Dr. WANG Bin

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Education

Dr. Wang received the B.E. degree (with honors) in Automotive Engineering and his M.S. degree in Automotive Engineering from Wuhan University of Technology, China in 2009 and 2011, respectively. As a Joint Ph.D. student, he studied in Car Center, Ohio State University, USA from 2012 to 2014, and received the Ph.D. degree(with honors) in Automotive Engineering from Wuhan University of Technology in 2014.

Industrial Experience

Dr. Wang started his industrial career at SAIC MOTOR Group(the largest Automotive Group in China) in 2015 and was early promoted to Manager of ADAS application software team in 2018 and then very early promoted to Head of ADAS Product and System Dept.in 2021. He led the ADAS system development and feature algorithm in SAIC, and the ADAS products developed by SAIC had been mass-produced on more than 100 thousand of ROEWE and MG brand vehicles.

In 2022, he left SAIC MOTOR and joined Shanghai BAOLONG Automotive Corporation as General Manager of R&D Center. Dr. Wang is in charge of the ADAS products development, including cameras, radars, and ADAS domain controllers,which makes over 100million in sale last year.

Academic Research

Dr. Wang has served as technical reviewer for the IEEE Transactions on Vehicular Technology, Journal of the Franklin Institute, SAE International, IET Intelligent Transport Systems and Journal of Automobile Engineering. Dr. Wang is the author or co-author of more than 25 peer-reviewed publications including 13 journal articles and 12 patents.

Recent Publications

1. Bin Wang, Junya Shang, Zhichao Liu. One novel system and strategy for emergency braking control level,CN114802231A,2021
2. Xiaomu Ding, Bin Wang, et al. One novel Target selection strategy for Cut In scenario.CN114084133A, 2020
3. Minggang Yan Fei Liu, et al. One novel strategy of preventing accidental accelerator pedal application. CN109305166A, 2019.
4. Bin Wang, Fang En et al. One novel Anti-lock system and corresponding control strategy, CN107303820A, 2017
5. Bin Wang, Yan Li et al., Angular speed estimation and fault diagnosis based on an adaptive high-order sliding-mode observer. Proc. IMechE. Part D: Journal of Automobile Engineering,2016
6. Bin Wang, Xuexun Guo, et al., A study of an electric parking brake system for emergency braking, International Journal of vehicle design, vol.67, No.4, 2015
7. Bin Wang, Xuexun Guo et al., Modeling and control of an integrated electric parking brake system. Journal of the Franklin Institute. vol.352, 2015
8. Bin Wang, Xiaoyu Huang, Junmin Wang et al. A robust wheel slip ratio control design combining hydraulic and regenerative braking systems for in-wheel-motors-driven EVs. Journal of the Franklin Institute, vol.352, 2015
9. Bin Wang, Xuexun Guo et al., Slide Mode Control for Integrated Electric Parking Brake System, Mathematical Problems in Engineering, vol. 2013