Cooperative Intelligent Transport Systems

Towards high-level automated driving

Intelligent Transport Systems (ITS) have been a domain of substantial development for more than thirty years, enhancing safety, (energy and fuel) efficiency, comfort, and economic growth. Cooperative Intelligent Transport Systems (C-ITS), also referred to as Connected Vehicles, are a prelude to, and pave the way towards road transport automation. Vehicle connectivity and information exchange will be an important asset for future highly-automated driving. The book provides a comprehensive insight in the state of the art of C-ITS and automated driving, especially addresses the important role of ICT (Information and Communication Technologies) infrastructure, and presents the main achievements (both theory and practice), as well as the challenges in the domain in Europe, the US and Asia/Pacific.

About the Editor

Dr. Meng Lu is Strategic Innovation Manager at Dynniq, NL. She has previously served as Program Manager International at Dutch Institute for Advanced Logistics, Visiting Professor at the National Laboratory for Automotive Safety and Energy, Tsinghua University, and Coordinator and Work Package Leader for EU-funded projects. Her positions and board memberships include: VP IEEE ITSS; Steering Committee Member, IEEE Future Networks - Enabling 5G and Beyond; VP IBEC (ITS Benefits Evaluation Community); and Editorial Board Member of IET ITS.

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