

Call for Papers – Edited Volume

THE EVOLVING IMPACT OF ICT ON ACTIVITIES AND TRAVEL BEHAVIOR Elsevier book series “Advances in Transport Policy and Planning”

Volume Editor – Eran Ben-Elia
Series Editor – Bert van Wee

Motivation

Information and Communication and Technologies (ICT) have spread considerably in recent years transforming the ways people live their everyday lives, plan, schedule and take part in activities and move around. People are now connected remotely via smart mobile devices and high-speed Internet to almost anyone, anytime and anywhere. Pervasive technologies and ubiquitous computing are now supporting a myriad of new ICT enabled services to society. People connect through social networks traversing spatiotemporal gaps and allowing real-time coordination of daily activities for personal or business purposes and emerging forms of mobility such as car sharing, ridesharing and multimodality. Soon Autonomous vehicles will form part of this persistent network through vehicle-to-vehicle and infrastructure-to-vehicle ICT architectures and the Internet-of-Things. These innovations raise new uncharted questions on the choices between physical and virtual participation in activities, the time spent in digital co-presence, and associated travel choices and behaviors. Moreover, ICT is generating large amounts of data (Big Data) on activity and travel patterns through passive and active collection sources such as smartcards, mobile phone CDRs as well as smartphone apps, and new methods are needed to analyze and understand their add value for improving transport policy and planning.

We are especially interested in receiving **in-depth review articles on emerging and contemporary topics and important research areas**. The reviews should be original and non-published scientific manuscripts that will be peer-reviewed before inclusion in the edited volume, and contributing (non-exhaustively) to:

- Theoretical, conceptual, methodological, and/or empirical advances on the relationships between ICT and travel behaviour, activity participation and or time use.
- Models on ICT induced trade-offs between mobility, activities and time, spent in between physical and virtual spaces
- Methodologies to collect, mine and analyze activity/travel data from active and/or passive ICT sources including social media, smartcards, mobile phone CDRs, apps etc.
- New forms of ICT-generated mobilities such as bike-sharing, car-sharing, ridesharing, multimodality and autonomous vehicles.
- Simulations, including of composite ICT induced activity and travel behavior patterns

All original contributions must also include a positive statement on their relevance for improving transport planning and policy practices. We also explicitly welcome contributions from non-OECD countries (developing and transition economies)

Schedule

Tentative chapter title and 500 word Abstract: April 1, 2018

Notification of acceptance or rejection: June 1, 2018

Submission of tentative table-of-contents to publisher: August 1, 2018

Submission of full chapters for peer-review: Feb 1, 2019

Completion of reviews: May 1, 2019

Final acceptance and production ready chapters submitted to publisher: June 1, 2019

Contact and further information

Eran Ben-Elia, Ben-Gurion University of the Negev, Israel - benelia@bgu.ac.il