

Armstrong Aboah, Ph.D.

Assistant Professor

Portfolio: <https://aboah1994.github.io/>

Email: aboah1994@gmail.com

Mobile: +1-931-284-7657

Google Scholar Citation: 945

Github: <https://github.com/aboah1994>

H-index: 15 i10-index: 20

SUMMARY

The information presented in this curriculum vitae reflects accomplishments and contributions made exclusively following my appointment at North Dakota State University. No prior achievements or activities preceding this appointment have been included.

EDUCATION

University of Missouri, Columbia, MO, USA

Doctor of Philosophy (Civil Engineering),

Jan 2020 – Dec 2022

- Concentration in Computer Vision and Machine Learning o Dissertation: *AI-based framework for automatically extracting high-low features from NDS data to understand driver behavior*

Tennessee Technological University, Cookeville, USA

Master of Science,

Aug 2018 – Dec 2019

- Concentration in Transportation Planning

Kwame Nkrumah University of S&T, Kumasi, Ghana

Bachelor of Science,

Sep 2013 – July 2017

- Concentration in Structure Engineering

RESEARCH INTERESTS

- Transportation Planning
- Human Factors and Ergonomics
- Intelligent Transportation Systems
- Autonomous and Connected Vehicles
- Medical Image Analysis
- Digital Twins and Smart Cities
- Big Data Analytics in Transportation
- Travel demand modeling and forecasting
- Transportation and Traffic Safety Research
- Public Transportation
- Congestion Management
- Pavement and Asset Management

TEACHING INTEREST

- Transportation Planning
- Application of AI in Transportation
- Traffic Safety
- Highway Design
- Travel Demand Modeling
- Pavement Design

ACADEMIC APPOINTMENTS

- | | | |
|--------------------------------|-------------------------------|-------------------|
| • Assistant Professor | North Dakota State University | Feb 2024-Present |
| • Assistant Research Professor | University of Arizona | Aug 2023-Jan 2024 |
| • Research Associate | Northwestern University | Jan 2023-Aug 2023 |

PROFESSIONAL MEMBERSHIP/ACTIVITIES

- | | | |
|-------------------------|--|------------------|
| • Member | TRB Standing Committee on Pavement Asset Mang. | Jun 2025-Present |
| • Continuing Edu. Chair | ASCE – North Dakota Chapter | Jun 2024-Present |
| • Member | Transportation and Development Institute | Jun 2024-Present |
| • Member | American Society of Civil Engineers (ASCE) | May 2024-Present |
| • Member | IEEE | Feb 2024-Present |

RESEARCH

REFEREED JOURNAL PUBLICATIONS (* Student Supervised, ^c Corresponding author, ^E Equal)

12. Alade O. *, Khan F. N*, & **Aboah, A.^c** (2025). Enhancing Fisheye Object Detection Using Frequency-Domain Attention and Dual Aggregation Transformer. *IEEE Access*.
Impact Factor (IF) = 3.6 SJR = Q1
11. Asamoah, K. J.*, Kyem, A. B.*, & **Aboah, A.^c** (2025). SAAM-ReflectNet: Sign-Aware Attention-Based Multitasking Framework for Integrated Traffic Sign Detection and Retroreflectivity Estimation. *Expert Systems with Applications*.
Impact Factor (IF) = 7.5 SJR = Q1
10. Kyem, A.B.*, Asamoah, K.J.*, & **Aboah, A.^c** (2025). Context-CrackNet: A Context-Aware Framework for Precise Segmentation of Tiny Cracks in Pavement images. *Construction and Building Materials*.
Impact Factor (IF) = 8.0 SJR = Q1
9. Habib, F.M, Motuba, D., Hang, Y., **Aboah, A.** (2025). Exploring contributing factors in single-vehicle truck crashes on rural roads: Accounting for unobserved heterogeneity and role of solar glare. *Traffic Injury Prevention*.
Impact Factor (IF) = 1.9 SJR = Q2
8. Danyo, A.*, Dontoh, A., **Aboah, A.^c** (2025). An Improved Resnet50 Model for Predicting Pavement Condition Index (PCI) Directly from Pavement Images. *Road Materials and Pavement Design*.
Impact Factor (IF) = 3.0 SJR = Q1
7. Tran, D. Q.^E, **Aboah, A.^E**, Jeon, Y., Do, M., Abdel-Aty, M., Park, M., & Park, S. (2025). Visual Question Answering-based Referring Expression Segmentation for construction safety analysis. *Automation in Construction*.
Impact Factor (IF) = 11.5 SJR = Q1
6. Zhang, L., Yu, X., **Aboah, A.**, & Adu-Gyamfi, Y. (2025). 3D Object Detection and High-Resolution Traffic Parameters Extraction Using Low-Resolution LiDAR Data. *ASCE Journal of Transportation Research Part A*.
Impact Factor (IF) = 2.1 SJR = Q2
5. Tran, D. Q., Jeon, Y., **Aboah, A.**, Bak, J., Park, M., & Park, S. (2025). Leveraging Semisupervised Learning for Domain Adaptation: Enhancing Safety at Construction Sites through Long-Tailed Object Detection. *ASCE Journal of Construction Engineering and Management*, 151(1), 04024190.
Impact Factor (IF) = 5.1 SJR = Q1
4. Kyem, A. B.*, Asamoah, K. J.*, Huang, Y., & **Aboah, A.^c** (2024). Weather-Adaptive Synthetic Data Generation for Enhanced Power Line Inspection Using StarGAN. *IEEE Access*.
Impact Factor (IF) = 3.6 SJR = Q1
3. Arthur, E., **Aboah, A.^c**, & Huang, Y. (2024). A Novel FHWA-Compliant Dataset for Granular Vehicle Detection and Classification. *IEEE Access*.
Impact Factor (IF) = 3.6 SJR = Q1
2. Duah, J. O.*, **Aboah, A.^c**, & Osafo-Gyamfi, S. (2024). DivNEDS: Diverse Naturalistic Edge Driving Scene Dataset for Autonomous Vehicle Scene Understanding. *IEEE Access*.
Impact Factor (IF) = 3.6 SJR = Q1
1. Owor, N. J., Adu-Gyamfi, Y., **Aboah, A.**, & Amo-Boateng, M. (2024). PaveSAM—segment anything for pavement distress. *Road Materials and Pavement Design*, 1-25.

Impact Factor (IF) = 3.0 SJR = Q1

REFEREED CONFERENCE PROCEEDING (* Student Supervised, ^c Corresponding author, ^E Equal)

10. Kyem, B. A.*, Owor, N. J.*, Danyo, A.*, Asamoah, J. K., Denteh, E., Muturi, T.W., Dontoh, A., Adu-Gyamfi, Y., **Aboah, A.^c**. (2025). Task-Specific Dual-Model Framework for Comprehensive Traffic Safety Video Description and Analysis. *Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV) W.*
H5-index = 291 Acceptance rate: 26.2%
🏆 10th Place Ranking Methodology
9. Muturi, T.W.*, Kyem, B. A.*, Asamoah, J. K.*, Owor, N. J., Dyzinela, R., Danyo, A., Adu-Gyamfi, Y., **Aboah, A.^c**. (2025). Prompt-Guided Spatial Understanding with RGB-D Transformers for Fine-Grained Object Relation Reasoning. *Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV) W.*
H5-index = 291 Acceptance rate: 26.2%
🏆 4th Place Ranking Methodology
8. Owor, N. J.*, Asamoah, J. K.*, Muturi, T.W., Owor, A. J., Kyem, B. A., Danyo, A., Adu-Gyamfi, Y., **Aboah, A.^c**. (2025). A Unified Detection Pipeline for Robust Object Detection in Fisheye-Based Traffic Surveillance. *Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV) W.*
H5-index = 291 Acceptance rate: 26.2%
🏆 8th Place Ranking Methodology
7. Kyem, B. A.*, Asamoah, J. K., Addai, T., Denteh, E. K. O., Danyo, A., **Aboah, A.^c**. (2025). Foundation Model for Pavement Defect Detection: A Big Data-Driven Approach to Robust Road Condition Monitoring. *10th International Conference of Big Data Analytics (ICBDA 2025).*
6. Denteh, E. K. O.*, Danyo, A., Kyem, B. A., Asamoah, J. K., Addai, T., **Aboah, A.^c**. (2025). Integrating Travel Behavior Forecasting and Generative Modeling for Predicting Future Urban Mobility and Spatial Transformations. *10th International Conference of Big Data Analytics (ICBDA 2025).*
★ Best Research Presentation Award
5. Kyem, B. A.*, Denteh, E. K. O., Asamoah, J. K., **Aboah, A.^c**. (2025). PaveCap: The First Multimodal Framework for Comprehensive Pavement Condition Assessment with Dense Captioning and PCI Estimation. *104th Annual Meeting of the Transportation Research Board (TRB).*
4. Asamoah, J. K.*, Kyem, B. A., Ansarinejad, K., **Aboah, A.^c**. (2025). A Novel Methodological Framework for Assessing Traffic Sign Retroreflectivity Using Lidar Data. *104th Annual Meeting of the Transportation Research Board (TRB).*
3. Kwakye, K., Seong, Y., Yi, S., & **Aboah, A.** (2024). All you need is data: A multimodal approach in understanding driver behavior. *In Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 68, No. 1, pp. 1298-1304). Sage CA: Los Angeles, CA: SAGE Publications.
2. Tran, D. Q.^E, **Aboah, A.^E**, Jeon, Y., Shoman, M., Park, M., & Park, S. (2024). Low-Light Image Enhancement Framework for Improved Object Detection in Fisheye Lens Datasets. *In Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition.*
Impact Factor (IF) = 63.1 Acceptance rate: 23.6%
🏆 5th Place Ranking Methodology
1. Tran, D. Q.^E, **Aboah, A.^E**, Jeon, Y., Shoman, M., Park, M., & Park, S. (2024). Low-Light Image Enhancement Framework for Improved Object Detection in Fisheye Lens Datasets. *In Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition.*
Impact Factor (IF) = 63.1 Acceptance rate: 23.6%
🏆 6th Place Ranking Methodology

GRANTS

Total Amount Awarded=\$ 4.24M

Winning Proposals

Federal/ International/ External Grants

1. **Sponsor:** National Science Foundation (NSF)
Title: “Equipment: MRI: Track 2 Acquisition of a GPU-Accelerated Computing Cluster for Computationally Intensive and AI Research in North Dakota”
Amount: **\$ 3,848,048 (\$ 3.85 M)**
Contribution: Co-PI
Award Number: 2510020
Duration: Oct 2025 – Sept 2028
2. **Sponsor:** Tennessee Applied Artificial Intelligence Research (TNAIR)
Title: “PaveBind: One Embedding Space to Unify All Pavement Distress Modalities”
Amount: **\$ 15,150** (50% cost share)
Contribution: 50% Proposal Writer and Co-PI
Award Number:
Duration: Jan 2025 – December 2025
3. **Sponsor:** NSF: National Artificial Intelligence Research Resource Pilot (NAIRR)
Title: “PRIME: A Foundational Predictive Real-time Intersection Monitoring Engine”
Awarded Resources: **TACC Frontera GPU: 10,000.0 Node Hours**
Contribution: Proposal Writer and PI
Award Number: NAIRR240430
Duration: Jan 2025 – December 2025

Local/ NDSU Grants

4. **Sponsor:** University Transportation Center (UTC): CTIPS
Title: “An End-to-End Deep Learning System for Pavement Distress Detection, Severity Estimation, and Condition Reporting”
Amount: **\$ 80,000**
Contribution: Proposal Writer and PI
Award Number:
Duration: Jun 2025 – December 2025
5. **Sponsor:** National Science Foundation (NSF) FARMS ENGINE
Title: “BisonGuard: Advanced Robotic Shepherding System for Bison Herd Management”-Phase 1
Amount: **\$ 119,025**
Contribution: Proposal Writer and PI
Award Number: FAR0038955
Duration: Jun 2025 – December 2025
6. **Sponsor:** AI SUSTEIN - Seed Grant
Title: “Advancing Power Grid Monitoring System: A Lightweight Deep Learning Framework for Real-Time Fault Detection and Continuous Smart Monitoring”
Amount: **\$ 21,750**
Contribution: Proposal Writer and PI
Award Number: FAR0038157
Period: Aug 2024 - May 2025

7. **Sponsor:** EDRF Technology Acceleration Program - RCA
Title: “Development of an IoT-Based Sensor for Advancing Safety Monitoring and Intervention at Work Zone Areas”
Amount: **\$153,889**
Contribution: Proposal Writer and PI
Award Number: FAR0037938
Duration: Jun 2024 – May 2025
8. **Sponsor:** NDSU EXPLORE Undergraduate Research Program
Title: “Advanced Traffic Sign Retro-reflectivity Condition Estimation Using Computer Vision”
Amount: **\$2,400**
Contribution: Proposal Writer and PI
Award Number: 000624
Duration: Jun 2024 – August 2024

Other Proposals (pending)

9. III:Medium:AI-Driven Construction Safety Report Generation Using Multi-Robot System, Submitted to NSF. **Amount: \$1,149,325 (Co-PI)**
10. SoyGuard: AI-Powered Chatbot for SDS Diagnosis and Weed Identification in Soybean Production, Submitted to United Soybean Board. **Amount: \$399,481 (Co-PI)**
11. Integrated Driver Parking Notification System (IDPNS), Submitted to FHWA. **Amount: \$1,039,218 (PI)**
12. Proactive Prevention of Secondary CMV Crashes in Rural Areas, Submitted to FHWA. **Amount: \$638,000 (Co-PI)**
13. Enhancing Safety of Commercial Motor Vehicles in Work Zones Through AI-Driven Monitoring and Intervention, Submitted to FHWA. **Amount: \$730,000 (PI)**
14. Improving Large Litter Collection from Paved Surfaces, Submitted to ODOT. **Amount: \$226,436 (PI)**
15. (RII): EPSCoR Research Fellows: Enhancing Smart Intersection Safety through Multi-Camera 3D Scene Reconstruction and Digital Twin Modeling, Submitted to NSF. **Amount: \$234,746 (PI)**
16. Pavement Marking Selection for Bridge and Pavement Preservation Treatments, Submitted to National Academies. **Amount: \$249,422 (Co-PI)**
17. Identifying Curriculum Needs for Workforce Development in Transportation Asset Management, Submitted to National Academies. **Amount: \$249,422 (PI)**
18. Bridge Strike Prevention and Detection, Submitted to SDDOT. **Amount: \$75,000 (NDSU-PI 30%)**
19. MRI: Track # 1 Acquisition of PSV QTEC 3D-H Scanning Vibrometer, Submitted to NSF. **Amount: \$625,244 (Key Personnel)**
20. WheatSAM: Enhancing Wheat Disease Detection Through Zero-Shot Semantic Segmentation, Submitted to NIFA. **Amount: \$117,328 (PI)**
21. Development of multifunctional concrete using activated biochar derived from agricultural waste, Submitted to NIFA. **Amount: \$649,534 (Co-PI)**
22. Using A Novel UNet and InSAR Data for Continuous Monitoring of Ground Deformation and Performance Tracking of Geotechnical Assets, Submitted to MNDOT. **Amount: \$81,350 (PI)**
23. Long-Term Impacts of Speed Limit Reductions on Urban Road Safety in Minnesota, Submitted to MNDOT. **Amount: \$144,170 (PI)**
24. Analyzing Qualitative Public Input Data Using an Efficient Natural Language Processing Technique, Submitted to MNDOT. **Amount: \$91,200 (PI)**
25. BisonGuard: Revolutionizing Bison Management with UAVs, LiDAR, and AI for Sustainable Agriculture, Submitted to USDA. **Amount: \$489,355 (PI)**
26. Autonomous Vehicles for Americans in Tribes and Rurality (AVATAR), Submitted to USDOT for UTC application in 2024. **Amount: \$300,000 (Co-PI)**
27. Predicting Winter Severity Index: Interactive Web Platform, Submitted to Iowa DOT in 2024. **Amount: \$ 100,000 (PI)**

28. Advancing Work Zone Safety for Commercial Motor Vehicles Through AI-Based Monitoring and Intervention System, Submitted to FMSCA (Federal) in 2024. **Amount: \$ 700,000 (PI)**
29. A Mixed-Reality CDL Simulation Environment for Safe CDL Training, Submitted to FMSCA (Federal) in 2024. **Amount: \$ 195,148 (Co-PI)**
30. Early-career development to Enhance Teaching and Research, Submitted to NDSU Foundation in 2024. **Amount: \$ 5000 (PI)**
31. Engineering Countermeasures to Mitigate Reckless Driving Behavior, Submitted to WisDOT. **Amount \$50,000 (NDSU PI share)**

PRESENTATIONS AND INVITED TALKS

Invited Talks

2. Invited as a guest speaker at the **10th International Conference of Big Data Analytics (ICBDA 2025)**.
1. Invited as a guest speaker at **the International Conference on signal and Data Processing (4th ICSDP-2024)**.

Conference & Annual Meeting Presentation

(⁺presenter(s), *Student, ^sSupervisor)

5. Asamoah, J. K.^{+,*}, Aboah, A.^{s,+}. (2025). A Novel Methodological Framework for Assessing Traffic Sign Retroreflectivity Using Lidar Data. *104th Annual Meeting of the Transportation Research Board (TRB)*.
4. Denteh, E. K. O.^{+,*}, Aboah, A.^{s,+}. (2025). Integrating Travel Behavior Forecasting and Generative Modeling for Predicting Future Urban Mobility and Spatial Transformations. *10th International Conference of Big Data Analytics (ICBDA 2025)*.
3. Denteh, E. K. O.^{+,*}, Aboah, A.^{s,+}. (2025). Foundation Model for Pavement Defect Detection: A Big Data-Driven Approach to Robust Road Condition Monitoring. *10th International Conference of Big Data Analytics (ICBDA 2025)*.
2. Kyem, B. A.^{+,*}, Aboah, A.^{s,+}. (2025). PaveCap: The First Multimodal Framework for Comprehensive Pavement Condition Assessment with Dense Captioning and PCI Estimation. *104th Annual Meeting of the Transportation Research Board (TRB)*.
1. Tran, D. Q. ⁺, Aboah, A. ⁺, (2024). Low-Light Image Enhancement Framework for Improved Object Detection in Fisheye Lens Datasets. *In Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition*

Internal Seminars & Guest Lectures

(⁺presenter(s), *Student, ^sSupervisor)

4. Aboah, A. ⁺. (2025). Gave a guest lecture in CE 111 class on “*Transportation Engineering*”.
3. Aboah, A. ⁺. (2025). Gave a guest lecture in CE 111 class on “*Application of AI in Civil Engineering*”
2. Aboah, A. ⁺, (2025). Presented on the topic “*A double-edged sword: the dilemma of the dangers of AI*” at Graduate Seminar
1. Aboah, A. ⁺. (2024). Gave a guest lecture in CE 418 class on the topic “*Rethinking the future of transportation*”.

STUDENT ADVISING

HISTORY

Year	Undergraduate Students	Master's Students	Doctoral Students
2025	12	2	3
2024	6	0	2

MAJOR ADVISOR

	Student	Degree	Date of Graduation	Thesis/Dissertation title
5.	Andrews Danyo	MSc	Expected Sp 2026	TBD
4.	Twitchell Addai	MSc	Expected Sp 2026	TBD
3.	Blessing Agyei Kyem	Ph.D.	Expected Sp 2028	TBD
2.	Joshua Asamoah	Ph.D.	Expected Sp 2028	TBD
1.	Eugene Denteh	Ph.D.	Expected Fall 2028	TBD

EXAMINING COMMITTEE MEMBER

Students	Date of graduation	Degree	Department
Faisal Muhammad Habib	Spring 2024	Ph.D.	Civil, Construction, and Environmental Eng.
Millicent Berko	Summer 2025	MSc	Statistics
Baishali Rahman	TBD	Ph.D.	Transportation, logistics, & Finance
Samuel Ajayi	TBD	Ph.D.	Civil, Construction, and Environmental Eng.
Asad Ali	TBD	Ph.D.	Civil, Construction, and Environmental Eng.
Chauhan Hardik	TBD	Ph.D.	Civil, Construction, and Environmental Eng.
Frank Antwi Boasiakoh	TBD	Ph.D.	Education
Kwame Danso Fenteng	TBD	MSc	Statistics
Talha Ahmed	TBD	Ph.D.	Civil, Construction, and Environmental Eng.
Laxman Khanal	TBD	Ph.D.	Civil, Construction, and Environmental Eng.

TEACHING EXPERIENCE

Courses Teaching

CODE	NAME	EVAL	PERIOD
CE 454/654	Geometric Highway Design	4.79 / 5.0	Fall 2024
CE 418	Transportation Engineering	4.03 / 5.0	Spring 2025
CE 489	Senior Design	4.67 / 5.0	Spring 2025

New Course Development

CODE	NAME	EVAL	PERIOD
CE 499/696	Urban Transportation Planning		Spring 2026 (CourseLeaf Approved)

Courses Revived (Reactivated)

CODE	NAME	EVAL	PERIOD
CE 738	Deep Learning for Engineers		Fall 2026 (CourseLeaf approved)

Professional Development Activities Related to Teaching

May 2025	Teaching & Learning Conference 2025 by NDSU OTL
Aug 2025	Lilly Conferences on Evidence-based Teaching & Learning
Aug 2025	Faculty & Staff Academic Conference
Fall 2025	Participated in NDSU Peer Teaching Evaluation Program (Registered)-Track 2
Spring 2026	Participated in NDSU Peer Teaching Evaluation Program (Registered)-Track 1

Teaching Services / Activities

Spring 2024	Gave a guest lecture in CE 418 class on the topic “ <i>Rethinking the future of transportation</i> ”.
Fall 2025	Presented on the topic “ <i>A double-edged sword: the dilemma of the dangers of AI</i> ” at CIE 102
Fall 2025	I gave a guest lecture in the CE 111 class on “ <i>Transportation Engineering</i> ”.
Spring 2026	I gave a guest lecture in the CE 418 class on “ <i>Application of AI in Civil Engineering</i> ”

Breakdown of Student’s Evaluation

Course Number	Term	Title	Credits	Enrollment	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9
CE 454/654	F 24	Geometric Highway Design	3	29	4.73	4.45	4.82	4.82	4.82	4.82	4.55	4.82	4.73
CE 418	Sp 25	Transportation Engineering	4	52	3.82	3.64	4.05	4.23	4.05	4.00	3.73	4.09	3.82
CE 489	Sp 25	Senior Design	3	41	4.08	4.17	4.69	4.75	4.00	4.00	4.00	4.00	4.56

Notes: Q1. Instructor provided well-defined course objectives; Q2. Instructor provided clear & well-organized content, materials; Q3. I understood how my grades were assigned in this course; Q4. I met or exceeded the course objectives given for his course; Q5. Instructor was available to assist students outside of class; Q6. Instructor provided feedback to me in a timely manner; Q7. Instructor provided relevant feedback that helped me learn; Q8. Instructor set and maintained high standards; and Q9. The physical environment was conducive to learning.

SERVICE**DEPARTMENT SERVICE**

• CCEE Student Committee	2024-present
• CCEE Program Committee	2024-present
• Volunteered for Engineering Visit Day (Saturday Series)	Apr 2025
• CCEE High School outreach at Moorehead High school	Jan 2025
• CCEE High School outreach at Fargo North High school	Feb 2024
• CCEE High School outreach at Moorehead High school	Apr 2024
• CCEE High School outreach at Fargo South High school	May 2024
• Volunteered for Engineering Visit Day (Saturday Series)	Nov 2024

COLLEGE/UNIVERSITY SERVICE

• Grant Reviewer - Research and Creative Activity (RCA)	Jun 2024-Present
• COE Academic Board Committee Member	Aug 2024-Present
• Volunteered as Event Supervisor at the North Dakota State Science Olympiad (Regional level)	April 2025

PROFESSIONAL SERVICE

Journal Reviews

• Reviewer	Transportation Research Part C (TRC)	Apr 2025-Present
• Reviewer	Expert Systems with Applications	Apr 2025-Present
• Reviewer	ASCE Journal of Urban Planning and Development	Apr 2025-Present
• Reviewer	NeurIPS	Apr 2025-Present
• Reviewer	KDD	Mar 2025-Present
• Reviewer	IEEE/CVF CVPR	Apr 2024-Present
• Reviewer	Environmental Modelling and Software	Mar 2024-Present
• Reviewer	ASCE Journal of Transportation Engineering Part A	Aug 2022-Present
• Reviewer	Transportation Research Board	Jan 2020-Present
• Reviewer	Transportation Research Record	Jan 2020-Present
• Reviewer	IET Image Processing	Jan 2021-Present
• Reviewer	KDD	Mar 202-Present

Editorial Roles

• Guest Editor	Electronics (IF=2.6)	Jan 2025-Present
----------------	----------------------	------------------

Grant Reviews

• Reviewer-REU Panelist	National Science Foundation (NSF)	October 2025
-------------------------	-----------------------------------	--------------