

ANNOUNCING A NEW JOURNAL

The International Journal of

TRANSPORT

DEVELOPMENT
AND INTEGRATION



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OBJECTIVES

The International Journal on Transport Development and Integration covers all transportation modes and the general topic of transport systems, with particular emphasis on their integration and harmonisation.

The continuous requirements for better transportation systems, and the need for a healthier environment are topics covered by this Journal.

The Journal addresses the areas of urban and road transportation, maritime and fluvial transport, rail and aviation, and topics related to logistics, optimisation and complex systems, amongst others. The growing need for integration is partly to respond to the many advances that are taking place in transportation and in order to achieve better uses of all systems, with the subsequent gains in energy efficiency. There is also the need for integration of transportation with telecommunications systems and IT in order to improve safety, security and efficiency.


The Journal aims to report on advanced railways transport modes, including passenger, freight and transit systems. It welcomes contributions in the field of marine and fluvial transport, taking into consideration the substantial growth in marine shipping and cruise ships all over the world. Fluvial, canal and lake transportation are now becoming a new area of interest after a long period of decline. The Journal also covers papers resulting from the rapid growth in air freight and passenger transportation, together with the need to develop the required airport facilities. The site of new airports, in particular, involves taking into consideration environmental, ecological, social and economic factors.

Transportation is one of the largest consumers of energy, particularly hydrocarbons, and has a considerable share of the economics of governments, industry and households. All major transportation links, including railway stations, airports, ports and freight terminals, can be powerful driving forces behind the development of a region and conversely they can result in major problems if they are wrongly sited and not properly integrated in the general transportation system of the area. As the world continues to develop towards a global economy, the importance of transportation grows and consequently the need to find new solutions.

The variety of topics covered by the Journal reflects the complex interaction of transportation systems and the environment, and the need to establish integrated strategies. The aim is to arrive at optimal socio-economic solutions while reducing the negative environmental impact of current transportation systems.

TOPICS

- Transport strategies
- Urban transport planning and management
- Public transport systems
- Environmental aspects
- Economic and social impact
- Safety and security
- Travel behaviour studies
- Customer satisfaction
- Transportation modelling and simulation
- Infrastructure development
- Intelligent and advanced transport systems
- Multimode transport
- Seamless transportation
- Critical comparisons
- Resilience and inter-modal transport systems
- Mass transport strategies
- Freight transport
- Transport governance and administration
- Port and city
- Mobility and public space
- Land use and transport integration
- Timetable planning
- Operations quality
- Risk management
- Demand modelling
- Transport logistics
- Monitoring and maintenance
- Energy supply and consumption
- Communications and signalling
- Rescheduling
- Safety and security
- Railway vehicle dynamics
- Driverless and automatic vehicle operation
- Underground systems
- Trams and trolley buses
- Education, training and knowledge dissemination
- Ship and port operations
- Regional airports
- Air transportation
- Airport sites
- Air traffic
- Airport systems
- Airport airline and access mode choices
- Capacity constraints
- Air cargo
- Air transportation and the environment
- Complex Systems in Transportation



Wessex Institute of Technology

Located amid the beautiful New Forest National Park in England, Wessex Institute of Technology (usually referred to as just Wessex Institute or WIT) is a unique organisation serving the international scientific community.

The overall aim of Wessex Institute is to develop a series of knowledge transfer mechanisms, particularly directed towards the exchange of information between academics and professional users within industry.

This is achieved through a range of activities organised by a dedicated team of staff both within the Institute and its associate companies. A large network of prestigious contacts and links have been established with many organisations throughout the world.

Publishing: WIT Press is the publishing arm of the Institute, which produces numerous scientific books, monographs, journals and edited works as well as the proceedings from the Institute's conference programme. This includes publication in digital as well as paper format.



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