

Rebecca Morrison

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[CU Boulder](#)

[Personal](#)

[Github](#)

[Google Scholar](#)

POSITIONS

- Assistant Professor, Dept. of Computer Science, University of Colorado Boulder, 2018 – present
Affiliate Faculty Member, Robotics Program
- Postdoc, Dept. of Aeronautics and Astronautics, Massachusetts Institute of Technology, 2016 – 2018
- Intern, Sandia National Laboratories, Albuquerque, NM, 2012
- Student Researcher, International Research Experience for Students (IRES), Federal University of Ceará, Fortaleza, Brazil, 2008
- Undergraduate Researcher, REU, University of California Davis, 2007
- Undergraduate Researcher, Joint Science Department of the Claremont Colleges, 2005

EDUCATION

- Ph.D. in Computational Science, Engineering, and Mathematics, The University of Texas at Austin, 2016
- M.S. in Computational and Applied Mathematics, The University of Texas at Austin, 2012
- B.A. in Physics, Scripps College, Awarded Magna cum Laude, Phi Beta Kappa, 2008

HONORS & AWARDS

- Exceptional Graduate Faculty Mentor Award, CU Boulder, 2024 – 2025
- Computational and Applied Mathematics Fellowship, UT Austin, 2009 – 2013
- Rudmose Department Fellowship, UT Austin, Physics Department, 2008
- Dart/Merritt Award for the Outstanding Student in Engineering or Physics, Joint Science Department of the Claremont Colleges, 2008

GRANTS

- Researcher in Residence Program at the CU Museum of Natural History: *Resource distribution and the evolution of the division of labor* (PI) \$5,000, 2025
- NSF Formal Methods in the Field: *Verified Probabilistic Programming for Hybrid Systems* (Co-PI), with Dr. Sriram Sankaranarayanan (PI) and Dr. Gowtham Kaki (Co-PI) \$875,000, 2024 – 2028
- NASA Space Weather with Quantified Uncertainties: *Ensemble Learning for Accurate and Reliable Uncertainty Quantification* (Co-PI), with Dr. Enrico Camporeale (PI) and Dr. Thomas Berger (Co-PI) \$2,891,954 (My portion: \$469,299), 2020 – 2023
- Johnson & Johnson Women in STEM2D Award: *Discovering Dynamic Structure from Data* (PI), \$150,000, 2019 – 2022
- Association for Women in Mathematics/NSF Travel Grant, \$600, 2017

PUBLICATIONS

[†] (Co-)first author, otherwise listed first; * Graduate student, ** Undergraduate student

Journal Articles

1. R. Bandy, R. Morrison, E. Mussoni, T. Portone. Hybrid physics-data enrichments to represent uncertainty in reduced gas-surface chemistry models for hypersonic flight. (Submitted)
arxiv.org/abs/2509.08137
2. U. Shah*, M. Lladser, R. Morrison. Conditional independence estimates for the generalized nonpara-normal. (In review)
arxiv.org/abs/2508.11050v1
3. P. W. Marcy, R. Morrison. “Stochastic Inverse Problems” and Changes-of-Variables. (In review)
arxiv.org/abs/2211.15730
4. T. Price-Broncucia*, R. Morrison. Ultra-Fast unscented Kalman inversion for the calibration of expensive chaotic models. (In revision)
5. R. Morrison, E. Basor. Exact mean and covariance formulas after diagonal transformations of a multivariate normal. *Journal of Multivariate Analysis*, 105489 (2025).
6. T. Price-Broncucia*, A. Baker, D. Hammerling, M. Duda, R. Morrison. The ensemble consistency test: From CESM to MPAS and beyond. *Geoscientific Model Development* 18, 2349–2372, 2025.
7. S. Leventhal*, S. Edie, R. Morrison, C. Simpson. Origin of division of labor is decoupled from polymorphism in colonial animals. *PNAS Nexus*, 2024, p476. **Smithsonian National Museum of Natural History Early Career Award**.
8. E. Basor, R. Morrison[†]. Analytic solutions to nonlinear ODEs via spectral power series. *Linear Algebra and its Applications* 697, 561–582 (2024).
9. R. Baptista^{*†}, R. E. Morrison[†], O. Zahm, Y. Marzouk. Learning non-Gaussian graphical models via Hessian scores and triangular transport. *Journal of Machine Learning Research* 25(85):1–46, 2024.
10. R. Bandy*, R. Morrison. Stochastic model corrections for reduced Lotka-Volterra models exhibiting mutual, competitive, and predatory interactions. *Chaos* 34, 013116 (2024).
11. R. E. Morrison, R. Baptista*, E. Basor. Diagonal nonlinear transformations preserve structure in covariance and precision matrices. *Journal of Multivariate Analysis*, 104983 (2022).
12. M. Tosin, E. Dantas, A. Cunha, R. E. Morrison. ARBO: Arbovirus Modeling and Uncertainty Quantification Toolbox. *Software Impacts* 12, 100252 (2022).
13. R. E. Morrison. Exact reduction of the generalized Lotka-Volterra equations via integral and algebraic substitutions. *Computation* 2021 (9)5, 49.
14. R. E. Morrison. Data-driven corrections of partial Lotka-Volterra models. *Entropy* 2020 (22)11, 1313.
15. R. E. Morrison, A. Cunha. Embedded discrepancy operators: A case study of Zika modeling. *Chaos* 30(5):051103 (2020).
16. R. E. Morrison, T. A. Oliver, R. D. Moser. Representing model inadequacy: A stochastic operator approach. *ASA/SIAM Journal on Uncertainty Quantification* 6 (2), 457–496 (2018).
17. R. E. Morrison, C. M. Bryant, G. Terejanu, S. Prudhomme, K. Miki. Data partition methodology for validation of predictive models. *Computers and Mathematics with Applications*, 66 (10), 2114–2125 (2013).
18. R. E. Morrison, A. S. Landsberg, E. J. Friedman. Combinatorial games with a pass: A geometric approach. *Chaos* 21, 043108 (2011).

Peer-Reviewed Conference Papers

1. R. Bandy, R. Washington*, R. Morrison, T. Portone. Isolating and Quantifying Uncertainties in the Vibration Isolation Round-Robin Challenge. (Accepted)
2. S. Liaw**, R. Morrison, Y. Marzouk, R. Baptista. Learning local neighborhoods of non-Gaussian graphical models. *AAAI*, Vol. 39, No. 18, 2025.
Extended version: <https://arxiv.org/abs/2503.13899>
3. T. Price-Broncucia*, S. Amorese**, R. Baptista, R. Morrison. A probabilistic graphical model approach to interpret, verify, and decouple multi-physics systems. *Proceedings of 16th World Congress in Computational Mechanics*, 2024.
4. R. Bandy*, T. Portone, R. Morrison. Stochastic Model Correction for the Adaptive Vibration Isolation Round-Robin Challenge. *Proceedings of IMAC-XLI Conference and Exposition* 2024.
5. T. Price-Broncucia*, R. Morrison. Ultra-short time batching and unscented Kalman inversion for calibration of expensive chaotic models. *United States National Congress on Computation Mechanics 2023*, Albuquerque, NM. **UQ Student Paper Competition Semi-Finalist**. (No proceedings recorded.)
6. T. Price-Broncucia*, R. Morrison. Multi-time unscented Kalman inversion for calibration of expensive chaotic models. *14th International Conference on Applications of Statistics and Probability in Civil Engineering 2023*, Dublin, Ireland. **2023 CERRA Student Recognition Award**.
7. R. Bandy*, R. Morrison. Quantifying model form uncertainty in spring-mass-damper systems. In *Society for Experimental Mechanics Annual Conference and Exposition*, p9-19. Springer Nature Switzerland, 2023. **Best Paper Award**.
8. R. E. Morrison, R. Baptista, Y. Marzouk. Beyond normality: Learning sparse probabilistic models in the non-Gaussian setting. *Advances in Neural Information Processing Systems 30 (NeurIPS 2017)*, 11 pages. (Acceptance rate: 21%)
9. R. E. Morrison, C. M. Bryant, G. Terejanu, K. Miki, S. Prudhomme. Optimal data split methodology for model validation. *Proceedings of the World Congress on Engineering and Computer Science 2011*, p1038-1043. (Acceptance rate: 53%) **Best Student Paper Award**.

Theses

1. PhD Dissertation: *On the representation of model inadequacy: A stochastic operator approach*, Advisor: Prof. Robert Moser, UT Austin, 2016
2. Honors Senior Thesis: *From geometry to perturbation theory in combinatorial games: A case study of the game of Nim with a pass*, Advisor: Prof. Adam Landsberg, Scripps College, 2008

Software

1. [NONPARANORMAL COVARIANCE \(EXAMPLES\)](#). R. Morrison.
2. [TRANSPORTMAPS](#). D. Bigoni, A. Spantini, R. Baptista, R. Morrison.
3. [ARBO: ARBOVIRUS MODELING AND UNCERTAINTY QUANTIFICATION TOOLBOX](#). M. Tosin, E. Dantas, A. Cunha, R. Morrison.
4. [ZIKA](#). R. Morrison, A. Cunha.
5. [ENRICHED-GLV](#). R. Morrison.

IN THE NEWS

How did the division of labor emerge in animals and humans? Little-known organisms hold clues CU Boulder Today, 11/12/24

Group profile by Grace Wilson CU Boulder, CS Department 5/4/24

See how WiSTEM2D Scholars Award Winner Rebecca Morrison is using flexible algorithms to address complex climate issues Johnson & Johnson, 08/05/22

Interview with Jessie Finocchiaro CU Boulder CS Neural Network, 4/23/21

Covid models show how to avoid future lockdowns Scientific American, 11/24/20

Covid-19: Why most virus models are wrong Westword, 05/12/20

Scientists develop tool to improve disease model accuracy CU Boulder Today, 05/05/20

Assistant professor wins research award from Johnson & Johnson CU Boulder Today, 04/12/19

PRESENTATIONS & OTHER WORKSHOPS

Colloquia & Invited Talks

NIST, Applied and Computational Mathematics Division (ACMD) Seminar, 5/6/25

MD Anderson, Image-Driven Biology-Informed Therapy Program Seminar Series, (Virtual) 4/29/24

Space Weather Workshop, Boulder, CO, 4/18/24

IU Bloomington, IMAG (Interagency Modeling and Analysis Group)/ MSM (Multiscale Modeling) Viral Pandemics Seminar, (Virtual) 4/4/24

Two Sigma Academic Seminar, New York City, NY, 3/14/24

CU Boulder, Data Buffs (Student Chapter of the American Statistical Society) Meeting, Boulder, CO, 11/6/23

Santa Fe Institute, NSF Workshop: Crosscutting Needs for Digital Twins, Santa Fe, NM, 10/12/23

CU Boulder, Computer Science Colloquium, Boulder, CO, 9/7/23

Emory University, Mathematics Colloquium, Atlanta, GA, 8/31/23

Institute for Computational and Experimental Research in Mathematics (ICERM), Workshop on Optimal Transport in Data Science, Providence, RI, 5/11/23

Colorado School of Mines, Applied Mathematics and Statistics Colloquium, Golden, CO, 5/5/23

USACM TTA (Technical Thrust Area) on UQ and Probabilistic Modeling Seminar, **First talk of new seminar series**, (Virtual) 2/10/21

Rio de Janeiro State University, Computer Science Colloquium, (Virtual) 8/25/21

Caltech CMX (Computational Mathematics + X) Colloquium, (Virtual) 12/9/20

Potsdam Institute for Climate Impact Research, Workshop on Uncertainties in Data Analysis **Keynote**, (Virtual) 10/1/20

Computing Research Association (CRA) 2020 Virtual Conference Lightning Talk, **Contest winner** (Selected to appear on CRA website)

Argonne National Laboratory, Laboratory for Applied Mathematics, Numerical Software, and Statistics (LANS) Seminar, (Virtual) 5/20/20

CU Boulder, Applied Math Colloquium, Boulder, CO, 9/27/19

Statistical and Applied Mathematical Sciences Institute (SAMSI), Workshop on Statistical Perspectives on Uncertainty Quantification, Research Triangle Park, NC, 5/17/19

Johnson & Johnson Women in STEM2D Scholars Award Symposium, New Brunswick, NJ, 4/24/19

Banff International Research Station, Workshop on Computational Uncertainty Quantification, Banff, Canada, 10/9/17

Stanford, Institute for Computational Mathematics and Engineering, *Talks Seminar, Palo Alto, CA, 5/1/17

CU Boulder, Computer Science Colloquium, Boulder, CO, 4/13/17
MIT, Aerospace Computational Design Laboratory Seminar, Cambridge, MA, 2/26/16
UT Austin, Babuška Forum Seminar Series at The Oden Institute, Austin, TX, 9/28/12
Sandia National Laboratories, Org. 1544 (Validation and UQ) Seminar, Albuquerque, NM, 8/15/12

Conference Talks

SIAM Conference on Uncertainty Quantification, Trieste, Italy, 2/27/24
SIAM Conference on Mathematics of Data Science, San Diego, CA, 9/29/22
SIAM Conference on Uncertainty Quantification, (Virtual) 4/15/22
International Conference of the Engineering Mechanics Institute, (Virtual) 3/24/21
2nd Symposium on Machine Learning and Dynamical Systems, The Fields Institute, (Virtual) 9/21/20
SIAM Conference on Dynamical Systems, Snowbird, UT, 5/20/19
SIAM Conference on Computational Science & Engineering, Spokane, WA, 3/01/19
World Congress on Computational Mechanics, New York City, NY, 7/24/18
SIAM Conference on Uncertainty Quantification, Lausanne, Switzerland, 4/18/18
SIAM Conference on Computational Science & Engineering, Atlanta, GA, 3/01/17
Probabilistic Mechanics and Reliability Conference, Nashville, TN, 5/24/16
SIAM Conference on Uncertainty Quantification, Lausanne, Switzerland, 4/07/16
APS Division of Fluid Dynamics Annual Meeting, Boston, MA, 11/24/15
13th US National Congress on Computational Mechanics, San Diego, CA, 7/27/15
SIAM Workshop Celebrating Diversity, Salt Lake City, UT, 3/16/15
SIAM Conference on Computational Science & Engineering, Salt Lake City, UT, 3/14/15
APS Division of Fluid Dynamics Annual Meeting, San Francisco, CA, 11/25/14
SIAM Conference on Uncertainty Quantification, Savannah, GA, 4/01/14
SIAM Conference on Uncertainty Quantification, Raleigh, NC, 4/05/12
The World Congress on Engineering and Computer Science 2011, Berkeley, CA, 10/20/11
SIAM Conference on Dynamical Systems, Snowbird, UT, 5/19/09

Posters

Reducing Dimensions and Cost for UQ in Complex Systems Workshop, Newton Institute, Cambridge, England, 3/5/18
Neural Information Processing Systems (NeuRIPs), Long Beach, CA, 12/4/17
Uncertainty Quantification Workshop, ICERM, Providence, RI, 10/10/12
Uncertainty Quantification Summer School, The University of Southern California, Los Angeles, CA, 8/23/12
Predictive Science Academic Alliance Program (PSAAP) Meeting, University of Michigan, Ann Arbor, MI, 8/9/12
Large-Scale Inverse Problems and Quantification of Uncertainty Workshop, Institute for Mathematics and its Applications (IMA), Minneapolis, MN, 6/8/11
Uncertainty Quantification for Multiphysics and Multiscale Systems Workshop, The University of Southern California, Los Angeles, CA, 3/7/11

Other Workshops, etc.

18th US National Congress on Computational Mechanics. Chicago, IL, 7/(20–24)/25

Uncertainty Quantification Workshop, Oberwolfach (Mathematisches Forschungsinstitut Oberwolfach), Germany, 4/(20-25)/25

Rigorous and Reproducible Scientific Reasoning (R2SR) NSF Workshop, CU Boulder, CO, 11/(13–14)/23

50th Anniversary Workshop, The Oden Institute for Computational Engineering & Sciences, UT Austin, 9/21/23

US National Congress on Computational Mechanics, Albuquerque, NM, 7/(23–27)/23

Scientific Machine Learning Workshop, Banff International Research Station, Banff, Canada, 6/(19–23)/23

Space Weather with Quantification of Uncertainty Workshop, MIT, Cambridge, MA, 3/(9–10)/23

Climate Informatics Workshop, National Center for Atmospheric Research, Boulder, CO, 9/(20–21)/18

MIT Statistics and Data Science Center Day (SDSCon 2017), Cambridge, MA, 4/21/17

Uncertainty Quantification and Data-driven Modeling Workshop, Sandia/The Oden Institute, UT Austin, TX, 3/(23–24)/17

Integrated Analysis for Agricultural Management Strategies Workshop, American Institute of Mathematics (AIM), San Jose, CA, 5/(4–8)/15

Large-Scale Inverse Problems and Quantification of Uncertainty: Big Data Meets Big Models Workshop, Santa Fe, NM, 5/(22–24)/13

Association for Women in Mathematics (AWM) Research Symposium, Santa Clara University, CA, 3/(16–17)/13

Uncertainty Quantification School taught by Tony O'Hagan, UT Austin, TX, 10/(3–4)/11

SAMSI/Sandia Summer School on Uncertainty Quantification, Albuquerque, NM, 6/(20–24)/11

Women in Theory Workshop, Princeton, NJ, 6/(19–23)/10

STUDENT & POSTDOC ADVISING

Postdoc

Jack Shaw, 2024 – present

PhD

Nate Holland, 2025 – present

Ujas Shah, 2024 – present

Noah Peterson, 2023 – present

Teo Price-Broncucia, 2019 – 2025

Thesis: *From Ages to Instants: Calibration and Error Detection for Expensive Chaotic Models using Short Runs, Ensembles, and Approximate Gradients* (defended 5/9/25)

Next position: Advanced Study Program (ASP) Postdoctoral Fellow at NCAR

Rileigh Bandy, 2019 – 2024

Thesis: *Uncertainty Representations in White- and Black-Box Models: Quantifying Model-Form and Measurement Errors in Computational Science* (defended 5/8/24)

Next position: Postdoc at Sandia National Laboratories

Master's

Rachel Washington (Summer intern), 2024

Undergraduate

Sienna Amorese (Applied Math: Stats), Latin Honors Senior Thesis, 2024 – 2025

Daniel Crook, Discovery Learning Apprenticeship (DLA), 2020 – 2021

Michael Donovan, DLA, 2020 – 2021

As Committee Member

(Only most recent exam listed, if multiple)

Phd Thesis:

Leila Ghaffari (CS) 06/26/25 (Second reader); Ren Stengel (CS) 06/23/25 (Second reader); Mike McCabe (CS) 4/2/24; Basu Parmar (AERO) 7/17/23; Jingwei Li (CS) 4/10/23; Chou Yi (CS) 7/9/21; Sebastian Laudenschlager (CS) 5/27/21; Felix Newberry (AERO) 4/2/21; Zhiyuan Liu (CS) 4/1/21; Tristan Konolige (CS) 4/2/20; Paul Diaz (AERO) 2/25/20; Eric Peters (AERO) 5/3/19

PhD Area/Comprehensive Exam:

Sarah Gage (CS) 11/8/19

Senior Thesis:

Saurabh Totev (PHYS) 5/4/23

COURSES TAUGHT & DEVELOPED

Course number: Title; Semester (Enrollment) Notes

CSCI 2820: Linear Algebra with Computer Science Applications

- Fall 2022 (78)
- Fall 2019 (77)
- Spring 2019 (73) Redesign

CSCI 4802/5802: Data Science Team

- Spring 2021 (41)
- Fall 2020 (20)

CSCI 5646: Numerical Linear Algebra

- Fall 2025 (10)
- Fall 2023 (35)

CSCI 5822: Probabilistic Models of Human and Machine Intelligence

- Spring 2023 (26)
- Spring 2021 (42)

CSCI 6110: Graduate Writing Workshop

- Fall 2023 (13)
- Fall 2021 (24) New Course

CSCI 6166: Validation and Uncertainty Quantification for Computational Models

- Spring 2025 (9)
- Spring 2020 (5)
- Fall 2018 (3) New Course

CSCI 7000: Research & Reading Group UPSCALE (**U**ncertainty, **P**robability, **S**cientific **C**omputing **A**nd **L**earning)

- Spring 2024 (13) New Course
- Fall 19 – present (About 10–15 students & postdocs) Faculty Founder and Sponsor

Independent Study

- Spring 2024 (2)
- Fall 2023 (1)
- Spring 2021 (1)
- Fall 2019 (1)
- Fall 2018 (1)

TEACHING & PROFESSIONAL DEVELOPMENT

Fall Teaching, Learning, and Technology Conference 2025 - Engaging Every Learner, Center for Teaching & Learning (CTL), CU Boulder, 10/2/25

Teaching Circles Participant, CS Department, CU Boulder, Fall 2025
Teaching Circles Participant, CS Department, CU Boulder, Spring 2025
TQF Hackathon, CS Department, CU Boulder, 04/14/24
Teaching Circles Participant, CS Department, CU Boulder, Spring 2023
Fall 2020 Diversity and Inclusion Summit, CU Boulder, 11/10/20
“What’s Your Plan? A Symposium on Education for Fall 2020,” College of Engineering and Applied Science, CU Boulder, 7/27/20
2020 Career Mentoring Workshop, Computing Research Association (CRA), Washington DC, 2/(27–28)/20
Introductory Leadership Training Workshop, Leadership Education for Advancement & Promotion (LEAP), CU Boulder, 1/(8–9)/20
New Assistant Professor Program Certificate, Faculty Teaching Excellence Program (FTEP), CU Boulder, 2018–19
Kaufman Teaching Certificate Program (Intensive 2-Week Course), MIT, 5/29 – 6/15/18
NSF CISE CAREER Proposal Writing Workshop, Washington, DC, 4/(9–10)/18

PROFESSIONAL SERVICE

SIAM Liaison to the Joint Math Meetings (JMM), 2024 – 2026 (Chair, 2025)
Member of the SIAM UQ Early Career Prize Committee, 2025
Program Director for SIAM Data Science Activity Group, 2024 – 2025
Moderator for [WebMDS Panel: Careers in Mathematics of Data Science](#) 8/12/25
Moderator for [WebMDS Panel: Teaching the Mathematics of Data Science](#) 5/6/25
Co-founder/organizer of WebMDS (Webinar on Mathematics of Data Science), 2025
Member of the SIAM Annual 2025 Organizing Committee (Representative from SIAG/DATA)
“Lunch Mentor” at USNCCM18 Mentoring Event, Chicago, IL, 7/21/25
Mentor for the Computational Mechanics Student Mentorship Program (CMSMP), USACM Student Chapter, 2024 – 2025
Mentor for the Johnson & Johnson Women in STEM2D Program, 2024 – 2025
NSF Reviewer, 2024 (x2)
Co-Organizer for Minisymposium at SIAM UQ 2024
Reviewer for NCWIT Award for Aspirations in Computing 2024
NSF Reviewer, 2023
Faculty Mentor with Peak to Peak Charter School (Lafayette, CO), 2023
Reviewer for NCWIT Award for Aspirations in Computing 2023
“Lunch Mentor” at USNCCM17 Mentoring Event, Albuquerque, NM, 7/24/23
Secretary for SIAM UQ Activity Group, 2021 – 2022
Co-Organizer for Minisymposium at ECCOMAS 2022
Co-Organizer for Minisymposium at SIAM UQ 2022
Poster Judge at SIAM Mathematics of Data Science, San Diego, CA, 9/28/22
Reviewer for NCWIT Award for Aspirations in Computing 2021
Co-Organizer for Minisymposium at USNCCM 2021
Organizer for Workshop Celebrating Diversity at SIAM Annual 2020

Reviewer for NCWIT Award for Aspirations in Computing 2020
Organizer for Workshop Celebrating Diversity at SIAM CSE 2019
“Breakfast Mentor” at Rocky Mountain Celebration of Women in Computing, 11/2/18
Volunteer Tutor for 8th grade math, with Austin Partners in Education (APIE), 2013 – 2014
Reviewer for (Journals, Proceedings, & Books):
Advances in Neural Information Processing Systems (NeurIPS), Chaos, Computational Science and Engineering, Computer Methods in Applied Mechanics and Engineering, Discrete Applied Mathematics, Entropy, Games of No Chance, IEEE Computing in Science and Engineering, IEEE/ACM Transactions on Networking, International Conference on Machine Learning (ICML), International Journal of Uncertainty Quantification, Machine Learning: Science and Technology, Mathematical Reviews, Mathematics, The MIT Press, Nature Computational Science, Nonlinear Dynamics, Pattern Recognition Letters, Physica D, SIAM Journal on Scientific Computing, SIAM/ASA Journal on Uncertainty Quantification, Space Weather

UNIVERSITY SERVICE

External Funding Opportunities Workshop (presenter), 8/14/25
CS Executive Committee Member, 08/2023 – 05/2025
CEAS NSF GRFP Introductory Workshop (presenter), 7/18/24
CS Faculty Search Committee Member, 2023 – 2024
CEAS NSF GRFP Introductory Workshop (presenter), 7/10/23
CS Faculty Search Committee Member, 2022 – 2023
AB Nexus Reviewer, 2023
Representative for the CS Junior Faculty Assembly, 2022
CS Graduate Curriculum Committee Member, 01/2020 – 12/2021
ECEE Faculty Search Committee Member, 2020 – 2021
Reviewer for Johnson&Johnson WiSTEM2D Award (Internal review), 2021
Faculty Mentor for the BOLD Center RedShirt S-STEM Program, 2019 – 2020
Covid-19 CEAS Working Group Member, Summer 2020
Reviewer for Johnson&Johnson WiSTEM2D Award (Internal review), 2020
CS Undergraduate Curriculum Committee Member, 08/2018 – 12/2019
School of Computing Task Force Member, Spring 2019
Organizer for Babuška Forum Series (UT Austin), with Professor Ivo Babuška, 2013 – 2014

MEMBERSHIP

Association for Women in Mathematics (AWM)
Society for Industrial and Applied Mathematics (SIAM)
United States Association for Computational Mechanics (USACM)