



Edited books

- *Edited book 1: ICT Social Networks and Travel Behaviour in Urban Environments*
- *Edited book 2: Social Media and Big Data in Transport Analysis and Planning*

These books are a direct result from the Action's network collaboration, it is a product of the work of members and contributors in COST Action TU1305 and will enrich the knowledge in these fields. It is focused on the challenges related to the question of how we can synchronize social networks activities, transport means, intelligent communication/information technologies and urban form. There is a lack of common ground, conceptual frameworks and research methodologies to cope with this new field of inquiry. At this stage the relevant academic/research community is in need of consolidation of existing approaches, discussion in depth of theoretical and methodological issues, an exploration of practical applications, and the formulation of a research and policy agenda.

The books present state-of-the-art knowledge, cutting edge research results and new perspectives. It integrates methods from three disciplines including social networks analysis, travel behaviour analysis and urban analysis. Each has their own theories, methodologies, and tools. They built up upon previous research traditions and were developed in parallel to one another. The books go beyond the current literature by providing a platform for a broad scope of discussion regarding ICT social networks and travel in urban space and, more importantly, by encouraging multidisciplinary fusion among these diverse disciplines.

Edited book 1 is due to be published in Routledge mid-2019, see below list of chapters. Edited book 2 is in evaluation process.

Edited book 1: ICT Social Networks and Travel Behaviour in Urban Environments

Part I: ICT Social Networks and Travel Behaviour - Theory and Practice

1. Social networks theory: definitions and practice from various disciplines

Co-authors: Marija Mitrović Dankulov^a, María del Mar Alonso Almeida^b, Fariya Sharmeen^c and Agnieszka Lukasiewicz^d

2. How to define Social Network in the context of mobilities?

Co-authors: Bridgette Wessels, Sven Kesselring, Pnina Plaut

3. *Opinion dynamics model and complex networks*

Co-authors: Silvana Stefani, Candelaria Gil Farina, Marija Mitrović Dankulov

4. *Social Media and Travel Behaviour*

Co-authors: Emmanouil Chaniotakis^{a,b}, Wiebke Unbehau^c, Constantinos Antoniou^b, Loukas Dimitriou^d

5. *Connecting spatial mobility and social networks: methodological challenges of using mobile phone data*

Co-authors: Rein Ahas, Anniki Puura

6. *On the Relative Importance of Social Influence in Transport-Related Choice Behavior: Empirical Evidence from Three Stated Choice Experiments*

Co-authors: Bilin Han, Jinhee Kim, Soora Rasouli and Harry Timmermans

7. *Organising travel activities through social network media: Insight from a qualitative study of urban dwellers*

Co-authors: Tom Julsrud and Matthew Hanchard

8. *Social network and travel behaviour - Research challenges*

Co-authors: Odette Lewis and Domokos Esztergár-Kiss

Part II : The Urban Perspective of ICT Social Networks and Travel Behaviour

9. *A typology of urban analysis models: disciplines and levels*

Co-authors: C. Antoniou, I. , D. Shach-Pinsly, S. Gasparovic and F. Sprumont

10. *How travel behavior and social networks interact with the urban environment, a review.*

Co-authors: Joao ABREU, Giannis ADAMOS, Domokos ESZTERGAR-KISS, Jasna Mariotti, Maria TSAMI and Mario Cools.

11. *Rethinking the city? Conceptualizing cities in dialogue with new social media and modes of travel*

Co-authors: Antònia Casellas, Itzhak Omer and Karel Schmeidler

12. *Revisiting urban models with ICT data: The example of Brussels*

Co-authors: Arnaud Adam¹, Adeline Decuyper¹, Gaetan Montero¹, Isabelle Thomas¹, Ann Verhetsel² (by alphabetical order. Order to be determined later.)

13. *The evolution of natural cities from the perspective of location-based social media*

Co-authors: Bin Jiang and Yufan Miao

14. *Prolog*

Author: Anne Vernez- Moudon