



Traffic Infrastructure Sustainability in Autonomous Driving and Smart Pavement Environments

Guest Editors:

Dr. Young-Ji Byon

Department of Civil Infrastructure
and Environmental Engineering,
Khalifa University of Science and
Technology, Abu Dhabi 127788,
UAE

Dr. Feng Chen

Key Laboratory of Infrastructure
Durability and Operation Safety
in Airfield of CAAC, College of
Transportation Engineering,
Tongji University, Shanghai 1239,
China

Prof. Dr. Meng Guo

The Key Laboratory of Urban
Security and Disaster Engineering
of Ministry of Education, Beijing
University of Technology, Beijing
100124, China

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Message from the Guest Editors

The topics of this Special Issue include, but are not limited to:

- Durable pavement structure design for autonomous driving;
- Smart road planning and design;
- Transportation policies for infrastructure sustainability or smart roads;
- Self-diagnosis or self-healing of pavement damage;
- Energy harvesting pavement;
- Sensor system based on smart roads;
- Big data analysis based on smart roads;
- Vehicle trajectory perception and prediction based on smart roads;
- Life-cycle assessment of smart roads;
- Finite element simulation of pavement service life under autonomous trucks;
- Simulation models of mixed traffic flow (autonomous driving and manual driving);
- Facility sustainability and optimal design under a mixed traffic environment;
- Urban planning strategies for maintaining sustainability under a mixed traffic flow environment;
- Environment friendly pavement materials and structures;
- Aging and recycling of pavement materials.



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Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

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Sustainability Editorial Office
MDPI, St. Alban-Anlage 66
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