Global Information Society: 
Operating Information Systems 
in a Dynamic Global 
Business Environment 

Table of Contents 

Preface ......................................................................................................... v 
Yi-chen Lan, University of Western Sydney, Australia 

Chapter I. The Taxonomy of Information Societies................................. 1 
Andrew S. Targowski, Western Michigan University, USA 

Chapter II. Organizational Structure Without Hierarchy in 
a Dynamic Global Business Environment............................................ 27 
Tomaž Kern, University of Maribor, Slovenia 

Chapter III. The Organizational Transformation Process to 
Globalization ............................................................................................. 42 
Magdy K. Serour, University of Technology, Sydney, Australia 

Chapter IV. Transition from Manual to IT-Based Documents 
Transacting Business Process: Performance Measurements 
System as the Key ................................................................................... 66 
Parthasarathi Banerjee, NISTADS, India 

Chapter V. Global E-Business Alliances: 
The Soci-Cultural Perspective, Influence, and Mitigation ............ 94 
Bhuvan Unhelkar, University of Western Sydney, Australia 

Chapter VI. Using DSS for Global Competitiveness: 
An Effective Information-Based Decision Making Process 
in Public Administration ........................................................................ 113 
Sherif Kamel, The American University in Cairo, Egypt 
Ahmed Zyada, Middlesex University-Regional IT Institute, 
Cairo, Egypt
Chapter VII. A Proposed Framework for Making Decisions Dynamically in a Global Organisation .............................. 130
   Sokkien Leeane Chhai, University of Western Sydney, Australia
   Yi-chen Lan, University of Western Sydney, Australia

Chapter VIII. Decision Support and Data Warehousing: Challenges of a Global Information Environment ....................... 149
   Alexander Anisimov, Ural State Technical University, Russia

Chapter IX. Web Services and Their Impact in Creating a Paradigm Shift in the Process of Globalization .......................... 167
   Bhuvan Unhelkar, University of Western Sydney, Australia

Chapter X. Quantitative Modeling in Introducing and Managing New Information Technology in Global Business Operations .... 193
   Somnath Mukhopadhyay, University of Texas at El Paso, USA
   Kallol Bagchi, University of Texas at El Paso, USA

Chapter XI. Comprehensive Impact of Mobile Technology on Business ................................................................................ 214
   Khimji Vaghjiani, K & J Business Solutions, Australia
   Jenny Teoh, K & J Business Solutions, Australia

Chapter XII. E-Business in the Global Automotive Industry: Key Value Propositions .......................................................... 240
   Mahesh S. Raisinghani, Texas Woman’s University, USA
   Lisa Bari Herwick, Purdue University, USA
   Ramesh Pullamsetti, Purdue University, USA
   Thomas Hegel Gunther, Purdue University, USA
   Vanessa Caisan, Purdue University, USA
   An Wang, Purdue University, USA
   Andrzej Koszut, Purdue University, USA

Chapter XIII. Global Information Systems in the Publishing Domain: An Experience Report .................................................. 265
   Christopher Payne, John Fairfax Holdings Ltd. Sydney, Australia
   Bhuvan Unhelkar, University of Western Sydney, Australia

About the Authors .......................................................................................................................... 295

Index .................................................................................................................................................. 301