short-Term Response of a Mountain Stream to a Sediment Pulse and Major Flood"*

Lirong Kou, *"Listening to Urban Sound: Understanding Human Mobility, Sound Exposure, and Well-Being"*

Evan Lindroth, *"Objectively Identifying Spatial Variability in Bankfull Stage"*

Dong Liu, *"Measuring Spatial Mismatch and Job Access Inequity Based on Transit-Based Job Accessibility for Poor Job Seekers"*

GRADUATES AND CANDIDATES

Erica Massey, *"Addressing Emergency Preparedness Inequality at an Individual Scale: A Case Study of Hurricane Harvey"*

Sadia Sabrina, *"High-Resolution Spatial And Temporal Evolution Of Two-Dimensional Flow Structure In Confluence Shear Layers"*

Professional Science Master's (Non-thesis)

Busranur Cakal
Tianshun Deng
Zizhao Ge
Wenhao Gu
Aaron King
Hyun Seok Moon
Malik Moulton
Yang Qiu
Nurmakhan Ziyadin

GEOLOGY

Nicole Kathleen Murray, *"Holocene Guano Influences on Eutrophication and Lacustrine Ecology at Kettle Lake, North Dakota"*

DOCTOR OF PHILOSOPHY

ATMOSPHERIC SCIENCES

Joseph A. Finlon, *"Environmental Dependence of Mass-dimension Relationships and Investigation of Microphysical Observations of a Southern Hemisphere Atmospheric River"*

Benjamin Aaron Vega-Westhoff, *"Application of the Hector-BRICK Reduced Complexity Earth System Model for Probabilistic Climate Projection"*

GEOGRAPHY

Yaping Cai, *"Data-intensive Crop Knowledge Discovery in the Era of CyberGIS and Machine Intelligence"*

Zhuo Chen, *"Airport Surrounding Area Development in China"*

Melissa Heil, *"How Much are our Lives Worth?: Water, Reproduction, and Geographies of American Austerity"*

Luis Alfonso Escobedo Paredes, *"Three Papers in Economic Geography"*

Arrianna Marie Planey, *"Hearing Health Care in the United States: A Multi-Scale Spatial & Political Economic Analysis of Health Care Policy And Access to Audiology Services"*

Donald Planey, *"Growth, Prosperity, and Inequality After the Great Recession: A Regionalist Cultural Political Economy of Chicagoland"*

Li Xu, *"Advanced Space-Time Integration for Knowledge Discovery in Human Mobility Studies"*

Zewei Xu, *"CyberGIS-Enabled Remote Sensing Data Analytics for Deep Learning of Landscape Patterns and Dynamics"*

Dandong Yin, *"CyberGIS-enabled Reproducible Agent-based Modeling for Scalable Emergency Evacuation"*

GEOLOGY

Haley E. Cabanis, *"Volcanic Deformation as an Indicator of Mechanical Stability and Eruption Susceptibility"*

Michael Sanderson DeLucia, *"Insight from Thermochronology, Magnetotellurics, and Structural Analysis into the Tectonic Evolution of the Ozark Dome-Illinois Basin Region, Midcontinent USA"*

GRADUATES AND CANDIDATES

Nicole Marie Fernandez-Franzan, *“Stable Isotope and Trace Element Fractionation and Implications for Chemical Weathering Rates”*

Yuchen Liu, *“Linking Soil Respiration to Hydrologic Conditions and Climate Change”*

Naomi Wasserman, *“Exploring Te, Sb, and Se Stable Isotopes as Indicators of Elemental Mobility”*

Yi Yang, *“New Insights into the Differential Rotation of the Inner Core”*

Yan Zhan, *“Modeling Volcanic Unrest by Data Assimilation”*

SPECIAL THANK YOU

CONVOCATION COORDINATOR

Lana Holben, Geology and School of Earth, Society, & Environmental Sustainability

CONVOCATION ASSISTANTS

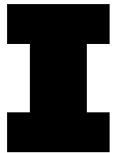
Matt Cohn, Geography & Geographic Information Science

Miranda Czerwonka, Geography & Geographic Information Science

Joe Jeffries, Atmospheric Sciences

Chandre Johnson, Geology and School of Earth, Society, & Environment

Tammy Warf, Atmospheric Sciences



Degree Information

This program contains an unofficial list of candidates for graduation in May and August 2020 and a list of graduates who received degrees in and December 2019. The list of May candidates is as accurate as possible; however, because of printing deadlines, names of some degree recipients may not appear, while names of degree candidates who have not completed degree requirements may be included.

The University's official registry for conferral of degrees is the Office of the Registrar, 901 W. Illinois St., Urbana, IL 61801.



ILLINOIS

College of Liberal Arts & Sciences

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