Daphney–Stavroula Zois — Curriculum Vitae

Contact Information

Dept. of Electrical & Computer Engineering
University at Albany, SUNY
Albany, NY 12222

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Google Scholar: https://tinyurl.com/yc3mxdm5

Research Interests

Machine learning and **statistical signal processing** with a particular focus on **decision making under uncertainty**

Education

University of Southern California, Los Angeles, CA, USA

Ph.D. in Electrical Engineering (Advisor: Prof. Urbashi Mitra) 2014
Dissertation: "Active State Tracking in Heterogeneous Sensor Networks"

MSc in Electrical Engineering 2010

University of Patras, Patras, Greece

BEng in Computer Engineering & Informatics (Advisor: Prof. Kostas Berberidis) 2007
Thesis: "Telecommunication channel estimation algorithms using hidden training sequence"
Standing: Excellent (2nd out of 200)

Appointments

University at Albany, State University of New York, Albany, NY

Associate Professor, Department of Electrical & Computer Engineering Sept. 2022 – present

Assistant Professor, Department of Electrical & Computer Engineering Sept. 2016 – Aug. 2022

Affiliate Appointment in Computer Science Department

University of Illinois, Urbana–Champaign, Urbana, IL

Postdoctoral Research Associate, Coordinated Science Laboratory Sept. 2014 – Aug. 2016
Supervisor: Prof. Maxim Raginsky

University of Southern California, Los Angeles, CA

Graduate Research Assistant, Department of Electrical Engineering Aug. 2008 – Aug. 2014

Graduate Assistant, NSF Research Experience for Teachers (RET) program Summer 2011/2012

University of Patras, Patras, Greece

System Administrator, Computer & Communications Systems Center, Electrical & Computer Engineering Department Dec. 2007 – July 2008

Undergraduate Research Assistant, Department of Computer Engineering & Informatics (Advisor: Prof. Kostas Berberidis) Sept. 2006 – Dec. 2007

Undergraduate Research Assistant, Research Unit 6, Research Academic Computer Technology Institute (Advisor: Prof. Christos Bouras) 2003 – 2005

Teaching Experience

Instructor, Dept. of Electrical & Computer Engineering, University at Albany

- IECE 664: Probabilistic Machine Learning, Fall 2023–2025.
- IECE 571: Probability and Random Processes, Fall 2022.
- IECE 371: Signals and Systems, Fall 2019/2020, Spring 2017/2020–2024.
- IECE 672: Foundations of Statistical Inference, Spring 2018/2019/2021/2024.
- ICEN 140: Intro to Engineering Design, Fall 2016/2017.

Guest Lecturer, Dept. of Electrical & Computer Engineering, University at Albany

- IECE 494/560: Intelligent Internet–of–Things, Spring 2021.
- World of Engineering and Applied Sciences, Fall 2016.

Teaching Assistant, Dept. of Electrical Engineering, University of Southern California

- EE 241: Applied Linear Algebra for Engineering, Spring 2012.
- EE 564: Communication Theory, Fall 2011.
- EE 562A: Random Processes in Engineering, Spring 2010.

Teaching Assistant, Dept. of Computer Engineering & Informatics, University of Patras

- UoP 23Y320: Information Transmitting Systems, Spring 2008.
- UoP 23Y384: Digital Communications, Fall 2007.
- UoP 23Y131: Software Laboratory, Fall 2006/2007.

Awards & Recognitions

- NeurIPS Top Reviewer 2023
- Inventor Recognition, University at Albany 2022
- Junior Faculty Recognition, University at Albany 2021
- **Google AI for Social Good "Impact Scholars" Award** 2021
- President's Award for Exemplary Public Engagement, University at Albany 2020
- **NSF Faculty Early Career Development Program (CAREER) Award** 2020
- Individual Development Award, University at Albany 2019, 2020
- **Gerondellis Foundation Scholarship** 2014
- Ming Hsieh Institute Travel Grant, University of Southern California 2013
- Electrical Engineering Best Research Poster Award, University of Southern California 2013
- **Intel Foundation Fellowship Finalist**, University of Southern California 2013
- **Information Theory & Applications (ITA) Graduation poster** 2013
- Ming Hsieh Institute Scholar, University of Southern California 2012 – 2013
- WiSE Travel Grant, University of Southern California 2012, 2013
- Best Teaching Assistant Award Nominee, University of Southern California 2012
- **Panagiotis Triantafyllidis Fellowship** 2010 – 2012
- Myronis Fellowship, University of Southern California 2010 – 2011
- Andreas Mentzelopoulos Scholarship, University of Patras 2008 – 2010
- Viterbi's Dean Fellowship, University of Southern California 2008 – 2012
- **Fulbright Institution Mutual Educational Exchange Grant** *(declined)* 2008
- **Technical Chamber of Greece Distinction & Award** 2007
- **Greek Women's Engineering Association Distinction & Award** 2007
- University of Patras honor for graduation ranking 2007
- **Greek National Scholarship Foundation Distinctions & Awards** 2005 – 2007
- **Skoura Foundation Fellowship** 2004 – 2005
- University of Patras honor for admission ranking 2002

Funding

- *Sponsor:* Air Force Research Laboratory (AFRL), **$16,264.00 total** *05/15/2025–07/10/2025*
  `Adaptable Instance-wise Multi-Component Combination for Trustworthy Machine Learning Models`, Visiting Faculty Research Program (VFRP)
  Role: PI, *100% financial and credit responsibility*
- *Sponsor:* National Science Foundation (NSF), **$20,000.00 total** *10/01/2024–07/31/2025*
  `Human-AI collaboration for Instance-wise Reject Inference`, UAlbany seed funding, EES–2121620
  Role: PI, *50% financial and credit responsibility*
  co–PIs: C. Chelmis (Computer Science).
- *Sponsor:* National Science Foundation (NSF), **$15,000.00 total** *07/01/2024–07/31/2025*
  `Algorithmically Mitigating Cyberbullying`, UAlbany seed funding, EES–2121620
  Role: PI, *50% financial and credit responsibility*
  co–PIs: C. Chelmis (Computer Science).
- *Sponsor:* Google Research, **$10,000.00 total** *Unrestricted Gift*
  `Towards Achieving Better Market Access for Smallholder Farmers`, Google Announcement
  Role: PI, *100% financial and credit responsibility*
- *Sponsor:* National Institutes of Health (NIH), **$113,577.00 total** *01/18/2021–06/30/2022*
  `National Center for Adaptive Neurotechnologies`
  Role: PI, *100% financial and credit responsibility*, UAlbany subcontract
- *Sponsor:* National Science Foundation (NSF), **$524,480.00 total** *06/01/2020–05/31/2026*
  `CAREER: Towards Optimized Operation of Cost-Constrained Complex Cyber-Physical-Human Systems`, CNS–1942330
  Role: PI, *100% financial and credit responsibility*
- *Sponsor:* SUNY Faculty research award program (FRAP–A), **$9,936.40 total** *05/01/2018–04/30/2020*

Context-Aware Human State Modeling and Monitoring
Role: PI, *100% financial and credit responsibility*

- *Sponsor:* National Science Foundation (NSF), **$1,357,220.00 total** *09/01/2017–08/31/2024*
  SCC-IRG Track 2: Community on Multimodality: Participatory Action, Service, and Support (COMPASS), ECCS–1737443
  Role: PI, *33% financial and credit responsibility*
  co–PIs: W. Lee (Social Welfare), C. Chelmis (Computer Science).

PUBLICATIONS **Peer–Reviewed Articles & Journals**

15. S. P. Ekanayake, **D.-S. Zois**, N. D. Wickramasinghe, "*Instance–wise Joint Feature and Expert Decision Acquisition for Classification*", IEEE Transactions on Artificial Intelligence, July 2025. (Accepted)

14. W. Lee, K. Gross, C. Yong, C. Chelmis, **D.-S. Zois**, "*Who Reaps the Benefits of Smart Management of Neighborhood Complaints? Impact of Online Participatory Forums on Neighborhood Equity*", Cities, vol. 158, Mar. 2025.

13. S. P. Ekanayake, **D.-S. Zois**, C. Chelmis, "*Sequential Datum–wise Feature Acquisition and Classifier Selection*", IEEE Transactions on Artificial Intelligence, pp. 1–15, Nov. 2023.

12. S. P. Ekanayake, **D.-S. Zois**, "*Datum–Wise Inference in Structured Environments*", IEEE Transactions on Artificial Intelligence, vol. 5, no. 2, pp. 566–577, May 2023.

11. W. Lee, K. Gross, C. Chelmis, **D.-S. Zois**, "*Community–engaged technology development for bridging service users and service providers: lessons from the field*", Journal of Community Practice, vol. 30, no. 3, pp. 319–331, July 2022.

10. Y. Liyanage, **D.-S. Zois**, C. Chelmis, "*Dynamic Instance–Wise Classification in Correlated Feature Spaces*", IEEE Transactions on Artificial Intelligence, vol. 2, no. 6, pp. 537–548, Sept. 2021.

9. H. Habibzadeh, J. S. Norton, T. M. Vaughan, T. Soyata, **D.-S. Zois**, "*A Voting–Enhanced Dynamic–Window–Length Classifier for SSVEP–based BCIs*", IEEE Transactions on Neural Systems and Rehabilitation Engineering, vol. 29, pp. 1766–1773, Aug. 2021.

8. C. Chelmis, **D.-S. Zois**, "*Dynamic, Incremental, and Continuous Detection of Cyberbullying in Online Social Media*", ACM Transactions on the Web, vol. 15, no. 3, pp. 1–33, May 2021.

7. Y. Liyanage, **D.-S. Zois**, C. Chelmis, "*Dynamic Instance–Wise Joint Feature Selection and Classification*", IEEE Transactions on Artificial Intelligence, vol. 2, no. 2, pp. 169–184, April 2021.

6. Y. Liyanage, **D.-S. Zois**, C. Chelmis, "*Near Real–Time Freeway Accident Detection*", IEEE Transactions on Intelligent Transportation Systems, vol. 23, no. 2, pp. 1467–1478, Oct. 2020.

5. O. R. Shishvan, **D.-S. Zois**, T. Soyata, "*Machine Intelligence in Healthcare and Medical Cyber Physical Systems: A Survey*", IEEE Access, vol. 6, pp. 46419–46494, Aug. 2018.

4. **D.-S. Zois**, U. Mitra, "*Active State Tracking with Sensing Costs: Analysis of Two–States and Methods for n–States*", IEEE Transactions on Signal Processing, vol. 65, issue 11, pp. 2828–2843, Feb. 2017.

3. **D.-S. Zois**, M. Levorato, U. Mitra,"*Active Classification for POMDPs: a Kalman-like State Estimator*", IEEE Transactions on Signal Processing, vol. 62, issue 23, pp. 6209–6224, Oct. 2014.

2. **D.-S. Zois**, M. Levorato, U. Mitra, "*Energy–Efficient, Heterogeneous Sensor Selection for Physical Activity Detection in Wireless Body Area Networks*," IEEE Transactions on Signal Processing, vol. 61, issue 7, pp. 1581–1594, Jan. 2013.

1. U. Mitra, A. Emken, S. Lee, M. Li, V. Rozgic, G. Thatte, H. Vathsangam, **D.-S. Zois**, M. Annavaram, S. Narayanan, M. Levorato, D. Spruijt-Metz, G. S. Sukhatme, "*KNOW–ME: a Case Study in Wireless Body Area Sensor Network Design*," IEEE Communications Magazine, vol. 50, issue 5, pp. 116–125, May 2012.

Peer–Reviewed Conferences & Workshops

42. S. P. Ekanayake, **D.-S. Zois**, "*Instance–wise Feature Acquisition with Classifier Selection Option for Structured Data Instances*", IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Hyderabad, India, April 6 – 11, 2025.

41. S. P. Ekanayake, **D.-S. Zois**, "*Sequential Acquisition of Features and Experts for Datum–wise Classification*", IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Seoul, Korea, April 14 – 19, 2024.

40. Y. Liyanage, **D.-S. Zois**, "*Interpretability in the Context of Sequential Cost–Sensitive Feature Acquisition*", IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Rhodes Island, Greece, June 4 – 10, 2023.

39. K. S. Rahman, **D.-S. Zois**, C. Chelmis, "*Bayesian Network Modeling and Prediction of Transitions Within the Homelessness System*", IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Rhodes Island, Greece, June 4 – 10, 2023.

38. S. P. Ekanayake, **D.-S. Zois**, C. Chelmis, "*Sequential Datum–Wise Joint Feature Selection and Classification in the Presence of External Classifier*", IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Rhodes Island, Greece, June 4 – 10, 2023.

37. S. P. Ekanayake, **D.-S. Zois**, "*Sequential Bayesian Network Structure Learning*", Asilomar Conference on Signals, Systems, and Computers (ACSSC), Pacific Grove, CA, Oct. 31st – Nov. 5th, 2022.

36. H. Habibzadeh, K. J. Long, A. E. Atkins, **D.-S. Zois**, J. S. Norton, "*Improving BCI–based Color Vision Assessment using Gaussian Process Regression*", IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Singapore, May 22 – 27, 2022.

35. S. P. Ekanayake, Y. Liyanage, **D.-S. Zois**, "*Dynamic Feature Selection for Classification in Structured Environments*", Asilomar Conference on Signals, Systems, and Computers (ACSSC), Pacific Grove, CA, Oct. 31st – Nov. 5th, 2021.

34. H. Habibzadeh, **D.-S. Zois**, J. S. Norton, "*metaID: A Metamer Identification Algorithm for Improving BCI–based Color Vision Assessment*", Asilomar Conference on Signals, Systems, and Computers (ACSSC), Pacific Grove, CA, Oct. 31st – Nov. 5th, 2021.

33. H. Habibzadeh, O. Zhou, J. S. Norton, T. M. Vaughan, **D.-S. Zois**, "*A Classifier for Improving Cause and Effect in SSVEP–based BCIs for Individuals with Complex Communication Disorders*", IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Toronto, Canada, June 6–11, 2021.

32. Y. Liyanage, **D.-S. Zois**, "*Optimum Feature Ordering for Dynamic Instance–wise Joint Feature Selection and Classification*", IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Toronto, Canada, June 6–11, 2021.

31. I. Nazar, **D.-S. Zois**, C. Chelmis, "*Knowing When to Stop: Joint Heterogeneous Feature Selection and Classification*", Asilomar Conference on Signals, Systems, and Computers (ACSSC), Pacific Grove, CA, Nov. 1–5, 2020.

30. I. Nazar, Y. Liyanage, **D.-S. Zois**, C. Chelmis, "*Sequential Heterogeneous Feature Selection for Multi–class Classification: Application in Government 2.0*", IEEE International Workshop on Machine Learning for Signal Processing (MLSP), Aalto University, Espoo, Finland, Sept. 21–24, 2020.

29. Y. Liyanage, **D.-S. Zois**, C. Chelmis, "*On–the–fly Feature Selection and Classification with Application to Civic Engagement Platforms*", IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Barcelona, Spain, May 4–8, 2020.

28. I. Nazar, Y. Liyanage, **D.-S. Zois**, C. Chelmis, "*Automated Optimal Online Civil Issue Classification using Multiple Feature Sets*", Asilomar Conference on Signals, Systems, and Computers (ACSSC), Pacific Grove, CA, Nov. 3–6, 2019.

27. C. Yong, C. Chelmis, W. Lee, **D.-S. Zois**, "*Understanding Online Civic Engagement: A Multi–Neighborhood Study of SeeClickFix*", IEEE/ACM International Conference on Advances in Social Network Analysis and Mining (ASONAM), Vancouver, BC, Canada, Aug. 27–30, 2019.

26. I. Nazar, **D.-S. Zois**, M. Yao, "*A Hierarchical Approach for Timely Cyberbullying Detection*", IEEE Data Science Workshop (DSW), Minneapolis, MN, June 2–5, 2019.

25. Y. Liyanage, **D.-S. Zois**, C. Chelmis, M. Yao, "*Automating the Classification of Urban Issue Reports: An Optimal Stopping Approach*", IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Brighton, UK, May 12–17, 2019.

24. Y. Liyanage, **D.-S. Zois**, C. Chelmis, "*Robust Freeway Accident Detection: A Two–Stage Approach*", IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Brighton, UK, May 12–17, 2019.

23. M. Yao, C. Chelmis, **D.-S. Zois**, "*Towards Robust Detection of Cyberbullying in Social Media*", Third Workshop on Women in Web Data Science (WINDS), San Francisco, CA, May 13–17, 2019.

22. M. Yao, C. Chelmis, **D.-S. Zois**, "*Cyberbullying Ends Here: Towards Robust Detection of Cyberbullying in Social Media*", The Web Conference (WebConf), San Francisco, CA, May 13–17, 2019.

21. Y. Liyanage, C. Chelmis, **D.-S. Zois**, "*A Hierarchical Framework for Timely Freeway Accident Detection and Localization*", IEEE International Conference on Big Data (BigData), Seattle, WA, Dec. 10–13, 2018.

20. Y. Liyanage, **D.-S. Zois**, C. Chelmis, "*Quickest Freeway Accident Detection under Unknown Post–Accident Conditions*", 6th IEEE Global Conference on Signal and Information Processing (GlobalSIP), Anaheim, CA, Nov. 26–29, 2018.

19. Y. Liyanage, M. Yao, C. Yong, **D.-S. Zois**, C. Chelmis, "*What matters the most? Optimal Quick Classification of Urban Issue Reports by Importance*", 6th IEEE Global Conference on Signal and Information Processing (GlobalSIP), Anaheim, CA, Nov. 26–29, 2018.

18. Y. Liyanage, **D.-S. Zois**, C. Chelmis, "*Optimal Sequential Detection of Freeway Accidents*", Asilomar Conference on Signals, Systems, and Computers (ACSSC), Pacific Grove, CA, Oct. 28–31, 2018.

17. **D.-S. Zois**, C. Yong, C. Chelmis, A. Kapodistria, W. Lee, "*Improving Monitoring of Participatory Civil Issue Requests through Optimal Online Classification*", Asilomar Conference on Signals, Systems, and Computers (ACSSC), Pacific Grove, CA, Oct. 28–31, 2018.

16. M. Yao, C. Chelmis, **D.-S. Zois**, "*Cyberbullying Detection on Instagram with Optimal Online Feature Selection*", IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), Barcelona, Spain, Aug. 28–31, 2018. **(acceptance rate: 15%)**

15. **D.-S. Zois**, A. Kapodistria, M. Yao, C. Chelmis, "*Optimal Online Cyberbullying Detection*", IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Calgary, Canada, April 15–20, 2018.

14. C. Chelmis, **D.-S. Zois**, M. Yao, "*Mining Patterns of Cyberbullying on Twitter*", IEEE ICDM Workshop on Data Mining in Networks (DaMNET), New Orleans, LA, Nov. 18, 2017.

13. M. Zheleva, P. Bogdanov, **D.-S. Zois**, W. Xiong, R. Chandra, M. Kimball, "*Smallholder Agriculture in the Information Age: Limits and Opportunities*," Third ACM Workshop on Computing within Limits (LIMITS), June 22–24, 2017.

12. **D.-S. Zois**, "*Sequential Decision–Making in Healthcare IoT: Real–Time Health Monitoring, Treatments and Interventions*," IEEE 3rd World Forum on Internet of Things (WF–IoT), Reston, VA, Dec. 12–14, 2016.

11. P. Guan, M. Raginsky, R. Willett, **D.-S. Zois**, "*Regret minimization algorithms for single–controller zero–sum stochastic games*," 55th IEEE Conference on Decision and Control (CDC), Las Vegas, NV, Dec. 12–14, 2016.

10. **D.-S. Zois**, U. Demiryurek, U. Mitra, "*A POMDP approach for active collision detection via networked sensors*," Asilomar Conference on Signals, Systems, and Computers (ACSSC), Pacific Grove, CA, Nov. 6–9, 2016. (invited)

9. **D.-S. Zois**, M. Raginsky, "*Active Object Detection on Graphs via Locally Informative Trees*," 26th IEEE International Workshop on Machine Learning for Signal Processing (MLSP), Vietri sul Mare, Salerno, Italy, Sept. 13–16, 2016.

8. **D.-S. Zois**, U. Mitra, "*Controlled Sensing: A Myopic Fisher Information Sensor Selection Strategy*," Globecom, Austin, TX, Dec. 8–12, 2014.

7. **D.-S. Zois**, U. Mitra, "*A Weiss–Weinstein Lower Bound Based Sensing Strategy for Active State Tracking*," IEE International Symposium on Information Theory (ISIT), Honolulu, HI, June 29–July 4, 2014.

6. **D.-S. Zois**, U. Mitra, "*On the Properties of Nonlinear POMDPs for Active State Tracking*," IEEE Global Conference on Signal and Information Processing (GlobalSIP), Austin, TX, Dec. 3–5, 2013. (invited)

5. **D.-S. Zois**, U. Mitra, "*A Unified Framework for Energy Efficient Physical Activity Tracking*," Asilomar Conference on Signals, Systems, and Computers (ACSSC), Pacific Grove, CA, Nov. 3–6, 2013. (invited)

4. **D.-S. Zois**, M. Levorato, U. Mitra, "*Non-linear smoothers for discrete–time, finite–state Markov chains*," IEE International Symposium on Information Theory (ISIT), Istanbul, Turkey, July 7–12, 2013.

3. **D.-S. Zois**, M. Levorato, U. Mitra, "*Kalman–like state tracking and control in POMDPs with applications to Body Sensing Networks*," IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Vancouver, Canada, May 26–31, 2013. **(Best Poster Award, University of Southern California)**

2. **D.-S. Zois**, M. Levorato, U. Mitra, "*Heterogeneous Time–Resource Allocation in Wireless Body Area Networks for Green, Maximum Likelihood Activity Detection*," IEEE International Conference on Computer Communications (ICC), Ottawa, Canada, June 10–15, 2012.

1. **D.-S. Zois**, M. Levorato, U. Mitra, "*A POMDP Framework for Heterogeneous Sensor Selection in Wireless Body Area Networks*," International Conference on Computer Communications (INFOCOM) Mini–conference, Orlando, FL, March 25-30, 2012. **(acceptance rate: 25.5%)**

Posters & Abstracts

27. B. Huang, R. M. de Long, L. Disney, **D.-S. Zois**, M. Tracy, "*Simulating a multi–tier intervention for refugee mental health using agent–based modeling*", American Public Health Association Annual Meeting and Expo, Washington D.C., Nov. 2–5, 2025.

26. B. Huang, R. M. de Long, L. Disney, **D.-S. Zois**, M. Tracy, "*Refugee mental health interventions in the United States: a systematic review and meta–analysis*", American Public Health Association Annual Meeting and Expo, Washington D.C., Nov. 2–5, 2025.

25. B. Huang, R. M. de Long, L. Disney, **D.-S. Zois**, M. Tracy, "*Simulating a multi–tier intervention for refugee mental health using agent–based modeling*", Global Center for AI in Mental Health Summit, New York City, NY, Sept. 19th, 2025.

24. S. Ekanayake, **D.-S. Zois**, C. Chelmis, "*Dynamic Datum–wise Feature Acquisition for Supervised Classification*", SUNY AI Symposium, Albany, NY, Oct. 16th, 2023.

23. H. Habibzadeh, K. J. Long, A. E. Atkins, **D.-S. Zois**, T. M. Vaughan, J. S. Norton, J. R. Wolpaw, "*Improving the performance of brain–computer interface(BCI)–based color vision assessment using data interpolation methods*", Neuroscience Meeting Planner (**SfN**), Chicago, IL, Nov. 8–11, 2021.

22. K. J. Long, H. Habibzadeh, A. E. Atkins, **D.-S. Zois**, J. S. Norton, J. R. Wolpaw, "*SSVEP–based color vision assessment: comparing data collection strategies*", Neuroscience Meeting Planner (**SfN**), Chicago, IL, Nov. 8–11, 2021.

21. C. Chelmis, C. Yong, **D.-S. Zois**, "*Discovering Meaningful Word Associations from Participatory Civil Issue Reports*", NetSci 2021, July 5–10, 2021.

20. S. Ekanayake, **D.-S. Zois**, "*Context–Aware Human State Modeling and Monitoring*", Annual University at Albany Research Conference, University at Albany, State University of New York, Albany, NY, April 28th, 2020.

19. S. Ekanayake, C. Zhu, C. Chelmis, **D.-S. Zois**, "*COMPASS: An end–to–end system for streamlining the delivery of human services*", Annual University at Albany Research Conference, University at Albany, State University of New York, Albany, NY, April 28th, 2020.

18. I. Nazar, Y. Liyanage, **D.-S. Zois**, C. Chelmis, "*Multi–class Classification of Online Civil Issue Reports with Multiple Feature Sets*", Annual University at Albany Research Conference, University at Albany, State University of New York, Albany, NY, April 28th, 2020.

17. Y. Liyanage, **D.-S. Zois**, C. Chelmis, "*On–the–fly Feature Selection and Classification with Application to Civic Engagement Platforms*", Annual University at Albany Research Conference, University at Albany, State University of New York, Albany, NY, April 28th, 2020.

16. M. Yao, C. Chelmis, **D.-S. Zois**, "*Robust Detection of Cyberbullying on Instagram: An Optimal Stopping Approach*", NetSci, Burlington, VT, May 27–31, 2019.

15. C. Chelmis, M. Yao, W. Lee, **D.-S. Zois**, B. S. Jagini, "*A First Look into the Network of Human Service Providers*", NetSci, Burlington, VT, May 27–31, 2019.

14. W. Lee, C. Yong, C. Chelmis, **D.-S. Zois**, "*Civic Participation through Online Platforms: Implications for Neighborhood Advocacy*", 49th Annual Conference on Urban Affairs Association (UAA), Los Angeles, CA, April 27–29, 2019.

13. C. Chelmis, **D.-S. Zois**, W. Lee, "*Making Non–Profit and Service–providing Agencies Smarter With Big Data*", INFORMS Annual Meeting (INFORMS), Phoenix, AZ, Nov. 4–7, 2018. (invited)

12. C. Yong, C. Chelmis, **D.-S. Zois**, "*Is it a pothole or graffiti? The Ins and Outs of Participatory Urban Issue Monitoring*", IEEE MIT Undergraduate Research Technology Conference (URTC), Cambridge, MA, Oct. 7–8, 2018.

11. C. Yong, **D.-S. Zois**, C. Chelmis, "*Building Smarter Communities with Data Science: Resolving Reported Issues in SeeClickFix*", 15th Annual University at Albany Undergraduate Research Conference, University at Albany, State University of New York, Albany, NY, April 27th, 2018.

10. C. Chelmis, **D.-S. Zois**, M. Yao, "*If Networks Could Talk: Understanding the Patterns and Characteristics of Cyberbullying*", KDD Workshop on Data–Driven Discovery, Halifax, Nova Scotia, Canada, Aug. 14th, 2017.

9. **D.-S. Zois**, M. Levorato, U. Mitra, "*Kalman–like state tracking and control in POMDPs with applications to body sensing networks*," Electrical Engineering Research Festival, University of Southern California, Los Angeles, CA, Feb. 6th, 2013. **(USC EE Best Poster Award)**

8. **D.-S. Zois**, M. Levorato, U. Mitra, "*Controlled sensing meets Kalman: smoothing in partially observed environments*," Information Theory and Applications (ITA) Workshop, San Diego, CA, Feb. 10–15, 2013. (invited Graduation Day poster)

7. **D.-S. Zois**, M. Levorato, U. Mitra, "*Unified herding of CaTs: Control and Tracking in POMDPs with Gaussian Observations*," Information Theory and Applications (ITA) Workshop, San Diego, CA, Feb. 10–15, 2013. (invited)

6. **D.-S. Zois**, M. Levorato, U. Mitra, "*Recursive estimation of hidden Markov chains via POMDPs*," CSI's 30th Anniversary Conference and Celebration, USC Davidson Conference Center, Los Angeles, CA, Nov. 29–30, 2012.

5. **D.-S. Zois**, M. Levorato, U. Mitra, "*Recursive Kalman–type state estimation within a POMDP framework*," Cognitive and Algorithmic Decision–Making Workshop, Monticello, IL, Oct. 5–6, 2012. (invited)

4. **D.-S. Zois**, M. Levorato, U. Mitra, "*Energy–Efficient, Heterogeneous Sensor Selection for Physical Activity Detection in Wireless Body Area Networks*," Electrical Engineering Research Festival, University of Southern California, Los Angeles, CA, April 20th, 2012.

3. **D.-S. Zois**, M. Levorato and U. Mitra, "*POMDP Framework for Optimal Sensor Selection and Activity Detection in Wireless Body Area Networks*," 3rd International Workshop in Sequential Methodologies (IWSM), Stanford University, Stanford, CA, June 14–16, 2011. (invited)

2. **D.-S. Zois**, U. Mitra, "*Optimal Sensor Selection for Multihypothesis Physical Activity Detection in Wireless Body Area Networks*," Electrical Engineering Research Festival, University of Southern California, Los Angeles, CA, April 29th, 2011.

1. **D.-S. Zois**, U. Mitra, "*Sleep Schedules for Energy Efficient Activity Detection in a Wireless Body Area Network*," School of Information Theory, University of Southern California, Los Angeles, CA, Aug. 5–8, 2010.

Theses

2. **D.-S. Zois**, "*Active state tracking in heterogeneous sensor networks*," Los Angeles, CA, Aug. 2014.

1. **D.-S. Zois**, "*Telecommunication channel estimation algorithms using hidden training sequence*," Patras, Greece, Sept. 2007. (in Greek)

Chapters in Books

4. O. R. Shishvan, **D.-S. Zois**, T. Soyata, "*Incorporating Artificial Intelligence into Medical Cyber–Physical Systems: A Survey*", In: El Saddik A., Hossain M., Kantarci B. (eds) Connected Health in Smart Cities, pp. 153–178, Springer, Dec. 2019.

3. C. Chelmis, **D.-S. Zois**, "*Order–of–Magnitude Popularity Estimation of Pirated Content*", In Ozyer, T., Alhajj, R. (eds) Machine Learning Techniques for Online Social Networks, Lecture Notes in Social Networks, pp. 85–113, Springer, May 2018.

2. **D.-S. Zois**, S. Lee, M. Annavaram, U. Mitra, "*Energy–Efficient Physical Activity Detection in Wireless Body Area Networks*", In Eshaghian–Wilner, M. M. (ed) Wireless Computing in Medicine: From Nano to Cloud with Ethical and Legal Implications, pp. 211–262, John Wiley & Sons, 2016.

1. **D.-S. Zois**, G. Roumeliotis, V. Kekatos, K. Berberidis, "*Information Transmitting Systems*," Patras, Greece, April 2008. (in Greek)

Media Coverage

- `Can AI address Africa's agricultural trade deficit?`, African Business, July 28th, 2023.
- `U.S. and AmCham Engage Stakeholders on AI Opportunities for Innovation`, U.S. Embassy in Ghana, April 5th, 2023.
- `UAlbany Honors its Inventors`, University at Albany, State University of New York, July 7th, 2022.
- `Using Artificial Intelligence to Aid Farmers in Africa`, Academic Minute, May 27th, 2022.

- Using Artificial Intelligence to Aid Farmers in Ghana, University at Albany, State University of New York, Nov. 18th, 2021.
- How we're supporting 30 new AI for Social Good projects, Google Blog, June 29th, 2021.
- Six Junior Faculty are Recognized for Auspicious Beginnings to Careers, University at Albany, State University of New York, June 11th, 2021.
- Engineering Students Present Senior Capstone Projects, University at Albany, State University of New York, May 25th, 2021.
- UAlbany scientist gets $524K grant to study cyber-human systems, Business Section of Times Union, Feb. 25th, 2021.
- A COMPASS to Provide Service and Support, University at Albany, State University of New York, July 30th, 2020.
- Public Engagement Award Winners Announced, University at Albany, State University of New York, July 14th, 2020.
- Advancing the Human-Computer Revolution, University at Albany, State University of New York, June 9th, 2020.
- UAlbany professors say teaching Instagram to recognize cyberbullying will take time, WNYT, Albany, NY, July 18th, 2019.
- Socially Responsible Cities: Challenges and Opportunities, 2019 Annual CEAS Report, University at Albany, State University of New York, pp. 31–34.
- Undergraduate Research Endowed Fellow Presents at MIT, 2018 Annual CEAS Report, University at Albany, State University of New York, p. 25.
- Immigrant Faculty Internationalizing the University at Albany, Global Synergies, Vol. 6, Spring 2018.
- Creating Smart and Connected Communities, 2017 Annual CEAS Report, University at Albany, State University of New York, p. 11.
- 5 Questions with Faculty: Daphney-Stavroula Zois, University at Albany, State University of New York, Dec. 6th, 2017.
- NSF Awards Three UAlbany Faculty $1 Million Grant, University at Albany, State University of New York, Dec. 5th, 2017.

Tutorials

- **D.-S. Zois**, C. Chelmis, "From Feature Selection to Instance–wise Feature Acquisition", SIAM International Conference on Data Mining (SDM), Houston, TX, Apr. 18–20, 2024. [Website]
- C. Chelmis, **D.-S. Zois**, "Characterization, Detection, and Mitigation of Cyberbullying", 13th ACM Web Science Conference (WebSci), Virtual, June 21–22, 2021. [Website]
- C. Chelmis, **D.-S. Zois**, "Characterization, Detection, and Mitigation of Cyberbullying", 12th International Conference on Web and Social Media (ICWSM), Stanford, CA, June 25–28, 2018. [Website]
- C. Chelmis, **D.-S. Zois**, "Popularity on the Web: From Estimation to Prediction", IEEE International Conference on Big Data (Big Data), Boston, MA, Dec. 11–14, 2017. [Slides]

Invited Talks

- "Adaptive Instance–wise Model Prediction Fusion in Multimodal Settings", Air Force Research Laboratory, Rome, NY, July 2025.
- "Cost–aware Machine Learning: Balancing Accuracy and Acquisition Costs", 2023 EDGE Symposium at GE Research, Sept. 2023.
- "Socially Important Engineering: Breaking free from traditional norms", University of Southern California WiSE Alumni Series, Mar. 2023.
- "Cost–sensitive Machine Learning and Signal Processing", UAlbany Artificial Intelligence Symposium, Nov. 2022.
- "Dynamic Instance–wise Feature Selection for Real–Time Machine Learning", Computer Science Seminar, Department of Computer Science, Missouri S&T, Apr. 2022.
- "My Personal Journey to Academia...", The Copula Program, Virtual, July 2021.
- "Datum–wise Decision–Making in Artificial Intelligence", The Copula Program, Virtual, July 2021.
- "AI for Social Good: Achieving Societal Outcomes through Interpretable Machine Learning", Inaugural Lightning Talks on Artificial Intelligence series, University at Albany, SUNY, Apr. 2020.
- "AI for Social Good: From Cyberbullying Detection to Improving the Delivery of Physical and

Human Services", Artificial Intelligence Club, Albany Academy for Girls High School, Albany, NY, Oct. 2019.
- "Online Feature Selection for Real–Time Machine Learning", Department of Electrical & Computer Engineering, Binghamton University, SUNY, Apr. 2019.
- "Spatiotemporal Quickest Change Detection for Traffic Accident Nowcasting", Data Science Seminar, Department of Mathematical Sciences, Binghamton University, SUNY, Apr. 2019.
- "Toward Smart and Connected Communities in Health and Human Services," United Way of the Greater Capital Region, Feb. 2019.
- "Guess who: active state tracking in the IoT era", University of Virginia, Apr. 2016.
- "Guess who: active state tracking in the IoT era", University at Albany, SYNY, Apr. 2016.
- "Guess who: active state tracking in the IoT era", University of Massachusetts, Boston, Apr. 2016.
- "Guess who: active state tracking in the IoT era", University of Southern California, Mar. 2016.
- "Guess who: active state tracking in the IoT era", University of North Texas, Mar. 2016.
- "Active state tracking in heterogeneous sensor networks", Stanford University, July 2014.
- "Active state tracking in heterogeneous sensor networks", Cognitive and Algorithmic Decision–Making seminar, University of Illinois, Urbana–Champaign, Apr. 2014.
- "Active state tracking in heterogeneous sensor networks", University of British Columbia, Apr. 2014.
- "Active state tracking in heterogeneous sensor networks via controlled sensing", CommNetS Seminar, Electrical Engineering Department, University of Southern California, Feb. 2014.

Advising Experience

- **Ph.D. Students:**
  - Ali Salehi Darjani (Ph.D. Student, Spring 2025 – present)
  - Joy Saha (Ph.D. Student, Fall 2024 – present)
    - `College of Nanotechnology, Science, and Engineering Excellence in Teaching Award, 2025.`
  - Nipun Wickramasinghe (Ph.D. Student, Fall 2023 – present)
    - `Coursera Financial Aid, 2023.`
  - Sachini Ekanayake (Ph.D. in Electrical & Computer Engineering, 2024), "Datum–wise Learning and Inference for Supervised Classification".
    Current: Postdoctoral Research Associate at GE Vernova.
    - `ML and Systems Rising Stars, 2024;`
    - `CPS Rising Stars, 2023;`
    - `University at Albany GSA Grant Award, 2021;`
    - `Grace Hopper Celebration Student Scholarship, 2021;`
    - `University at Albany Initiatives for Women Fellowship, 2021;`
    - `Coursera Financial Aid, 2021.`
  - Hadi Habibzadeh (Ph.D. in Electrical & Computer Engineering, 2022), "Improving Detection and Classification of Steady–State Visual Evoked Potentials in Brain–Computer Interfaces".
    Current: Applied Scientist at Amazon.
    - `University at Albany GSA Grant Award, 2021;`
    - `NIH-Funded Scholarship-Summer School in Adaptive Neurotechnologies, 2019;`
    - `IEEE UEMCON Conference Best Paper Award recipient, 2018.`
  - Yasitha Warahena Liyanage (Ph.D. in Electrical & Computer Engineering, 2022), "Dynamic Instance–wise Decision–making for Machine Learning".
    Current: Data and Applied Scientist at Microsoft.
    - `Microsoft Azure Core Camps Award, 2024;`
    - `Distinguished Doctoral Dissertation Award, 2022;`
    - `National Science Foundation Travel Grant, 2020;`
    - `University at Albany GSA Grant Award, 2020;`
    - `IEEE Signal Processing Society Travel Grant, 2018.`

- Peng Guan (Ph.D. in Electrical & Computer Engineering, 2015), "Topics in online Markov decision processes".

- **M.S. Students:**
  - Akshay Gujjari (M.S. in Computer Science, 2020), Project title: "S2 Lab: A Dashboard for Visualizing Social Services Data in New York state".
    Current: Data Engineer at New York State Department of Environmental Conservation.
  - Shon Bangale (M.S. in Computer Science, 2019), Project title: "COMPASS: A Human–Centered Mobile App for Non–Profit and Human Services".
    Current: Senior Software Engineer at 777 Partners.
  - Imara Nazar (Aug. 2018 – May 2020), Project title: "Dynamic Multi–view Feature Selection and Classification".
    Current: Ph.D. Student in Electrical & Computer at University at Albany, SUNY.
    - `National Science Foundation Travel Grant, 2019.`
  - Angeliki Kapodistria (Aug. 2017 – May 2018), Project title: "Fast and Accurate Cyberbullying Detection".
    Current: Data Engineering Analyst at Accenture.
    - `University at Albany Initiatives for Women Fellowship, 2018.`
  - Sarah Siddiqui (M.S. in Information Science, 2018), Project title: "Popularity Prediction".
    Current: STEM Librarian at University of Rochester.

- **B.S. Students:**
  - Kirti Bagepalli (Summer 2024), Project title: "Analyzing and Detecting Cyberbullying in TikTok".
    Current: Undergraduate student in Electrical & Computer Engineering at Cornell University.
  - Andrew Kang (Summer 2024), Project title: "Analyzing and Detecting Cyberbullying in TikTok".
    Current: Undergraduate student in Data Science at University of Michigan, Ann Arbor.
  - Najani Johnson (Spring 2024), Project title: "Machine Learning for Wireless Body Area Networks".
    Current: Undergraduate student in Electrical & Computer Engineering at University at Albany, SUNY.
  - Sarah J Scheps (Spring 2024), Project title: "Wireless Body Area Networks for Context–Aware Human State Monitoring".
    Current: Undergraduate student in Electrical & Computer Engineering at University at Albany, SUNY.
  - Sarah J Scheps (Summer 2023), Project title: "ECE K–12 Outreach Program".
    Current: Undergraduate student in Electrical & Computer Engineering at University at Albany, SUNY.
  - Renee N La Londe (Summer 2023), Project title: "ECE K–12 Outreach Program".
    Current: Undergraduate student in Electrical & Computer Engineering at University at Albany, SUNY.
  - Alondra Cruz–Delgado (Summer 2023), Project title: "ECE K–12 Outreach Program".
    Current: Undergraduate student in Electrical & Computer Engineering at University at Albany, SUNY.
  - Anna Noelle Beech (Summer 2023), Project title: "ECE K–12 Outreach Program".
    Current: Undergraduate student in Electrical & Computer Engineering at University at Albany, SUNY.
  - Liana Pangburn (B.S. in Computer Science, 2022), Project title: "Great Danes Student Services App".
    Current: Software Engineer II at Travelport.
  - Matthew Killeen (B.S. in Computer Science, 2022), Project title: "Great Danes Student Services App".
    Current: Associate Software Engineer at Infosys.

- Zachary Balogh (B.S. in Computer Science, 2022), Project title: "Great Danes Student Services App".
  Current: Integration Consultant at Cognizant.
- Hangyeol Park (B.S. in Computer Science, 2022), Project title: "Great Danes Student Services App".
  Current: Software Development Engineer at Amazon.
- Mohamed Hashem (B.S. in Electrical & Computer Engineering, 2021), Project title: "UAlbany App for Students".
- Krithika Sundaram (B.S. in Electrical & Computer Engineering, 2021), Project title: "UAlbany App for Students".
- Sergio Gutierrez (B.S. in Electrical & Computer Engineering, 2021), Project title: "UAlbany App for Students".
- Pranjal Atrey (B.S. in Computer Science, 2021), Project title: "Understanding Service Seekers Pathways via Exploratory Data Analysis".
  Current: M.S. Student at University of Maryland, College Park.
  - `University at Albany Presidential Award for Undergraduate Research, 2020.`
- Ben Poholchuk (B.S. in Electrical & Computer Engineering, 2021), Project title: "A Wireless Body Area Network for Context–Aware Human State Monitoring".
  Current: Associate Electrical Engineer at Naval Nuclear Laboratory.
- Ian Pradhan (B.S. in Computer Science, 2020), Project title: "Multi–task Learning for Intelligent Transportation".
- Mahnoor Amir (B.S. in Computer Science, 2020), Project title: "A Survey of Mobile Applications for Human Services Delivery".
  Current: Analyst at HPS Investment Partners, LLC.
- Christopher Yong (B.S. in Computer Science, 2018), Project title: "Machine Learning Applications for Smart and Connected Communities".
  Current: Data Engineer at OM1, Inc.
  - `University at Albany Undergraduate Research Endowed Fellowship, 2018.`
- Carey Zhang (B. S. in Electrical/Biomedical Engineering, 2013), Project title: "Wireless Body Area Networks".
  Current: Senior Machine Learning/Health Algorithms Engineer at Apple.
- Vishnu Vardhan Ratnam (B. Tech. in Electrical, Electronics & Communications Engineering, 2012), Project title: "Spectrum Sensing".
  Current: Staff Research Engineer II at Samsung Research.
- Rayfe Gaspar–Asaoka (B.S. in Electrical Engineering, 2012), Project title: "Wireless Body Area Networks".
  Current: Partner at Canaan.
- Alison McDonald (B.S. in Biomedical Engineering, 2012), Project title: "Wireless Body Area Networks".
  Current: Senior Manager at Bristol Myers Squibb.
- Peng Guo (B.S. 2010), Project title: "Sparse Channel Approximation".

- **Committee Member:**
  - Nathaniel Rowe (Ph.D. student in Electrical & Computer Engineering), "Wireless User Detection with Imperfect Knowledge".
  - Sadia Rahman (Ph.D. in Computer Science, 2025), "Leveraging Feature Interaction and Inter–Instance Dependencies in Classification Tasks".
  - Charlotte Huang (Ph.D. in Public Health, 2025), "Simulating A Multi–Tier Intervention for Refugee Mental Health Using Agent-Based Modeling".
  - Zhibin Zou (Ph.D. in Electrical & Computer Engineering, 2025), "Waveforms for Next Generation Non–Stationary Channels".

- Wenting Qi (Ph.D. in Computer Science, 2023), "Learning from Hierarchical and Noisy Labels".
- Omid Rajabi Shishvan (Ph.D. in Electrical & Computer Engineering, 2022), "ACT5 EIT System: A Mutiple–Source Electrical Impedance Tomography System".
  Current: Postdoctoral Researcher at University at Albany, SUNY.
- Ehab AlBadawy (Ph.D. in Electrical & Computer Engineering, 2022), "AI–Synthesized Speech: Generation and Detection".
  Current: Applied Research Scientist at Meta.
- Sadat Shahriar (M.S. in Electrical & Computer Engineering, 2019), "Emotion Forecasting in Dyadic Conversation: Characterizing and Predicting Future Emotion with Audio–Visual Information Using Deep Learning".
  Current: Ph.D. Student in Computer Science at University of Houston.

- **High School Teachers:**
  - Gail Atley (July – Aug. 2012), K–12 Science Teacher, Inglewood High School, Inglewood, CA.
  - Shaun Evola (July – Aug. 2012), K–12 Science Teacher, Environmental Charter Middle School.
  - Song Hwang (July – Aug. 2011), K–12 Science Teacher, Foshay Learning Center, Los Angeles, CA.
  - Qin Huang (July – Aug. 2011), K–12 Science Teacher, Foshay Learning Center, Los Angeles, CA.
- **High School Students:**
  - Sebastien Kumar (Summer 2021), Fairview High School, Boulder, CO.
    Current: B.S. student in Mechanical Engineering at Lehigh University.
  - Kathleen O'Sullivan (Summer 2021), Carmel High School, NY.
    Current: B.S. student in Computer Engineering at Purdue University.
  - Jonathan Martinez (Summer 2021), Catalina Foothills High School, Tucson, AZ.
    Current: B.S. student in Electrical & Computer Engineering at New York University.

Professional Activities

- **Memberships/Affiliations in Professional Societies:**
  - Technical Committee Affiliate, Machine Learning for Signal Processing (MLSP) Technical Committee, IEEE Signal Processing Society.
  - Technical Committee Affiliate, Signal Processing Theory and Methods (SPTM) Technical Committee, IEEE Signal Processing Society.
  - Member, IEEE Signal Processing Society.
  - Member, IEEE.
- **Area Chair:**
  - Annual Conference on Neural Information Processing Systems (NeurIPS), 2024 – 2025.
- **Organizing Committee Member:**
  - Data Science and Advanced Analytics for Smart & Connected Communities (Special Session), IEEE International Conference on Data Science and Advanced Analytics (DSAA), Porto, Portugal, Oct. 6–9, 2021.
  - 2021 NSF Cyberphysical Systems PI Meeting, Virtual, June 2–4, 2021.
  - 1st Symposium on Signal Processing and Machine Learning for Social Good, IEEE Global Conference on Signal and Information Processing (GlobalSIP), Ottawa, Canada, Nov. 11–14, 2019.
  - 2019 NSF Smart and Connected Communities PI Meeting, Denver, CO, April 1–3, 2019.
  - Proposal Writing Seminar, Ming Hsieh Department of Electrical Engineering, University of Southern California, Los Angeles, CA, April 1st, 2013.

- 3rd Annual Ming Hsieh Department of Electrical Engineering Research Festival, University of Southern California, Los Angeles, CA, Feb. 6th, 2013.
- 2nd Annual Electrical Engineering Retreat, Hyatt Regency Indian Wells Resort & Spa, Palm Springs, CA, Oct. 27–28, 2012.
- "PhD: Perpetually Hard Dilemmas" Panel, 2nd Annual Electrical Engineering Retreat, Hyatt Regency Indian Wells Resort & Spa, Palm Springs, CA, Oct. 27–28, 2012.
- Electrical Engineering PhD Student Seminar Series, University of Southern California, 2012 – 2013.

- **Technical Program Committee Member:**
  - International Joint Conference on Artificial Intelligence (IJCAI), 2024.
  - IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), 2021 – 2022.
  - IEEE International Workshop on Information Forensics and Security (WIFS), 2021.
  - AAAI Conference on Artificial Intelligence (AAAI), 2021 – 2026.
  - IEEE Global Communications Conference (Globecom) Selected Areas in Communications (SAC) Symposium E–Health, 2019 – 2021.
  - IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC), 2018 – 2019.
- **Review Activities:**
  - Reviewer for Grants and Proposals:
    - Panelist, CISE, National Science Foundation, 2018 – 2025.
    - Panelist, ENG, National Science Foundation, 2021 – 2022.
    - Ad–hoc Reviewer, National Science Foundation, 2022.
    - Panelist, SUNY Downstate Health Sciences University Seed Grant, 2022.
    - Reviewer, University of Tennessee at Chattanooga SimCenter Internal Grant Competition, 2022.
  - Reviewer for Peer–Reviewed Journals:
    - Springer Machine Learning, 2023 – present.
    - IEEE Transactions on Computational Social Systems, 2021 – present.
    - IEEE Transactions on Information Theory, 2021 – present.
    - IEEE Transactions on Artificial Intelligence, 2020 – present.
    - IEEE Transactions on Neural Networks and Learning Systems, 2018 – present.
    - IEEE Access, 2018 – present.
    - IEEE Transactions on Control of Network Systems, 2017 – present.
    - IEEE Transactions on Aerospace and Electronic Systems, 2017 – present.
    - IEEE Transactions on Network and Service Management, 2017 – present.
    - IEEE Signal Processing Letters, 2016 – present.
    - IEEE Journal on Selected Areas in Communications, 2016 – present.
    - IEEE Transactions on Automatic Control, 2016 – present.
    - Automatica, 2016 – present.
    - IEEE Transactions on Signal Processing, 2014 – present.
    - IEEE Communications Magazine, 2014 – present
    - IEEE Transactions on Parallel and Distributed Systems, 2014 – present.
    - ACM Transactions on Sensor Networks, 2013 – present.
  - Reviewer for Peer–reviewed Conferences/Workshops:
    - International Conference on Machine Learning (ICML), 2024 – 2025.
    - ACM Web Conference (WebConf), 2023.
    - International Conference on Learning Representations (ICLR), 2022, 2024 – 2026.

  - Annual Conference on Neural Information Processing Systems (NeurIPS), 2016, 2022, 2023.
  - AAAI Conference on Artificial Intelligence (AAAI), 2021 – 2026.
  - International Joint Conference on Artificial Intelligence (IJCAI), 2020, 2024.
  - IEEE International Conference on Data Science and Advanced Analytics (DSAA), 2021 – 2022.
  - International Conference on Acoustics, Speech and Signal Processing (ICASSP), 2013, 2014, 2020 – 2025.
  - Asilomar Conference on Signals, Systems, and Computers (ACSSC), 2020 – 2025.
  - European Signal Processing Conference (EUSIPCO), 2020 – 2024.
  - IEEE International Workshop on Machine Learning for Signal Processing (MLSP), 2021 – 2024.
  - IEEE Data Science & Learning Workshop (DSLW), 2021 – 2022.
  - IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), 2021 – 2022.
  - IEEE Conference on Decision and Control (CDC), 2020.
  - IEEE American Control Conference (ACC), 2019 – 2020.
  - IEEE Global Communications Conference (Globecom), 2019 – 2022.
  - IEEE Information Theory Workshop (ITW), 2018.
  - IEEE Wireless Communications and Networking Conference (WCNC), 2016.
  - IEEE International Symposium on Information Theory (ISIT), 2015, 2017.
  - IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC), 2013 – 2014, 2018 – 2019.
- **Panel Participant:**
  - "PhD: Perpetually Hard Dilemmas", 2nd Annual Electrical Engineering Retreat, Hyatt Regency Indian Wells Resort & Spa, Palm Springs, CA, Oct. 27–28, 2012.
  - "Electrical Engineering Education for 2020 & Beyond", 2nd Annual Electrical Engineering Retreat, Hyatt Regency Indian Wells Resort & Spa, Palm Springs, CA, Oct. 27–28, 2012.

University Service

- Member, ECE Strategic Plan Committee, Dept. of Electrical & Computer Engineering, 2024 – present.
- Member, Global Center for AI in Mental Health, University at Albany, SUNY, 2024 – present.
- Chair, Graduate Studies Committee, Dept. of Electrical & Computer Engineering, 2023 – 2025.
- Member, Faculty Search Committee, Dept. of Electrical & Computer Engineering, 2023 – 2024.
- Member, Artificial Intelligence Curriculum Committee, University at Albany, SUNY, 2023 – present.
- Member, Veteran Affairs Partnership Council, University at Albany, SUNY, 2023 – present.
- Member, CEAS–CNSE Name Brainstorming Committee, College of Engineering & Applied Sciences, 2023.
- Member, Healthy Aging Steering Committee, University at Albany, SUNY, 2022 – present.
- Chair, Faculty Search Committee, Dept. of Electrical & Computer Engineering, 2022 – 2023.
- Member, Tenure & Promotion Committee, Dept. of Electrical & Computer Engineering, 2022 – 2023.
- Member, Artificial Intelligence and Cybersecurity Institute Design Group, University at Albany, SUNY, 2021 – 2022.
- Member, Graduate Admissions Committee, Dept. of Electrical & Computer Engineering, 2020 – 2023.
- Member, Artificial Intelligence and Cyber Security Initiative Seed Funding Committee, University at Albany, SUNY, 2020.
- Chair, Graduate Admissions Committee, Dept. of Electrical & Computer Engineering, 2019 – 2020.
- Member, Graduate Studies Committee, Dept. of Electrical & Computer Engineering, 2018 – 2023.
- Member, Open Access Policy Working Group, University at Albany, SUNY, 2018 – 2021.

- Member, Council on Research Faculty Research Award Subcommittee, University at Albany, SUNY, 2018.
- Participant, Women in Information Technology Event, University at Albany, SUNY, 2017.
- Course Coordinator, Undergraduate Curriculum Development Committee, Dept. of Electrical & Computer Engineering, 2017.
- Member, Bunshaft Lecture Committee, College of Engineering & Applied Sciences, 2017 – 2018.
- Participant, Outreach Campaign, College of Engineering & Applied Sciences, 2017–2020.
- Participant, K–12 Outreach with Albany Schools, College of Engineering & Applied Sciences, 2017.
- Participant, Scholar's Day, College of Engineering & Applied Sciences, 2017.
- Participant, Opening Convocation, University at Albany, SUNY, 2017.
- Member, Faculty Search Committee, Dept. of Electrical & Computer Engineering, 2016 – 2018.
- Member, Graduate Programs (M.S. and Ph.D.) Development Committee, Dept. of Electrical & Computer Engineering, 2016 – 2018.
- Member, Department Chair Search Committee, Dept. of Electrical & Computer Engineering, 2016.
- Participant, Fall Open House, College of Engineering & Applied Sciences, 2016.

Community Service

- The Food Pantries of the Capital District Software Development Committee, 2018–present.

Outreach

- Engineering Ambassadors program (Spring 2024), Schenectady High School, Albany, NY.
  Interact with students and help them to build a smart lighting sensor.
- STEMpowerment camp (Spring 2023), College of Engineering & Applied Sciences, University at Albany, SUNY.
  Introduce female students in 6 – 8th grade to careers in a wide variety of STEM fields in which they may be underrepresented.
- Talk on "Socially Important Engineering: Breaking free from traditional norms", University of Southern California WiSE Alumni Series, Mar. 2023.
- Pizza social for female–identifying students (Fall 2022), College of Engineering & Applied Sciences, University at Albany, SUNY.
- Talk on "My Personal Journey to Academia...", The Copula Program, Virtual, July 2021.
- Mentor for The Copula Program (Summer 2021).
  Four–week remote academic mentorship for high school students.
- Talk on "AI for Social Good: From Cyberbullying Detection to Improving the Delivery of Physical and Human Services", Artificial Intelligence Club, Albany Academy for Girls High School, Albany, NY, Oct. 2019.
- Science and Technology Entry (STEP) workshop (Summer 2018, University at Albany, SUNY).
  Review of technological solutions for cyberbullying detection.
- Guest lecture at the "World of Engineering and Applied Sciences" class, University at Albany, Albany, NY, Sept. 2016.
- NSF Research Experience for Teachers (RET) program (Summer 20211/2012, University of Southern California).
  Design of K–12 curricula on sensor system topics for health applications

Languages

- **Greek**: Native
- **English**: Cambridge First Certificate, Cambridge Certificate of Proficiency, Michigan Certificate of Proficiency, TOEFL
- **French**: DELF 1, DELF 2