



# Green Technologies

## A Collection of 19 Scholarly Titles

How to best preserve the environment and conserve natural resources is a topic of concern for both current and future generations. The study of environmental and green technologies has increased dramatically as more individuals and organizations begin to recognize the importance of sustainability and emphasize the need to “go green.”

The **Green Technologies** collection is a specialized reference collection which supports research in the field of green technology. This premier package includes 19 scholarly titles focusing on environmental technologies, environmental engineering, sustainable development, and geoinformatics. These titles represent IGI Global's unique coverage of the impact and effective use of technology within the area of green technology.



### Three Convenient Purchasing Options:

**Print:** \$1,990

**Regular List Price:** \$3,310

978-1-60960-727-2

**E-Book:**\* \$2,930

**Regular List Price:** \$4,880

978-1-60960-627-5

**Print/E-Book:**\* \$3,975

**Regular List Price:** \$6,620

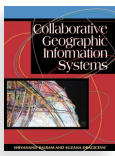
978-1-60960-728-9

\*E-book access is available on a perpetual basis and includes all features of IGI Global's advanced platform. To learn more about IGI Global's platform, visit [www.igi-global.com/eresources](http://www.igi-global.com/eresources).

**Free Access:** [www.igi-global.com/collections](http://www.igi-global.com/collections)



[www.igi-global.com](http://www.igi-global.com)



## Collaborative Geographic Information Systems

Shivanand Balram (Simon Fraser University, Canada), et al.  
ISBN: 978-1-59140-845-1; © 2006; pp. 364

This book details the theories, processes, and tools for designing and implementing collaborative GIS, and explores collaborative GIS methodologies currently being used or developed.



## E-Agriculture and E-Government for Global Policy Development: Implications and Future Directions

Blessing M. Maumbe (Eastern Kentucky University, USA)  
ISBN: 978-1-60566-820-8; © 2010; pp. 417

Provides critical research and knowledge on electronic agriculture and e-government development experiences from around the world.



## Environmental Information Systems in Industry and Public Administration

Claus Rautenstrauch (Otto-von-Guericke University, Magdeburg, Germany), et al.  
ISBN: 978-1-93070-802-0; © 2001; pp. 448

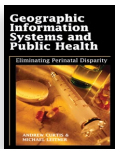
Deals with protection of air, water, and soil, urban and landscape developments, prevention of environmental hazards, and waste management.



## Geographic Information Systems and Health Applications

Omar A. Khan (University of Vermont, USA), et al.  
ISBN: 978-1-59140-042-4; © 2003; pp. 344

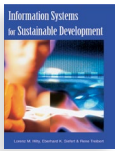
This book presents a sampling of the many applications utilizing GIS in the field of health, focusing on the needs of its developed countries utilizing the concepts and technologies of mapping.



## Geographic Information Systems and Public Health: Eliminating Perinatal Disparity

Andrew Curtis (Louisiana State University, USA), et al.  
ISBN: 978-1-59140-756-0; © 2006; pp. 317

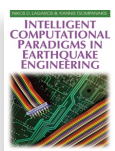
Introduces a community health group to the potential of using a Geographic Information System to improve birth outcomes.



## Information Systems for Sustainable Development

Lorenz M. Hilty (Swiss Federal Laboratories for Materials Testing and Research, Switzerland), et al.  
ISBN: 978-1-59140-342-5; © 2005; pp. 398

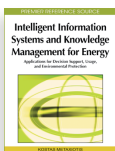
Provides a survey on approaches to information systems supporting sustainable development in both private and public sectors.



## Intelligent Computational Paradigms in Earthquake Engineering

Nikos Lagaros (University of Crete, Greece), et al.  
ISBN: 978-1-59904-099-8; © 2007; pp. 444

Presents the application of learning machines, artificial neural networks, and support vector machines as highly-efficient pattern recognition tools for structural damage detection.



## Intelligent Information Systems and Knowledge Management for Energy: Applications for Decision Support, Usage, and Environmental Protection

Kostas Metaxiotis (University of Piraeus, Greece)  
ISBN: 978-1-60566-737-9; © 2010; pp. 524

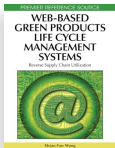
Examines key issues and approaches for energy use and provides future direction of development, as well.



## Organizational Communication and Sustainable Development: ICTs for Mobility

Anette Hallin (Royal Institute of Technology, Sweden), et al.  
ISBN: 978-1-60566-822-2; © 2010; pp. 389

Sheds light on the advantages, as well as disadvantages, of the use of ICTs for social, economical, and environmental sustainability.



## Web-Based Green Products Life Cycle Management Systems: Reverse Supply Chain Utilization

Hsiao-Fan Wang (National Tsing Hua University, ROC)  
ISBN: 978-1-60566-114-8; © 2009; pp. 468

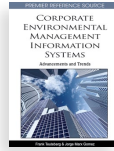
A unique collection in the growing field of green products, this book is a must-have for new and experienced researchers, as well as practitioners and academicians.



## Sustainable Urban and Regional Infrastructure Development: Technologies, Applications and Management

Tan Yigitcanlar (Queensland University of Technology, Australia)  
ISBN: 978-1-61520-775-6; © 2010; pp. 372

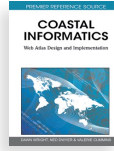
Bridges the gap in the current literature by addressing the problems in society's major infrastructures, and the technologies.



## Corporate Environmental Management Information Systems: Advancements and Trends

Frank Teuteberg (University of Osnabrueck, Germany), et al.  
ISBN: 978-1-61520-981-1; © 2010; pp. 358

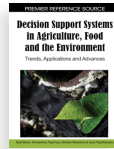
Discusses holistic and strategic approaches towards material and energy efficiency.



## Coastal Informatics: Web Atlas Design and Implementation

Dawn Wright (Oregon State University, USA), et al.  
ISBN: 978-1-61520-815-9; © 2010; pp. 442

A series of case studies giving practical guidance on geographic data management and documentation through standards-based metadata.



## Decision Support Systems in Agriculture, Food and the Environment: Trends, Applications and Advances

Basil Manos (Aristotle University of Thessaloniki, Greece), et al.  
ISBN: 978-1-61520-881-4; © 2010; pp. 388

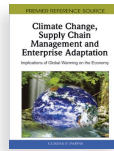
Presents the development of DSS for managing agricultural and environmental systems.



## Rethinking Sustainable Development: Urban Management, Engineering, and Design

Tan Yigitcanlar (Queensland University of Technology, Australia)  
ISBN: 978-1-61692-022-7; © 2010; pp. 324

Considers the role of urban, regional, and infrastructure planning in achieving sustainable urban and infrastructure development.



## Climate Change, Supply Chain Management and Enterprise Adaptation: Implications of Global Warming on the Economy

Costas P. Pappis (University of Piraeus, Greece)  
ISBN: 978-1-61692-800-1; © 2011; pp. 412

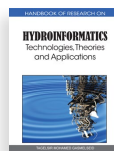
Discusses the growing sense of urgency fed by climate change and experienced by international institutions, governments, and enterprises.



## Regional Innovation Systems and Sustainable Development: Emerging Technologies

Patricia Ordóñez de Pablos (University of Oviedo, Spain), et al.  
ISBN: 978-1-61692-846-9; © 2011; pp. 398

Promotes scientific discussion on standards and practices of regional development.



## Handbook of Research on Hydroinformatics: Technologies, Theories and Applications

Tagelsir Mohamed Gasmelseid (University of Khartoum, Sudan)  
ISBN: 978-1-61520-907-1; © 2011; pp. 428

Provides research on the use of hydroinformatics to establish sustained linkages between the water system and other related systems.



## Handbook of Research on Green ICT: Technology, Business and Social Perspectives

B. Unhelkar (University of Western Sydney, Australia)  
ISBN: 978-1-61692-834-6; © 2011; pp. 695

Fosters technical advances, methodological innovations, and social changes that result in enhancements and improvements in business strategies, processes, social policies, and technical implementations related to the environment.