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Nota di contenuto	Front matter -- DEDICATION -- IN MEMORIAM -- Contents -- Acknowledgements -- Contributors -- Introduction -- Introduction -- 1. The Concept of a Tourist Area Cycle of Evolution: Implications for Management of Resources -- 2. The Origins of the Tourism Area Life Cycle -- 3. The Application of the TALC Model: A Literature Survey -- 4. Evolution of Tourism Areas and the Tourism Industry -- Introduction -- 5. Lancaster County, the TALC, and the Search for Sustainable Tourism -- 6. An Empirical Interpretation of the TALC: Tourist Product Life Cycles in the Eastern Townships of Quebec -- 7. The TALC in China's Tourism Planning: Case Study of Danxia Mountain, Guangdong Province, PRC -- Introduction -- 8. The TALC Model and its Application to National Parks: A Canadian Example -- 9. A Re-foundation of the TALC for Heritage Cities -- 10. The TALC and Heritage Sites -- Introduction -- 11. The 'Plantation' Variant of the TALC in the Small-island Caribbean -- 12. Shoring the Foundations of the TALC in Tropical Island Destinations: Kona, Hawai'i -- 13. Residents' Perceptions of Tourism Development Over the Early Stages of the TALC -- 14. The TALC Model and Politics -- 15. Seeking Sustainable Tourism

in Northern Thailand: The Dynamics of the TALC -- Introduction -- 16. The Modification of the Tourism Area Life Cycle Model for (Re)inventing a Destination: The Case of the Opatija Riviera, Croatia -- 17. The Rejuvenation of Atlantic City: The Resort Cycle Recycles -- 18. Rejuvenating a Maturing Tourist Destination: The Case of the Gold Coast, Australia -- Introduction -- 19. The King Is Dead. Long Live the Product: Elvis, Authenticity, Sustainability and the Product Life Cycle -- References

**Sommario/riassunto**

This volume contains specially commissioned chapters by leading researchers who have used and modified the original TALC model over the past two decades, a reprint of the original article, a discussion of its origins, and a comprehensive review of most of the published material using the TALC. The book is divided into four sections, the foundations of the TALC, the TALC in heritage settings, local involvement and the TALC, and the TALC and rejuvenation. The concluding chapter discusses the relevance of the model to both sustainability and the late Elvis Presley.

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**Titolo**

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Handbook of applied algorithms : solving scientific, engineering and practical problems / / edited by Amiya Nayak, Ivan Stojmenovic

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Nota di contenuto

Preface -- Abstracts -- Contributors -- 1. Generating All and Random Instances of A combinatorial Object (Ivan Stojmenovic) -- 2. Backtracking and Isomorph-Free Generation of Polyhexes (Lucia Moura and Ivan Stojmenovic) -- 3. Graph Theoretic Models in Chemistry and Molecular Biology (Debra Knisley and Jeff Knisley) -- 4. Algorithmic Methods for the Analysis of Gene Expression Data (Hongbo Xie, Uros Midic, Slobodan Vucetic, and Zoran Obradovic) -- 5. Algorithms of Reaction-Diffusion Computing (Andrew Adamatzky) -- 6. Data Mining Algorithms I: Clustering (Dan A. Simovici) -- 7. Data Mining Algorithms II: Frequent Item Sets (Dan A. Simovici) -- 8. Algorithms for Data Streams (Camil Demetrescu and Irene Finocchi) -- 9. Applying Evolutionary Algorithms to Solve the Automatic Frequency Planning Problem (Francisco Luna, Enrique Alba, Antonio J. Nero, Patrick Nauru, and Salvador Pedraza) -- 10. Algorithmic Game Theory and Applications (Marios Mavronikolas, Vicky Papdopoulou, and Paul Spirakis) -- 11. Algorithms for Real-Time Object Detection in Images (Milos Stojmenovic) -- 12. 2D Shape Measures for Computer Vision (Paul L. Rosin and Jovisa Zunic) -- 13. Cryptographic Algorithms (Bimal Roy and Amiya Nayak) -- 14. Secure Communication in Distributed Sensor Networks (DSN) (Subhamoy Maitra and Bimal Roy) -- 15. Localized Topology Control Algorithms for Ad Hoc and Sensor Networks (Hannes Frey and David Simplot-Ryl) -- 16. A Novel Admission Control for Multimedia LEO Satellite Networks (Syed R. Rizvi, Stephan Olariu, and Mona E. Rizvi) -- 17. Resilient Recursive Routing in Communication Networks (Costas C. Constantinou, Alexander S. Stepanenko, Theodoros N. Arvanitis, Kevin J. Baughan, and Bin Liu) -- 18. Routing Algorithms on WDM Optical Networks (Qian-Ping Gu) -- Index.

Sommario/riassunto

Discover the benefits of applying algorithms to solve scientific, engineering, and practical problems. Providing a combination of theory, algorithms, and simulations, *Handbook of Applied Algorithms* presents an all-encompassing treatment of applying algorithms and discrete mathematics to practical problems in "hot" application areas, such as computational biology, computational chemistry, wireless networks, and computer vision. In eighteen self-contained chapters, this timely book explores:

- \* Localized algorithms that can be used in topology control for wireless ad-hoc or sensor networks
- \* Bioinformatics algorithms for analyzing data
- \* Clustering algorithms and identification of association rules in data mining
- \* Applications of combinatorial algorithms and graph theory in chemistry and molecular biology
- \* Optimizing the frequency planning of a GSM network using evolutionary algorithms
- \* Algorithmic solutions and advances achieved through game theory

Complete with exercises for readers to measure their comprehension of the material presented, *Handbook of Applied Algorithms* is a much-needed resource for researchers, practitioners, and students within computer science, life science, and engineering. Amiya Nayak, PhD, has over seventeen years of industrial experience and is Full Professor at the School of Information Technology and Engineering at the University of Ottawa, Canada. He is on the editorial board of several journals. Dr. Nayak's research interests are in the areas of fault tolerance, distributed systems/algorithms, and mobile ad-hoc networks. Ivan Stojmenovic, PhD, is Professor at the University of Ottawa, Canada ([www.site.uottawa.ca/~ivan](http://www.site.uottawa.ca/~ivan)), and Chair Professor of Applied Computing at the University of Birmingham, United Kingdom. Dr. Stojmenovic received the Royal Society Wolfson Research Merit Award. His current research interests are mostly in the design and analysis of algorithms for wireless ad-hoc and sensor networks.

