



Future Prospects in Sustainable Engineering Development for Transport Infrastructures and Systems

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Message from the Guest Editors

Dear Colleagues,

Sustainable Engineering Development for Transport Infrastructures and Systems describes transport infrastructures design and maintenance, and systems of transport planning and operations, which are consistent with wider concerns of sustainability, and sustainable transportation system. The European Union Council of Ministers of Transport defines a sustainable transportation system as one that:

- Allows the basic access and development needs of individuals, companies and society to be met safely and in a manner consistent with human and ecosystem health, and promotes equity within and between successive generations.
- Is affordable, operates fairly and efficiently, offers a choice of transport mode, and supports a competitive economy.
- Limits emissions and waste within the planet's ability to absorb them, uses renewable resources at or below their rates of generation, and uses non-renewable resources at or below the rates of development of renewable substitutes.
- Sustainability extends beyond just the operating efficiency and emissions. A life-cycle assessment involves production, use and post-use considerations.





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