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	Collana	Human Dynamics in Smart Cities, , 2523-7780
	Disciplina	307.760112
	Soggetti	Human geography
		Urban geography
		Application software
		Human Geography
		Urban Geography / Urbanism (inc. megacities, cities, towns)
		Computer Appl. in Social and Behavioral Sciences
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references at the end of each chapters.
	Nota di contenuto	Chapter 1. Introduction: Human Dynamics in Perspective (Shih-Lung Shaw) -- Chapter 2. Utilizing Geo-Located Sensors and Social Media for Studying Population Dynamics and Land Classification (Gautam Thakur) -- Chapter 3. Uncovering the Relationships between Phone Communication Activities and Spatiotemporal Distribution of Mobile Phone Users (Yang Xu) -- Chapter 4. Spatiotemporal-Network Visualization for Exploring Human Movements and Interactions in Physical and Virtual Spaces (Song Gao) -- Chapter 5. Modeling Mobility and Dynamics of Scheduled Space-time Activities - an RDF Approach (Junchuan Fan) -- Chapter 6. Smart Sensors, Cyborgs, and Cybernetics: A Critical Reading of Smart City Technologies (Chen Xu) -- Chapter 7. A Location-Based Client-Server Framework for Assessing Personal Exposure to the Transmission Risks of Contagious Diseases (Tzai-Hung Wen) -- Chapter 8. An Exploratory Analysis of the Effects of Spatial and Temporal Scale and Transportation Mode on Anonymity in Human Mobility Trajectories (Jennifer A. Miller) -- Chapter 9. Uncovering Geo-Social Semantics from the Twitter Mention Network: An Integrated

Approach Using Spatial Network Smoothing and Topic Modeling (Caglar Koylu) -- Chapter 10. Grouping People in Cities: From Space-Time to Place-Time Based Profiling (Tao Cheng) -- Chapter 11. Open Source Social Network Simulator Focusing on Spatial Meme Diffusion (Xinyue Ye) -- Chapter 12. The Challenges and Opportunities with Social Media and Big Data for Research in Human Dynamics (Atsushi Nara) -- Chapter 13. Outlook and Next Steps: From Human Dynamics to Smart and Connected Communities (Daniel Sui).

Sommario/riassunto	This book addresses how accelerating advances in information and communication technology, mobile technology, and location-aware technology have fundamentally changed the ways how social, political, economic and transportation systems work in today's globally connected world. It delivers on many exciting research questions related to human dynamics at both disaggregate and aggregate levels that attract the attention of researchers from a wide range of disciplines. Human Dynamics Research involves theoretical perspectives, space-time analytics, modeling human dynamics, urban analytics, social media and big data, travel dynamics, privacy issues, development of smart cities, and problems and prospects of human dynamics research. This book includes contributions on theoretical, technical, or application aspects of human dynamics research from different disciplines. Appealing to researchers, scholars and students across a wide range of topics and disciplines including: urban studies, space-time, mobility and the internet, social media, big data, behavioral geography and spatiotemporal-network visualization, this book offers a glimpse at the cutting edge of research on human dynamics.