

Special Issue

Sustainable and Intelligent Transportation System in Tunnel System

Message from the Guest Editors

Within transportation sciences, great emphasis is placed on transport infrastructure itself. Its usage, efficiency, and control over traffic flow could be improved by using technological equipment and advanced systems known as transport telematics or intelligent transportation systems. One of the essential parts of transport infrastructure is tunnels, which are often the key transport route, because of terrain, absence of alternatives, transit in the cities, etc. However, tunnels require more attention from safety, reliability, security, efficiency and sustainability. Due to complexity of tunnels, many technological equipment and implemented systems could be discussed, such as traffic control, usage of variable message signs, ventilation, lighting, positioning methods, detection of traffic or unexpected events, energy consumption, etc. These systems are high cost in terms of operation and maintenance, which is as important as the development of new systems. Thus, research papers, experimental studies, testing results and new approaches in the field of sustainable tunnel systems are welcomed in this Special Issue. Dr. Rastislav Pirník

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