

## Information Technology and Economic Development

Yutaka Kurihara Aichi University, Japan

Sadayoshi Takaya Kansai University, Japan

Hisashi Harui Kwansei Gakuin University, Japan

Hiroshi Kamae Hitotsubashi University, Japan



## Table of Contents

Forewordx	V
Preface xv	vi
Acknowledgment xx	ii
Section I	
Towards Sustainable and Permanent Economic Growth	
Chapter I	
The Evolution of 1CT, Economic Development, and the Digitally-Divided Society / Sadayoshi Takuya.	.1
Chapter II	
Information Technology and Economic Development in Developing Countries /	1
Muhammed Karttlas and Selahaitin Bekmez1	4
Chapter III  IT Promotion Policies for Economic Development: The Case of Malaysia / Rika Nakagawa	Ι
Chapter IV	
Information and Communication Technology and Economic Development in Malaysia /  Mohamed Aslam	.6
Chapter V	
Macroeconomic Announcements, Asymmetric Volatility, and IT:	
Evidence from JGB Futures/ Takeo Minaki, Ichihiro Uchida, and Hiroshi Kamae	9
Chapter VI	
The Macroeconomic Benefits of Intelligent Enterprise / Thomas F Siems	1

## Section II Domestic and Global Markets in the IT Age

International Reserves Accumulation: Some Lessons from Asia /  Michael Gapen and Michael Papaioannou
Chapter VIII IT and Thai Stock Market Development/ Chollada Luangpituka
Chapter IX  Key Drivers of Internet Banking Adoption: The Case of Spanish Internet Users /  Carlos Lassa/a Navarre, Car/a Ruiz Mafe, and Silvia Sam Bias
Chapter X E-Commerce Contribution to Economic Growth: The Case of Thailand /  Ing-wei Huang and Songsak Vanichvimon
Chapter XI IT and Software Industry in Vietnam / Ynko Iwasaki
Section III Innovative Engineering in IT
Chapter XII  The Influence of New Information and Communication Technologies on Transaction Costs of Micro-, Small- and, Medium-Sized Enterprises /  Ulz Dornberger, Luis E. Bemal Vera, and Alejandro Sosa Norena
Chapter XIII  Information Technology Industry Development and the Knowledge Economy:  A Four Country Study / Phillip Ein Dor, Michael Myers, and K.S. Raman
Chapter XIV Information Technology and Environment / Zhao Meng, Zheng Fahong, and Lu Lei
SecCion IV Socioeconomic Development in the IT Age
Chapter XV
International Institute for Knowledge Management <i>l.layanlh Paraki</i>

Chapter XVI	
Application of Computer Technology in Mechanical Industry of China / Jian-Xiong Liu, Zheng-Ming Xiao, Cha-Biao You, and Yii-Fei Wit	226
Chapter XVII	
A Study of the Relationships between Economic Climates, National Culture, and E-Government Readiness: A Global Perspective / <i>Princely Ifinedo</i>	234
Chapter XVIII	
Society and World Wide Web in Developing Countries: The Case of Turkey / Mustafa Zihni Tunca and Isa Ipcioglu	248
Chapter XIX	
E-Learning Implementation and Its Diverse Effects / Biju Issue, Jasmine Mering, Raymond Chiong, Seibu Mary Jacob, and Patrick Then	260
Chapter XX	
The Significance of the Existence of Women's Colleges and Their Entry into Science-Related Fields <i>I Akiko Nishio</i>	278
Chapter XXI	
Potential Challenges and Benefits of Information Technology and Economic Development in Sri Lanka / Kennedy D. Gunawardana	291
Chapter XXII	
Socio Economic Influence on Information Technology: The Case of California / Rasool Azari and James Pick	314
Chapter XXIII	
Strategies for Cultural Economic Development in Kamakura:	221
Managing Digital Contents and Cultural Assets I Sachiko Kishino and Frederic Andres	331
Compilation of References	342
About the Contributors	368
Index	376