Machine Learning for Connected and Autonomous Vehicle for Mixed Traffic Environment

Guest Editors:

Dr. G. G. Md. Nawaz Ali
Department of Computer Science and Information Systems, Bradley University, Peoria, IL 61625, USA

Prof. Dr. Peter Han Joo Chong
Department of Electrical and Electronic Engineering, Auckland University of Technology (AUT), Auckland 1010, New Zealand

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Message from the Guest Editors

Dear Colleagues,

This Special Issue covers the following relevant areas (not an exhaustive list):

- Vehicle trajectory prediction;
- Driving behavior prediction;
- Safe and efficient longitudinal and lateral movements;
- Route planning in mixed traffic;
- Vehicle routing in mixed traffic;
- Reliable vehicular communications;
- Edge/fog-computing-assisted traffic management;
- Driving CAVs under legacy road and traffic situations;
- Vehicle clustering;
- Vehicle state estimation;
- CAV communication technologies (WiFi/DSRC/5G LTE/cognitive communications);
- Efficient ML (deep learning, reinforcement learning, etc.)-based CAV computation and architecture;
- Co-operative and distributed federated learning for CAVs;
- ML-assisted security and privacy in CAVs;
- Energy efficiency in mixed traffic.

Dr. G. G. Md. Nawaz Ali
Prof. Dr. Peter Chong
Guest Editors

Special Issue

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

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