

1. Record Nr.	UNINA9910824030303321
Titolo	GeoComputation // edited by Robert J. Abrahart, Linda M. See
Pubbl/distr/stampa	Boca Raton, FL : , : CRC Press, , [2014] ©2014
ISBN	0-429-18486-7 1-138-07725-9 1-4665-0328-9
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (470 p.)
Classificazione	TEC036000
Disciplina	910.285
Soggetti	Information storage and retrieval systems - Geography Geographic information systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Front Cover; Contents; Foreword; Preface by Robert J. Abrahart; Preface by Linda See; Editors; Contributors; MATLAB Statement; Chapter 1: GeoComputation; Chapter 2: Modelling Spatial Morphologies : Fractal Patterns from Cellular Automata; Chapter 3: Parallel Computing in Geography; Chapter 4: The Evolving GeoWeb; Chapter 5: Geovisualisation as an Analytical Toolbox for Discovery; Chapter 6: GeoComputation : Applications in Biology; Chapter 7: Evolutionary Algorithms; Chapter 8: Genetic Programming : Magic Bullet, Poisoned Chalice or Two-Headed Monster?; Chapter 9: Agent-Based Modelling Chapter 10: E-Research and GeoComputationChapter 11: Expert Systems for Planning and Spatial Decision Support; Chapter 12: Fuzzy Modelling; Chapter 13: Neurocomputing for GeoComputation; Chapter 14: GeoComputation and Open-Source Software : Components and Software Component Stacks; Chapter 15: Location-Based GeoComputation : Strategic Rethinking of the Opportunities for Outdoor Research Afforded by Mobile Devices; Chapter 16: Ubiquitous Computing, Spatial Big Data and Open GeoComputation; Chapter 17: Embedded GeoComputation : Publishing Text, Data and Software in a Reproducible Form Chapter 18: Limits to GeoComputationChapter 19: GeoComputation in

Sommario/riassunto

This newly updated edition covers cutting-edge topics in computational geography, addressing a domain in both geographic and computer sciences. With an extended introduction that reviews directional changes and major advances in the field since the first edition, this book includes ten new topics as well as substantial modifications to existing chapters. Written by recognized international experts and up-and-coming researchers, the text introduces the subject matter by providing readable accounts of current developments. In addition, the authors examine possibilities for future developments through the year 2061--