ICT for Transport: Opportunities and Threats (NECTAR Series on Transportation and Communications Networks Research)

Nikolas Thomopoulos, Moshe Givoni, Piet Rietveld

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'This wide-ranging volume offers a balanced look at the benefits as well as the caveats associated with various ICT applications in transport. Addressing transport demand and supply as well as policies affecting both, and combining specific case studies with general conceptualizations, the book makes an important contribution to our understanding - and best deployment - of this complex constellation of relationships between ICT and travel. It will be of great value to researchers and practitioners alike.'
- Patricia Mokhtarian, Georgia Institute of Technology, US

'Transport is the testbed for many innovations in ICT and this book captures the essence of this fast moving and topical debate. It covers the behavioural implications, the potential impacts on sustainable transport, and the broader public policy issues. The approach is authoritative, matching the technological optimism with more pragmatic realism, and the contributors are smart in stressing both the opportunities and the need to limit the risks, as sustainable transport depends on all systems both societal and technological working together in harmony.'
- David Banister, University of Oxford, UK

'Again a nice collection of papers from the highly productive NECTAR network! ICT increasingly influences the transport system. This timely book focuses on the relevance of ICT for sustainable transport. Most papers present empirical evidence of impacts of several ICTs based on surveys. The book also discusses the impact of ICT on travel behaviour and user requirements more generally, as well as planning and policy implications, including risks, implementation barriers and ethical issues. A must for researchers, policy makers and planners dealing with the potential contribution of ICT to make society more sustainable!'
- Bert van Wee, Delft University of Technology, the Netherlands

As the importance and value of information increases, Information and Communication Technology (ICT) is rapidly evolving and taking centre stage in everyday life in the 21st century. This is particularly evident in the transport sector, where ICT is greatly influencing our mobility and travel choices as well as travel experience. In this context, *ICT for Transport* examines the opportunities, threats, underlying principles and practical issues faced when deploying ICT for transport applications, especially in the quest to achieve sustainable transport.

Focusing on infrastructure, people and processes, the contributors to this book use diverse case studies from around the world to illustrate the challenges faced by academics, practitioners and policy makers alike. The contents and bibliography provide up-to-date knowledge and expertise drawn from state of the art research in Europe, America, Asia and Africa.

ICT for Transport is a valuable source of information for those aiming to be at the forefront of the evolving field of ICT for transport. This analysis of the various threats and opportunities will assist them in making more informed decisions about the future use of ICT for transport and for the benefit of society.

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