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 Hoefer, 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. Elsell
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 ν  
Henry Merrill Dyer * †  
Ryan Rabel Foley  
Ella Louise Glebe  
Emily Claire Kaiser ν  
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 ν  
Stella O’Brien Vannier  
Santiago Velasco  
Walter Dickson Virany ν  
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)
  ν 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.
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