Special Issue

Road Traffic and Pavement Engineering toward Sustainable Development

Message from the Guest Editors

With the growing concern about climate change, major efforts are being introduced in all fields that produce greenhouse gases (GHG). In the field of road transportation, efforts are oriented to develop two main areas: sustainable roads and efficient road transportation.

With regard to sustainable roads, research is focused on the production of new long-lasting materials in pavement construction, introduction of more sustainable materials (as a result of introducing waste materials, for example), better management of pavements and maintenance and rehabilitation techniques, etc. The development of energy-harvesting pavements is another way of creating greener road infrastructures.

On the other hand, efficient road transportation of passenger and freight aims to implement road traffic policies as well as innovative mobility services and solutions aiming to reduce pollution and, at the same time, support the present road transportation demands. This objective can be developed by means of any of the smart and emerging technologies (shared mobility, cooperative driving), intelligent transportation systems (ITS), digitalization, new policies, model simulation, use of big data, etc.

Guest Editors

Prof. Dr. Hernán Gonzalo-Orden

Department of Civil Engineering, University of Burgos, 09001 Burgos, Spain

Dr. Heriberto Pérez-Acebo

Mechanical Engineering Department, Faculty of Engineering of Bilbao, University of the Basque Country UPV/EHU, P° Rafael Moreno "Pitxitxi", 2, 48013 Bilbao, Spain

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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

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