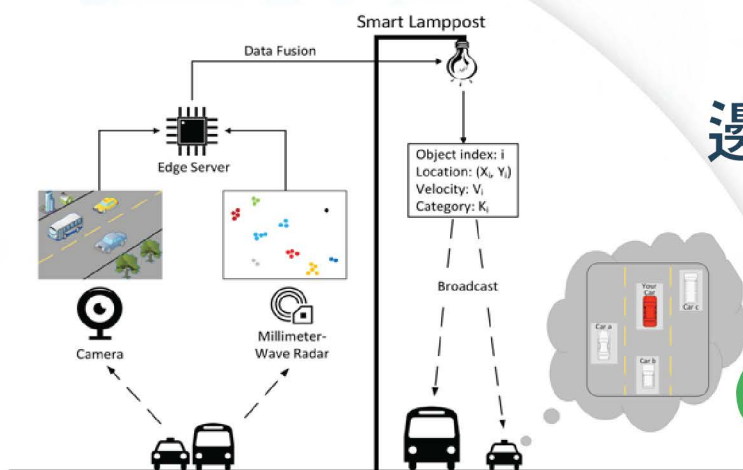


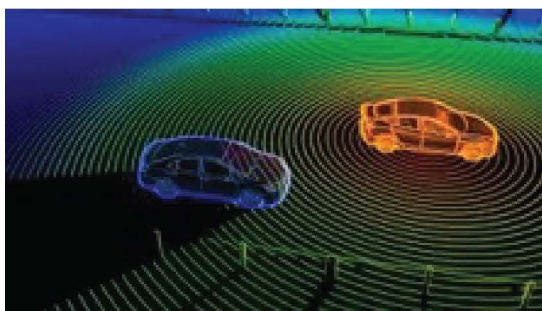


# EDGE AI TECHNOLOGIES FOR INFRASTRUCTURE-ASSISTED AUTONOMOUS DRIVING

用於基礎設施輔助  
自動駕駛的  
邊緣人工智能技術



博智 Centre for Perceptual and  
Interactive Intelligence  
感知交互研究中心



This technology can help to improve the safety of autonomous vehicles through intelligent roadside infrastructure. We have developed new Edge AI technologies for infrastructure-assisted autonomous driving, including real-time deep model inference, collaborative perception, and heterogeneous traffic sensor fusion. This technology has been validated through the smart lamppost testbed we deployed on The Chinese University of Hong Kong (CUHK) campus.

本人工智能技術，能應用於智能路邊基礎設施，以提高自動駕駛汽車的安全性。這一項「用於基礎設施輔助自動駕駛的邊緣人工智能技術」具體包括實時深度模型推理、協同感知，和與異構交通傳感器的融合。本技術已經通過實體驗證，透過於中大校園設置的智能燈柱試驗平台，獲得實際成果。



Video link for this technology  
相關技術影片連結

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