

## Yuyan Wu

Ph.D. Student in Civil and Environmental Engineering, admitted Autumn 2022

### Publications

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#### PUBLICATIONS

- **4DRadarRBD: 4D mmWave radar-based road boundary detection in autonomous driving** *FRONTIERS IN SIGNAL PROCESSING*  
Wu, Y., Noh, H.  
2025; 5
- **A Survey of Autonomous Driving from a Deep Learning Perspective** *ACM COMPUTING SURVEYS*  
Zhao, J., Wu, Y., Deng, R., Xu, S., Gao, J., Burke, A.  
2025; 57 (10)
- **Modeling Foot-Floor Interactions during Walking for Normal and Abnormal Gaits** *JOURNAL OF ENGINEERING MECHANICS*  
Dong, Y., Wu, Y., Kim, S., Schadl, K., Rose, J., Noh, H.  
2025; 151 (1)
- **Poster Abstract: On-Shelf Weight Difference Estimation Through Active Vibration Sensing**  
Zhang, J., Wu, Y., Codling, J., Gersey, J., Bannis, A., Ruiz, C., Sun, K., Zhang, P., ACM  
ASSOC COMPUTING MACHINERY.2025: 52-53
- **Context-aware crowd monitoring for sports games using crowd-induced floor vibrations** *DATA-CENTRIC ENGINEERING*  
Dong, Y., Wu, Y., Chang, Y., Aggarwal, J., Codling, J. R., Latapie, H., Zhang, P., Noh, H.  
2024; 5
- **GameVibes: Vibration-based Crowd Monitoring for Sports Games through Audience-Game-Facility Association Modeling**  
Dong, Y., Wu, Y., Codling, J. R., Aggarwal, J., Huang, P., Ding, W., Latapie, H., Zhang, P., Noh, H., ACM  
ASSOC COMPUTING MACHINERY.2023: 177-188