

Index

A

accountability 20
active networks 237
ad hoc networks 237
adoption obstacles 283
Algeria 368
alternative dispute resolution 73
“and” strategy 269
ANOVA 223
Argentina 368
Asian-Pacific Economic Cooperative
(APEC) 379
asymmetric digital subscriber line (ASDL)
342
attitudes 340
authenticity 239
automatic teller machine 344
automobile industry 402

B

banking system 376
benchmarks 19
blind signature 359
Brazil 194, 368, 413
broadband access technologies 351
broadband networks 367

Bulgaria 368
business process outsourcing (BPO) 269
business processes 93
business relationships 329
business-to-business (B2B) 46, 350

C

candidates 143
capitalism 27
cash-on-delivery 72
causal loop 68
cause-and-effect 68
certification authority (CA) 355
certification services 71
certification standards 25
click and brick system 392
cluster analysis 220
Columbia 368
common object request broker architecture
(CORBA) 353
communication costs 329
competitive advantage 266
competitive strategies 413
competitiveness 267
computer-mediated environment (CME)
284
concealment 20

confidentiality 415
 consumer interest groups 67
 consumption 266
 content-delivery networks 237
 cost reduction 329
 credit card payments 361
 criteria of evaluation 329
 critical issues 234
 cryptography 241, 357
 culture 34, 51
 customization 329
 cyber-notary 237

D

data collection system 413
 data encryption standard (DES) 356
 data transmission 328
 decision-making 412
 democracy 27
 developing countries 7, 34, 251
 digital cash 362
 digital certificates 359
 digital coins 362
 digital commons 317
 digital copyright 362
 digital divide 6
 digital economy 122
 digital malpractice 18, 372
 digital signature 357
 digital watermarking 363
 digitalization 17
 digitally networked enterprise 284
 dimensions of information 2
 disintermediation 194
 disposable income 67
 distribution channels 119

E

e-banking 283
 e-business 3, 284, 376, 393
 e-Choupal 74
 e-commerce 3, 67, 94, 146, 172, 197, 217, 227, 236, 265, 286, 364
 e-commerce service providers (ESPs) 372
 e-learning 304
 e-marketplace 91, 106

e-readiness 218, 246
 economic liberalization 397
 economies of scale 267
 efficiency 393
 Egypt 143, 246
 electronic business 34, 170
 electronic cash 362
 electronic commerce 3, 67, 94, 146, 172, 197, 217, 227, 236, 265, 286, 364
 electronic data interchange (EDI) 352
 electronic payment 361
 electronic signature 342
 emerging countries 235
 employers 143
 encryption schemes 354
 environmental factors 91
 European Union 101
 external e-readiness 227

F

factor analysis 420
 financial infrastructure 364
 financial services market 370
 fingerprinting scheme 363
 flexible systems methodology 393
 foreign direct investment 266
 foreign private investments 265
 fragile watermarking scheme 363
 free Internet initiative 367
 functional grouping 422

G

global availability 329
 global e-commerce 172

H

Hotmail 12
 HTTPS 360
 human resource management 268
 hybrid encryption scheme 357

I

ICT limitations 377
 India 368, 393

infoenergetic systems 11
 information and communication technology (ICT) 247, 377, 394
 information gathering 341
 information intermediation 412
 information needs 411
 information technology (IT) 36
 information theory 8
 information-based economy 412
 infrastructure 4, 58, 64
 inherent trust 15
 inhibiting factors 298
 initial critical mass 322
 integrated services digital network (ISDN) 342
 intellectual property rights 342
 intelligence cycle model 413
 interactive sites 387
 intermediation 194
 international bandwidth 365
 international banks 266
 Internet access 366
 Internet backbone 364
 Internet bandwidth 366
 Internet banking 14
 Internet boom 5
 Internet cafés 369
 Internet content 47
 Internet hosts 370
 Internet penetration 64
 Internet rollout 37
 Internet service providers (ISPs) 364
 Internet technology 330, 340
 Internet ticketing 78
 Internet usage 367
 investment 265
 IT adoption 397
 IT enabled services 81
 IT evaluation 329
 IT-enabled change 392

J

job-seekers' acceptance 161
 Jordanian SMEs 330
 judicial system 15

K

key-based cryptography encryption 356

L

language 48
 Latin America 126, 134
 learning-action-performance 392
 legal bills 67
 legal framework 15
 legal issues 53
 legislative infrastructure 364
 logistic systems 67

M

m-commerce 187
 maintenance 23, 311
 market reach 64, 329
 material dimension of information 9
 material Internet 9
 message delivery 414
 message digest 357
 Mexico 368
 mobile 176
 mobile business 170
 mobile communications 170
 mobile-commerce 352
 modernization 397
 Morocco 368
 multimedia messaging service (MMS) 373

N

negative cycle 69
 network backbone 365
 network firewalls 360
 network marketing scheme 323
 Nigeria 368

O

offshore outsourcing 265
 OLI factors 270
 Omani Banking Industry 283
 online dispute resolution 73
 online payment 64, 362
 online recruitment 143

online trust 353
 open digital media 312
 open-source governance 311
 open-source software systems 307
 operational values 327
 organizational characteristics 344
 organizational e-readiness 217
 organizational factors 91

P

payments service providers 362
 pillars 15
 political movements 12
 portfolio 265
 positive cycles 69
 postindustrial economy 5
 pragmatic fragility 13
 pragmatic information 8
 pragmatic Internet 10
 pre-paid cards 72
 primary activities 268
 process automation 17
 procurement 268
 product research 341
 productivity 393
 programmable networks 237
 protocol 242
 public key 354
 public key encryption scheme 356
 public key infrastructure (PKI) 242
 public key signature methods 358
 public-key cryptography 355

Q

quality of service (QoS) 70

R

readiness assessment 388
 Romania 369

S

secondary activities 268
 secret key 354
 secure infrastructure 243
 secure socket layer (SSL) protocol 242,

354
 security 64, 236, 294
 semantic information 8
 semantic Internet 10
 short message service (SMS) 373
 simple object access protocol (SOAP) 353
 situation-actors-process 392
 Slovenia 369
 small and medium enterprises (SMEs) 246,
 330
 smart cards 361
 SMEs 246, 330
 socio-demographic 417
 socio-economic 64, 78
 South Africa 219
 stock brokerage 194
 stock market 194
 strategic advantage 327
 superstructure 4
 supply chain coupling 119
 symmetric key 357
 syntactic Internet 9
 syntactical information 8
 system dynamics 84
 systematic approach 424

T

taxation 82
 technical infrastructure 343, 364
 technology acceptance model 147
 technology diffusion 35
 telecommunications 174, 328, 376, 412
 textile 247
 Thailand 368
 Togo 368
 Tunisia 368

U

Ukraine 377
 uniform taxation 83

V

value added tax 84
 value chain 268
 value-added networks (VANs) 353

442 Index

virtual communities 12
virtual environment 329
virtual marketplace 372

W

watermark 363
Web development 376
Web services description language
(WSDL) 353
Wi-Fi 352
WiMAX 373
wireless e-commerce 352
Wireless Internet access 373
Wireless local area networks (WLANs) 352

Z

Zimbabwe 368