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Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 10051
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Soggetti	Artificial intelligence Software engineering Computer networks Application software Computer programming Computer simulation Artificial Intelligence Software Engineering Computer Communication Networks Computer and Information Systems Applications Programming Techniques Computer Modelling
Lingua di pubblicazione	Inglese
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Note generali	Includes index.
Nota di contenuto	Urban Systems Modelling -- Towards an Agent-Based Simulation of Housing in Urban Beirut -- Simulating Urban Growth with Raster and Vector models: A case study for the city of Can Tho, Vietnam -- Integrating Behavior and Microsimulation Models -- Agent-Based Modelling for Urban Planning Current Limitations and Future Trends -- Traffic Simulation in Urban Modelling -- Software Architecture for a Transparent and Versatile Traffic Simulation -- A Generic Software

Framework for Carsharing Modelling based on a Large-Scale Multi-Agent Traffic Simulation Platform -- Mapping bicycling patterns with an agent-based model, census and crowdsourced data -- Transportation in Agent-Based Urban Modelling -- Applications -- Simulation-aided Crowd Management: a Multi-scale Model for an Urban Case Study -- A National Heat Demand Model for Germany -- How Smart is the Smart City? Assessing the Impact of ICT on Cities.

Sommario/riassunto

This book constitutes revised, selected, and invited papers from the First International Workshop on Agent Based Modelling of Urban Systems, ABMUS 2016, held in conjunction with AAMAS 2016 in Singapore in May 2016. The 11 papers presented in this volume were carefully reviewed and selected from 20 submissions. They were organized in topical sections named: urban systems modeling; traffic simulation in urban modeling; and applications. .
