

Contents

<i>List of contributors</i>	ix
<i>Preface</i>	xi
Introduction: The Emergence of Information Technology as a Strategic Issue	1
1 Developments in the Application of Information Technology in Business	3
Information technology in business: from data processing to strategic information systems	
<i>E. K. Somogyi and R. D. Galliers</i>	
(with a Postscript by <i>R. D. Galliers and B. S. H. Baker</i>)	
Part One: Information Systems Strategy	27
2 The Evolving Information Systems Strategy	33
Information systems management and strategy formulation: applying and extending the ‘stages of growth’ concept	
<i>R. D. Galliers and A. R. Sutherland</i>	
3 Information Strategy	64
Assessment of information strategies in insurance companies	
<i>M. T. Smits, K. G. van der Poel and P. M. A. Ribbers</i>	
4 The Information Technology and Management Infrastructure Strategy	89
Globalization and information management strategies	
<i>J. Karimi and B. R. Konsynski</i>	
5 Change Management Strategy	113
Change agency – the next information systems frontier	
<i>M. L. Markus and R. I. Benjamin</i>	

Part Two: Information Systems Planning	147
6 Information Systems Plans in Context: A Global Perspective	151
Understanding the global information technology environment: representative world issues <i>P. C. Palvia and S. C. Palvia</i>	
7 Approaches to Information Systems Planning	181
Experiences in strategic information systems planning <i>M. J. Earl</i>	
8 The Information Systems Planning Process	216
Meeting the challenges of information systems planning <i>A. L. Lederer and V. Sethi</i>	
9 Evaluating the Outcomes of Information Systems Plans	239
Managing information technology evaluation – techniques and processes <i>L. P. Willcocks</i>	
 Part Three: The Information Systems Strategy–Business Strategy Relationship	 261
10 Measuring the Information Systems–Business Strategy Relationship	265
Factors that influence the social dimension of alignment between business and information technology objectives <i>B. H. Reich and I. Benbasat</i>	
11 Information Systems–Business Strategy Alignment	311
The dynamics of alignment: insights from a punctuated equilibrium model <i>R. Sabherwal, R. Hirschheim and T. Goles</i>	
12 Strategies in Response to the Potential of Electronic Commerce	347
Market process reengineering through electronic market systems: opportunities and challenges <i>H. G. Lee and T. H. Clark</i>	
13 The Strategic Potential of the Internet	376
Strategy and the Internet <i>M. E. Porter</i>	

14	Evaluating the Impact of IT on the Organization	404
	The propagation of technology management taxonomies for evaluating investments in information systems	
	<i>Z. Irani and P. E. D. Love</i>	
 Part Four: Information Systems Strategy and the Organizational Environment		423
15	The Information Technology–Organizational Design Relationship	427
	Information technology and new organizational forms	
	<i>R. Lambert and J. Peppard</i>	
16	Information Technology and Organizational Decision Making	460
	The effects of advanced information technologies on organizational design, intelligence and decision making	
	<i>G. P. Huber</i>	
17	The Information Technology–Organizational Culture Relationship	497
	Understanding information culture: integrating knowledge management systems into organizations	
	<i>D. E. Leidner</i>	
18	Information Systems and Organizational Learning	526
	The social epistemology of organizational knowledge systems	
	<i>B. T. Pentland</i>	
19	Information Technology and Customer Service	555
	Redesigning the customer support process for the electronic economy: insights from storage dimensions	
	<i>O. A. El Sawy and G. Bowles</i>	
20	Information Technology and Organizational Performance	588
	Beyond the IT productivity paradox	
	<i>L. P. Willcocks and S. Lester</i>	
	 <i>Author index</i>	609
	 <i>Subject index</i>	617