

Lei Sun

Biographical Summary

Lei Sun is a technology leader, researcher, and dedicated education volunteer with more than 14 years of experience in software engineering, systems performance, and program management across academia and industry. She currently serves as Product Manager at Mercury Insurance, focusing on customer experience, benefits, and engagement strategies. She applies her leadership to scientific professional societies. At Sigma Xi, Lei Sun currently serves a three-year term as Associate Director for the Southeast Region.

Her career includes leadership roles in autonomous systems and sensing technologies. At Zitara Technologies, she advanced EV battery safety and longevity through predictive modeling; at TuSimple, she led deployment of autonomous vehicle sensor systems and developed scalable networking platforms. Earlier roles at video streaming service iQIYI and China Mobile strengthened her expertise in large-scale systems and user engagement. She received an M.S. in Computer Science from the Georgia Institute of Technology.

She also serves as San Diego Chapter Chair of the IEEE Vehicular Technology Society and as a technical console member of the IEEE Standards Association Autonomous Driving Group. Her service has been recognized with the IEEE San Diego Section Distinguished Service Award (2023 and 2024) and the International Journal of Computational Intelligence Systems Best Reviewer Award (2025).