

# Special Issue

## Safer Roads Ahead: Exploring the Latest Innovations and Advancements in Road Design and Safety Technology

### Message from the Guest Editors

Safe road design is crucial for preventing crashes and supporting evolving transportation technologies. As urbanization grows and new mobility solutions emerge, rethinking traditional designs to meet future demands is essential. Innovations like smart infrastructure, adaptive road systems, and safety features for vulnerable road users (VRUs) can enhance transportation network resilience. Road design should also consider environmental factors, human behavior, and the integration of advanced technologies for safer, more efficient roads. With the rise of connected and autonomous vehicles (CAVs), road designs must adapt to new traffic patterns and technological advancements to better protect all users. This proactive approach is key to improving road safety and preparing for future challenges. This Special Issue presents cutting-edge research on innovations in road design and safety technology, focused on creating safer, more efficient, and resilient road systems for the future.

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