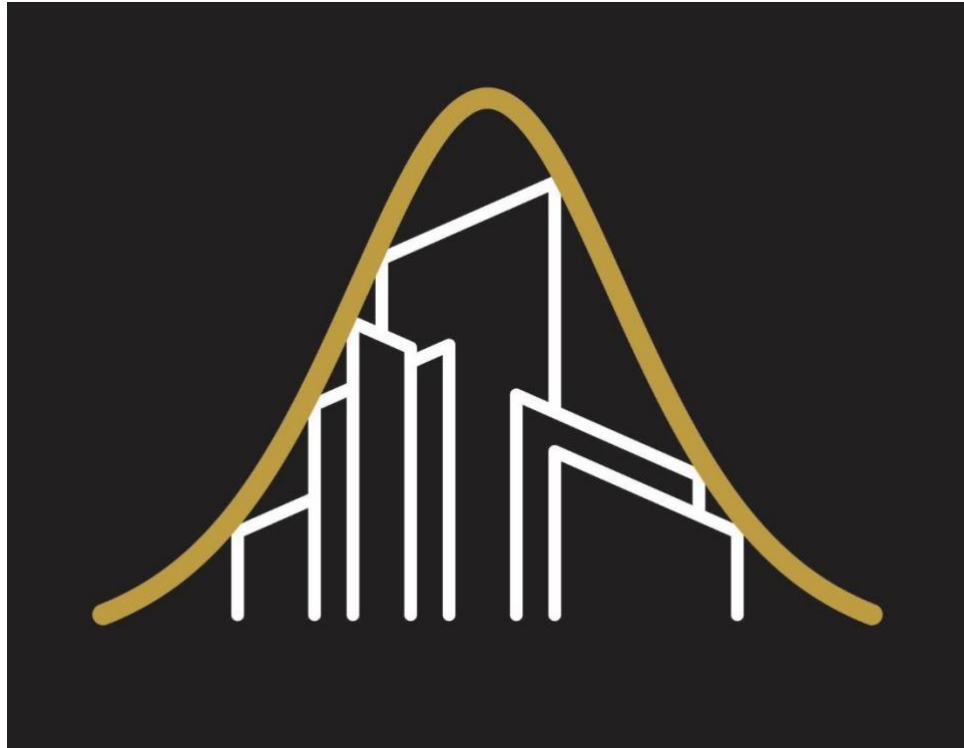


Applied Mathematics



Spring 2024 Graduation Recognition

Honoring graduates from the
Department of Applied Mathematics

May 9, 2024 12:00 PM

<http://www.colorado.edu/amath>

Program of Ceremony

Welcome

Mark Hoefler, Professor

Graduate Program Remarks

Zack Kilpatrick, Associate Professor and Graduate Chair

Doctoral Candidate - Student Speaker

Sam Zhang

Recognition and Hooding of Ph.D. candidates

Recognition of Master of Science candidates

Professional Master's Program Remarks

Judith Law

Master's Candidate - Student Speaker

Rodger Zhang

Recognition of Master of Science candidates

Undergraduate Program Remarks

Anne Dougherty, Ph.D., Teaching Professor and Associate Chair

Bachelor's Candidate - Student Speaker

Maedée Trank-Greene

Recognition of Bachelor of Arts candidates

Recognition of Bachelor of Science candidates

Platform party recesses



2024 Platform Party

Aaron Clauset, Anne Dougherty, Mark Hoefer, Zack Kilpatrick, Will Kleiber, Judith Law, Manuel Lladser, Juan Restrepo, Maedée Trank-Greene, Rodger Zhang, Sam Zhang

December 2023 and August 2024 Graduates

The University does not offer a commencement ceremony for those students who complete their degrees in December or August. So that all of our students are recognized, we include those students who received their degrees in December 2023, or will be receiving them in August 2024.

Doctor of Philosophy

Sabina Adhikari

Synchronization of phase oscillators on hypergraphs

Dissertation Advisors: Juan G. Restrepo, APPM

Caitlin Berry

Subordinated Processes and Spectral Analysis for High Frequency Time Series

Dissertation Advisor: William Kleiber, APPM

Heather Lynn Cihak

The impact of synaptic dynamics on working memory in neural field equations.

Dissertation Advisor: Zachary P. Kilpatrick, APPM

Kevin Michael Doherty

Numerical Methods for Non-Uniform Data in Machine Learning

Dissertation Advisor: Stephen Becker, APPM

Evan Gorman

Learning Sparse Representations of Hierarchically Structured Data with Applications to Comparative Metagenomics

Dissertation Advisor: Manuel Lladser, APPM

Andrew Lawrence

Advancements in Numerical Modeling: High-Order Methods for Fractional Initial Value Problems and Meshfree Solvers for Partial Differential Equations

Dissertation Advisor: Bengt Fornberg, APPM

Yifeng Mao

Two-Phase Wave Interactions and Periodic Wavemaker Problem in Dispersive Hydrodynamics

Dissertation Advisor: Mark Hoefer, APPM

Rachel Robey

Approaches to multi-scale challenges in measurements and modeling of geophysical flows

Dissertation Advisors: Julie Lundquist, ATOC and Keith Julien, APPM

Kristopher Tucker

Analyzing Properties of Driven-Dissipative Quantum Systems from the Mean Field to Machine Learning

Dissertation Advisors: Ana Maria Rey, PHYS and Juan G. Restrepo, APPM

Killian Reed Wood

Advances in Stochastic Optimization with Decision-dependent Distributions

Dissertation Advisor: Emiliano Dall'Anese, ECEE

Shimian 'Sam' Zhang

Statistical models of scientific careers and decision-making

Dissertation Advisor: Aaron Clauset, CSCI

Master of Science

Anna Kinne Granquist

Tyler James Jensen

Zachariah Malik

Eappen Sebastian Nelluvelil

Kaloyan Parvanov

John Timothy Quinn

Camille Renaud

Frank Charles Seidl

Sean Paul Svihla

Chi 'April' Tran



Professional Master of Science

Isabel Beaulieu
Ian Bircak
Claudia Chen
Kevin Quoc Dang
Connor Flaherty
Eric Matzke Flaska
Mitchell John Krouss
Samuel Y Kwon
Bisman Singh
Samuel Stiffman
Nihar Gregory Tomy
Sam Robert Touvannas
Yujie Zhang

Bachelor of Arts

Statistics and Data Science

Julia W. Bao
Carmela Gwen Carver
Marco Edmundo Cordero
Zain R. Ellsell
John Campbell Frederickson
Avery William Fulton
Marcus Alexander Garcia
Alex Greyson Hall
Bailey Marielle Hall
Ashlynn Kane McGrattan
Mary Lloyd Molingowski
Emily Anne Palese
Luke Samuel Pheneger
Andrew Itty Philips
Max Morgan Silver ♣
Lalita Suwattee
Santiago Velasco
Hannah Prue Whaley

♣ Maurice Davies Award (American Statistical Association)

Bachelor of Science

Applied Mathematics

Aubrie L. Capps *
Cambria Denae Chaney ♦♦
Sophia Clark
Clayton James D'Epagnier ♦
Chris Hieu Doan
Charles Doremieux ∇
Henry Merrill Dyer * †
Ryan Rabel Foley
Ella Louise Glebe
Emily Claire Kaiser ∇
Daniel Lisle
Molly Noelle McFaul

Aria Trew Mundy
Victoria Nawalany
Ellen Katherine Puzak •
Jenna Rae Rothe •
Katherine Frances Simon
Luke Aaron Stuckenbruck
Kevin Roger Stull
Maedée Sola Trank-Greene ∇
Stella O'Brien Vannier
Santiago Velasco
Walter Dickson Virany ∇
Gabriel Thomas Wallon ♦

Undergraduate Engineering Honors

- Engineering Honors Program
- ♦ Summa Cum Laude (Final GPA 3.900 – 4.0)
- * Magna Cum Laude (Final GPA 3.800 – 3.899)
- ∇ Cum Laude (Final GPA 3.700 – 3.799)
- † A&S Honors Thesis



On behalf of the faculty and staff of Applied Mathematics, congratulations Class of 2024! We are pleased to welcome you as new alumni and we wish you all a very fruitful journey as you embark on this new phase of your life. Please stay in touch.



Applied Mathematics
UNIVERSITY OF COLORADO BOULDER



In Memoriam

Professor Keith Julien

June 12, 1965 – April 14, 2024

Keith Julien, world renowned CU applied mathematician, passed away at 58. His more than 30-year career at CU-Boulder included service as Chair of the Department of Applied Mathematics from 2015 to 2024. Keith Julien passed unexpectedly at St. Joseph's Hospital after a short illness on Sunday April 14, 2024. Keith is survived by his loving wife Susan, sons Simon and Theodore, father O'Neill and mother Agnes, older brother Kelvin, younger sisters Sandra and Sherma, and a wide circle of friends.

Thank you so much for joining us today to celebrate our Applied Mathematics graduates. We are proud of all of your hard work and we hope you stay connected with us in the future.

Graduate slides will be available at:

<http://www.colorado.edu/amath>

Stay in contact with us:

<http://www.colorado.edu/amath/alumni>

Linkedin:

<https://www.linkedin.com/in/applied-mathematics-cu-boulder-262ab7b2>

Forever Buffs:

<http://www.colorado.edu/alumni/benefits/forever-buffs>

Donate to Applied Mathematics:

<https://www.colorado.edu/amath/donate>