Managing Crises and Disasters with Emerging Technologies: Advancements

Murray Jennex (San Diego State University, USA)

When a disaster strikes, having every possible resource available is an urgent need for those practitioners and government officials put in charge of aid and recovery to those in need.

Managing Crises and Disasters with Emerging Technologies: Advancements offers the most vital, up-to-date research within the field of disaster management technologies. Since the first disaster information network was set up nearly fifteen years ago, information technologies have advanced at an exponential rate, allowing those managing emergencies, crises, and disasters to effectively manage and utilize data in a safe, efficient way. This collection includes research and updates from authors from around the world, with a variety of perspectives and insights into the most cutting edge technology the field has to offer.

Topics Covered:
- Crisis Management Systems
- Disaster Information Network
- Emergency Operations
- GIS Management
- Human Organizations
- Information Sources
- Meta-Organizational Data
- Prevention Models
- Response Activities
- Social Responsibility

Print: US $175.00  |  Perpetual: US $265.00  |  Print + Perpetual: US $350.00

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Murray E. Jennex is an associate professor at San Diego State University, editor in chief of the International Journal of Knowledge Management, co-editor in chief of the International Journal of Information Systems for Crisis Response and Management, and president of the Foundation for Knowledge Management (LLC). Dr. Jennex specializes in knowledge management, crisis response, system analysis and design, IS security, e-commerce, and organizational effectiveness. Dr. Jennex serves as the Knowledge Systems Track co-chair at the Hawaii International Conference on System Sciences. He is the author of over 120 journal articles, book chapters, and conference proceedings on knowledge management, crisis response, end user computing, international information systems, organizational memory systems, ecommerce, cyber security, and software outsourcing. Dr. Jennex conducts research for the National Center for Border Security Issues on risk management and technology integration. Dr. Jennex is a former US Navy Nuclear Power Propulsion officer and holds a B.A. in chemistry and physics from William Jewell College, an M.B.A. and an M.S. in software engineering from National University, an M.S. in telecommunications management and a Ph.D. in information systems from the Claremont Graduate University. Dr. Jennex is also a registered professional mechanical engineer in the state of California and a Certified Information Systems Security Professional (CISSP), a Certified Secure Software Lifecycle Professional (CSSLP), and a Project Management Professional (PMP).
Chapter 1
The Transformative Power of Social Media on Emergency and Crisis Management
For-mukwai Gideon F. (University of Nevada, USA)

Chapter 2
The Use of Social Media in Disaster Situations:
Lang Guido (City University of New York, USA)
Benbunan-Fich Raquel (City University of New York, USA)

Chapter 3
Building Community Resilience through Social Networking Sites:
Belblidia Miriam S. (University of Pittsburgh, USA)

Chapter 4
A Framework to Identify Best Practices:
White Connie (Jacksonville State University, USA)
Plotnick Linda (Jacksonville State University, USA)

Chapter 5
Wired Technology and Emergency Response:
Raman Murali (Monash University, Sunway Campus, Malaysia)
Ryan Terry (Claremont Graduate University, USA)
Jennex Murray E. (San Diego State University, USA)
Olffman Lorne (Claremont Graduate University, USA)

Chapter 6
A Normative Enterprise Architecture for Guiding End-to-End Emergency Response Decision Support
Match Michael J. (Claremont Graduate University, USA)
Schooley Benjamin L. (Claremont Graduate University, USA)
Hatan Thomas A. (Claremont Graduate University, USA)

Chapter 7
Lessons of Disaster Recovery Learned for Information Systems Management in US Higher Education
Xing Ruben (Montclair State University, USA)
Wang Zhongxian (Montclair State University, USA)
Yao James (Montclair State University, USA)
Zhang Yanli (Montclair State University, USA)

Chapter 8
An Approach to Using Ontologies for the Development of High Quality Disaster Recovery Plans
Rao Lila (The University of the West Indies, Jamaica)
McNaughton Maurice (The University of the West Indies, Jamaica)
Ossei-Bryson Kwaku-Maata (Virginia Commonwealth University, USA)
Haye Manley (Jamaica Public Service Company Limited, Jamaica)

Chapter 9
The Relationship between IT Director Values and Extent of IT Disaster Recovery Planning in the Banking Industry
Shesphere Jordan (Georgia Southern University, USA)
Kadlec Christopher (Georgia Southern University, USA)

Chapter 10
Lessons Learned on the Operation of the LoST Protocol for Mobile IP-Based Emergency Calls
Gouliant Anna (Texas A&M University, USA)
Zacchi Anna (Texas A&M University, USA)
Chintapatra Bharath (Texas A&M University, USA)
Magneussen Walt (Texas A&M University, USA)

Chapter 11
Factors that Influence Crisis Managers and their Decision-Making Ability during Extreme Events
White Connie (Jacksonville State University, USA)
Turoff Murray (New Jersey Institute of Technology, USA)

Chapter 12
Achieving Electric Restoration Logistical Efficiencies during Critical Infrastructure Crisis Response
Durbin Teresa (San Diego Gas and Electric, USA)
Jennex Murray E. (San Diego State University, USA)
Frost Eric (San Diego State University, USA)
Judge Robert (San Diego State University, USA)

Chapter 13
Curriculum Design and Development at the Nexus of International Crisis Management and Information Systems
Clement Keith (California State University Fresno, USA)

Chapter 14
A Methodology for Inter-Organizational Emergency Management Continuity Planning
Lindström John (Luleå University of Technology, Sweden)
Harnesk Dan (Luleå University of Technology, Sweden)
Laksmono Elma (Luleå University of Technology, Sweden)
Niemimaa Marko (Luleå University of Technology, Sweden)

Chapter 15
Implementing Social Media in Crisis Response Using Knowledge Management
Jennex Murray E. (San Diego State University, USA)

Chapter 16
Managing Crises in the Healthcare Service Chain
Constantinides Panos (Frederick University, Cyprus)

Chapter 17
The Role of Social Networks in Emergency Management:
Li Linna (University of California at Santa Barbara, USA)
Goodchild Michael F. (University of California at Santa Barbara, USA)

Order Your Copy Today!
Name: ____________________________
Organization: ____________________________
Address: ____________________________
City, State, Zip: ____________________________
Country: ____________________________
Tel: ____________________________
Fax: ____________________________
E-mail: ____________________________

Enclosed is check payable to IGI Global in US Dollars, drawn on a US-based bank

[ ] Credit Card [ ] Mastercard [ ] Visa [ ] Am. Express

3 or 4 Digit Security Code: ____________________________
Name on Card: ____________________________
Account #: ____________________________
Expiration Date: ____________________________