
Contents

Geocomputation and Urban Planning <i>Beniamino Murgante, Giuseppe Borruso, Alessandra Lapucci</i>	1
Detection of Urban Socio-economic Patterns Using Clustering Techniques <i>Devis Tuia, Christian Kaiser, Antonio Da Cunha, Mikhail Kanevski</i>	19
A Tale of Two Cities: Density Analysis of CBD on Two Midsize Urban Areas in Northeastern Italy <i>Giuseppe Borruso, Andrea Porceddu</i>	37
Identification of “Hot Spots” of Social and Housing Difficulty in Urban Areas: Scan Statistics for Housing Market and Urban Planning Policies <i>Silvestro Montrone, Paola Perchinunno, Antonia Di Giuro, Francesco Rotondo, Carmelo Maria Torre</i>	57
The Town at the End of the Town: Integration and Segregation in Suburbia <i>Valerio Cutini</i>	79
Planning Evacuation by Means of a Multi-modal Mesoscopic Dynamic Traffic Simulation Model <i>Massimo Di Gangi</i>	99
Improving Moran’s Index to Identify Hot Spots in Traffic Safety <i>Elke Moons, Tom Brijs, Geert Wets</i>	117
Visual Impact Assessment in Urban Planning <i>Maria Danese, Gabriele Nolè, Beniamino Murgante</i>	133

Urban Roughness Parameters Calculation in the City of Rome by Applying Analytical and Simplified Formulations: Comparison of Results <i>Maria Ioannilli, Enrico Rocchi</i>	147
An Object-Oriented Model for the Sustainable Management of Evolving Spatio-temporal Information <i>Christine Plumejeaud, Bogdan Moisuc, Sandro Bimonte, Marlène Villanova, Jérôme Gensel</i>	167
GIS and LIDAR Data Analysis for the Integration of Multidimensional Indicators on Urban Morphogenesis Multi-agent Vector Based Geosimulation <i>Cláudio Carneiro, François Golay, Vitor Silva, Corinne Plazanet, Jong-Jin Park</i>	187
Urban Pattern Morphology Time Variation in Southern Italy by Using Landsat Imagery <i>Luciano Telesca, Rosa Coluzzi, Rosa Lasaponara</i>	209
Predicting the Urban Spread Using Spatio-morphological Models <i>Christine Voiron-Canicio</i>	223
A Multi-Agent Geosimulation Infrastructure for Planning <i>Ivan Blecic, Arnaldo Cecchini, Giuseppe A. Trunfio</i>	237
A Participative Multi Agent System for Urban Sustainable Mobility <i>Alessandra Lapucci, Silvana Lombardo, Massimiliano Petri, Marco Rotonda</i>	255
Author Index	281