# Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Author(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Foreword</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Preface</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Acknowledgment</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Volume I</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Section I</strong></td>
<td><strong>E-Government and E-Commerce</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Chapter I</strong></td>
<td>Key Issues in E-Government and Public Administration</td>
<td>Rhoda C. Joseph and David P. Kitlan</td>
</tr>
<tr>
<td><strong>Chapter II</strong></td>
<td>Government Web Sites as Public Forums</td>
<td>Pearson Liddell, Jr., Robert S. Moore, Melissa Moore, William D. Eshee, and Gloria J. Liddell</td>
</tr>
<tr>
<td><strong>Chapter III</strong></td>
<td>Limitations of Evolutionary Approaches to E-Government</td>
<td>Rodrigo Sandoval-Almazán and J. Ramon Gil-Garcia</td>
</tr>
<tr>
<td><strong>Chapter IV</strong></td>
<td>Issues and Trends in Internet-Based Citizen Participation</td>
<td>Stephen K. Aikins</td>
</tr>
<tr>
<td><strong>Chapter V</strong></td>
<td>Public Sector Participation in Open Communities</td>
<td>Andrea B. Baker, J. Ramon Gil-Garcia, Donna Canestraro, Jim Costello, and Derek Werthmuller</td>
</tr>
<tr>
<td>Chapter</td>
<td>Title</td>
<td>Authors</td>
</tr>
<tr>
<td>---------</td>
<td>-------</td>
<td>---------</td>
</tr>
<tr>
<td>VI</td>
<td>Community Informatics</td>
<td>Larry Stillman and Randy Stoecker</td>
</tr>
<tr>
<td>VII</td>
<td>Public Wireless Internet</td>
<td>Dale Nesbary</td>
</tr>
<tr>
<td>VIII</td>
<td>The Current State and Future of E-Participation Research</td>
<td>Chee Wei Phang and Atreyi Kankanhalli</td>
</tr>
<tr>
<td>IX</td>
<td>Blogging</td>
<td>David C. Wyld</td>
</tr>
<tr>
<td>X</td>
<td>E-Government and SMEs</td>
<td>Ron Craig</td>
</tr>
<tr>
<td>XI</td>
<td>EU E-Business and Innovation Policies for SMEs</td>
<td>Anne Wiggins</td>
</tr>
<tr>
<td>XII</td>
<td>Exploitation of Public Sector Information in Europe</td>
<td>Ioannis P. Chochliouros, Anastasia S. Spiliopoulou, and Stergios P. Chochliouros</td>
</tr>
<tr>
<td>XIII</td>
<td>Information Technology Among U.S. Local Governments</td>
<td>Donald F. Norris</td>
</tr>
<tr>
<td>XIV</td>
<td>Public Sector Human Resources Information Systems</td>
<td>Christopher G. Reddick</td>
</tr>
<tr>
<td>XV</td>
<td>Digital Libraries</td>
<td>Micah Altman</td>
</tr>
<tr>
<td>XVI</td>
<td>An Exploratory Study of the E-Government Services in Greece</td>
<td>Dimitrios K. Kardaras and Eleutherios A. Papathanassiou</td>
</tr>
<tr>
<td>XVII</td>
<td>e-Government’s Barriers and Opportunities in Greece</td>
<td>Giorgos Laskaridis, Konstantinos Markellos, Penelope Markellou, Angeliki Panayiotaki, and Athanasios Tsakalidis</td>
</tr>
<tr>
<td>XVIII</td>
<td>E-Lections in New Zealand Local Government</td>
<td>Alex Dunayev and John Paynter</td>
</tr>
</tbody>
</table>
Chapter XIX
E-Census 2006 in New Zealand / John Paynter and Gabrielle Peko ..................................................201

Chapter XX
Security Challenges in Distributed Web Based Transactions: An Overview on the Italian
Employment Information System / Mirko Cesarini, Mariagrazia Fugini,
Mario Mezzanzanica, and Kryshaia Nanini .................................................................209

Chapter XXI
Interactive Personalized Catalogue for M-Commerce / Sheng-Uei Guan and Yuan Sherng Tay ......218

Chapter XXII
Trust Based E-Commerce Decisions / Vesile Evrim and Dennis McLeod ...........................................229

Chapter XXIII
Using Partial Least Squares in Digital Government Research / J. Ramon Gil-Garcia ...................239

Section II
Privacy, Access, Ethics, and Theory

Chapter XXIV
Privacy Issues in Public Web Sites / Eleutherios A. Papathanassiou and Xenia J. Mamakou .........256

Chapter XXV
A Framework for Accessible and Usable Web Applications / Lourdes Moreno, Elena Castro,
Dolores Cuadra, and Paloma Martinez .................................................................................265

Chapter XXVI
Intelligent User-Centric Access to Public Information / Giovanni Maria Sacco .............................274

Chapter XXVII
Open Access to Scholarly Publications and Public Policies / Jean-Philippe Rennard ................284

Chapter XXVIII
The Digital Divide and Social Equity / Alfred P. Rovai and Emery M. Petchauer .........................294

Chapter XXIX
Africa and the Challenges of Bridging the Digital Divide / Esharenana E. Adomi ......................303

Chapter XXX
Research Ethics in E-Public Administration / Carlos Nunes Silva ...............................................314
Chapter XXXI
Medical Ethical and Policy Issues Arising from RIA / Jimmie L. Joseph and David P. Cook ...........323

Chapter XXXII
Social Capital and the Gendering of Differential IT Use / Lia Bryant and Iolanda Principe ............333

Chapter XXXIII
Technology Diffusion in Public Administration / Eugene J. Akers ................................................339

Chapter XXXIV
Institutional Theory and E-Government Research / Shahidul Hassan and J. Ramon Gil-Garcia .....349

Chapter XXXV
Structuration Theory and Government IT / J. Ramon Gil-Garcia and Shahidul Hassan .................361

Section III
Security and Protection

Chapter XXXVI
Intelligence and Security Informatics / Jimmie L. Joseph .................................................................378

Chapter XXXVII
Practical Measures for Securing Government Networks / Stephen K. Aikins .................................386

Chapter XXXVIII
Digital Convergence and Cybersecurity Policy / Anthony W. Buenger, Jr. .................................395

Chapter XXXIX
Bioterrorism Response and IT Strategies / David A. Bray ..........................................................406

Chapter XL
Federal Public-Key Infrastructure / Ludwig Slusky and Parviz Partow-Navid ............................413

Chapter XLI
Radio Frequency Identification (RFID) Technology / David C. Wyld ............................................425

Chapter XLII
Roaming-Agent Protection for E-Commerce / Sheng-Uei Guan ....................................................441

Chapter XLIII
Integrity Protection of Mobile Agent Data / Sheng-Uei Guan .........................................................453
Volume II

Chapter XLIV
The Role of Data Mining in Intrusion Detection Technology / Amalia Agathou and Theodoros Tzouramanis ........................................................... 463

Section IV
System Design and Data Processing

Chapter XLV
System Dynamics to Understand Public Information Technology / Luis Felipe Luna-Reyes .......... 476

Chapter XLVI
Government Innovation Through Knowledge Management / Luis Felipe Luna-Reye .................. 493

Chapter XLVII
A Framework for Knowledge Management in E-Government / Kostas Metaxiotis ...................... 508

Chapter XLVIII
Web Application Classification: A Maintenance/Evolution Perspective / Hsiang-Jui Kung and Hui-Lien Tung ........................................................................................................ 520

Chapter XLIX
Web Services and Service-Oriented Architectures / Bruce J. Neubauer .................................... 531

Chapter L
The Strategic Determinants of Shared Services / Anton Joha and Marijn Janssen .............. 544

Chapter LI
Data Mining in Public Administration / John Wang, Xiaohua Hu, and Dan Zhu ......................... 556

Chapter LII
Categorization of Data Clustering Techniques / Baoying Wang, Imad Rahal, and Richard Leipold ......................................................................................................................... 568

Chapter LIII
Statistical Dissemination Systems and the Web / Sindoni Giuseppe and Tininini Leonardo ....... 578

Chapter LIV
Text Mining / Antonina Durfee .................................................................................................. 592
Chapter LV
Statistical Data and Metadata Quality Assessment / Maria Vardaki and Haralambos Papageorgiou ................................................................. 604

Chapter LVI
Probability Association Approach in Automatic Image Annotation / Feng Xu and Yu-Jin Zhang ............................................................. 615

Chapter LVII
Online Analytical Processing and Data-Cube Technologies / Lixin Fu and Wenchen Hu .......................... 627

Section V
Project Management and IT Evaluation

Chapter LVIII
Managing People and Information in Complex Organizations / Kalu N. Kalu ................................................................. 638

Chapter LIX
Human-Factors Design for Public Information Technology / Vincent E. Lasnik ................................................................. 650

Chapter LX
An Overview of IT Outsourcing in Public Sector Agencies / Anne C. Rouse ................................................................. 662

Chapter LXI
E-Health, Local Governance, and Public-Private Partnering in Ontario / Jeffrey Roy ................................................................. 672

Chapter LXII
Implementing a Sound Public Information Security Program / Stephen K. Aikins ................................................................. 689

Chapter LXIII
Evaluation of E-Government Web Sites / Michael Middleton ................................................................. 699

Chapter LXIV
IT Evaluation Issues in Australian Public-Sector Organizations / Chad Lin ................................................................. 711

Chapter LXV
Performance and Accountability in E-Budgeting Projects / Gabriel Puron-Cid and J. Ramon Gil-Garcia ................................................................. 722

Chapter LXVI
A Model for Reengineering IT Job Classes in State Government / Craig P. Orgeron ................................................................. 735
Section VI
Selected Readings

Chapter LXVII
Developing a Generic Framework for E-Government / Gerald Grant and Derek Chau .................748

Chapter LXVIII
A Web Query System for Heterogeneous Government Data / Nancy Wiegand, Isabel F. Cruz, Naijun Zhou, and William Sunna .................................................................775

Chapter LXIX

Chapter LXX
User Help and Service Navigation Features in Government Web Sites / Genie N.L. Stowers ........805

Chapter LXXI
An Empirical Study on the Migration to OpenOffice.org in a Public Administration / B. Rossi, M. Scotto, A. Sillitti, and G. Succi ..................................................................................................................................................818

Chapter LXXII
Organisational Challenges of Implementing E-Business in the Public Services: The Case of Britain’s National Mapping Agency / Francesca Andreeescu .................................................................................................................833

Chapter LXXIII
Public Administrators’ Acceptance of the Practice of Digital Democracy: A Model Explaining the Utilization of Online Policy Forums in South Korea / Chan-Gon Kim and Marc Holzer .............854

Chapter LXXIV
E-Mexico: Collaborative Structures in Mexican Public Administration / Luis F. Luna-Reyes, J. Ramon Gil-Garcia, and Cinthia Betiny Cruz ................................................................................................................873

Chapter LXXV
The Impact of the Internet on Political Activism: Evidence from Europe / Pippa Norris ...............889

Chapter LXXVI
Adoption and Implementation of IT in Developing Nations: Experiences from Two Public Sector Enterprises in India / Monideepa Tarafdar and Sanjiv D. Vaidya .................................................................905