Index

A
active affiliates 52
affect-based trust 179, 182, 183, 195
ANOVA analysis 60
anti-spyware 95
anti-virus applications 95
application design 227
autonomous affiliates 52
average variance extracted (AVE) 186, 209

B
behavioral intention to use (BIU) 339
bi-directional communication 229
business culture 50
business strategy 284, 287, 288, 291, 292, 294, 297, 298, 299, 302, 303, 304
“Business-to-Business trust issues 267

C
capitalist ideologies 35
Career commitment 8, 9
Certified Public Accountants (AICPA) 157
cognition-based trust 177, 179, 180, 182, 183, 192, 194
collectively known as collaborative software (CSW) 105
collectivism 107, 109, 111, 113, 117, 127, 128, 129
collectivistic culture 13, 14, 15, 21
collectivistic cultures 105, 113, 114, 120
communication culture 181
complex cultural 25
complex. ERP systems 50
computer-mediated communication 134, 136, 144, 152, 153
computer-mediated communication (CMC) 105
Computer related education 227
computing technologies 27
confirmatory factor analysis (CFA) 235
context analysis diagram (CAD) 142
contract facilitation 227
contract monitoring 227
core business functions 1
cost-based competition 290
cost of goods sold to sales (COGS/S) 392
cross-cultural 155
cross-cultural awareness 91
cross-cultural business context 248, 249, 258, 268, 271
cross-cultural comparison 92
cross-cultural CSW research 107
cross-cultural differences 155, 156, 168, 169
cross-cultural difficulty 257
cross-cultural environment 258, 271
cross-cultural MIS literature 337
cross-cultural psychology literature 339, 343
cross-cultural research 104
Cross-cultural researchers 342
cross-sectional study 351
CSW-supported cultural research 104
CSW-supported group 105, 107
Index

CSW-supported groups 108, 117
Cultural differences 256, 257, 258
Cultural distance 49, 51, 53, 54, 55, 57, 58, 59, 60, 65, 67, 68, 71, 72
Cultural diversity 23, 40
Cultural-ethnic similarity 179, 180, 182
Cultural factors 23, 25, 26, 28, 29, 31, 32, 33, 34, 39, 40
Cultural influence 27, 35, 40
Cultural issues 248, 254
Cultural model 107
Cultural traditions 174
Culture-ethnic similarity 180
Customer-oriented activities 392

D

Data flow diagrams (DFDs) 142
Data resources 250
Decision-making 74, 75, 76, 87, 88, 89, 90
Decision-making paths 4
Decision support system (DSS) 366
Department of Defense (DoD) 315
Department of Trade and Industry (DTI) 250
digital divide 100
dynamic nature 370, 376, 377

E

e-business 389, 390, 391, 392, 393, 394, 395, 397
e-business affairs 203
e-commerce 154, 155, 156, 159, 169, 170, 171, 172, 173, 203, 204, 206, 216, 217, 218, 219
economic opportunity 23, 39
economic value added (EVA) 390
e-government services 208
Electronic business 389
Emotional gender 256
enterprises 202, 203, 204, 207, 209, 216, 218, 219, 221
Entity relationship diagrams (ERDs) 142
Environmental 4, 9
Environmental context 203
Environmental factor 202, 213
Environment context 52, 54
Environment framework 201, 219
e-procurement systems 205
e-procurement transaction 214
ERP systems 50, 71, 73
evaluation framework 205, 208, 209, 214, 221
extra-organizational cultural values 354

F

Face-to-face communication 146, 148, 263, 266
Face-to-face counterparts 148
Face-to-face (FtF) 105
Face-to-face interactions 139
Face-to-face meetings 133, 137, 139, 150
Face-to-face settings 136
Face-to-face teams 136, 137, 152
Financial data 392
FtF environment 115
FtF mode 115
Fuzzy decision table (FDT) 76
Fuzzy evaluating algorithm (EFWA) 87
Fuzzy group decision-making (FGDM) 74
Fuzzy rough set (FRS) 76

G

gender researchers 27
gender stereotypes 24, 26, 28, 35, 39
genIE users 366
GIS management 49, 50, 51, 58, 59, 60, 61
GIS policy 57
GIS strategy 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 65, 66, 67, 68, 69
global competitiveness 292
global databases 49
global delivery model 132, 149
global economy 176
global exports 223
global information exchange 56
global information systems (GIS) 49
global integration 52, 55, 59, 60, 64, 66, 69
global IS strategy 55
global IT infrastructure 54
globalization 114, 115, 117, 285, 287, 290, 338
globally integrative 52, 53, 55, 56, 57, 58, 59, 65, 66
global nature 154, 155
global strategies 65
government-directed economy 203, 215
government environment 208
group decision support systems (GDSS) 365, 366
group support systems (GSS) 105

H
human assets 227
human characteristic 175

I
ideological systems 28
independent variables (IV) 106
information and communications technology (ICT) 257
information retrieval 227
information systems (IS) 1, 105
information technology capability (ITC) 222
information technology (IT) 49, 50, 74, 201, 337
Initiating structure 177
institutional theory 201
institutional theory perspective 202
integration-responsiveness (IR) 51
integration-responsiveness model 49
interpersonal trust 155, 156, 158, 159, 160, 162, 163, 168
intra-individual perspective 4
intraorganizational knowledge sharing 284, 285, 286, 287, 288, 289, 290, 293, 296, 299, 300, 301, 302, 303, 305
IS employees 15, 17
IS investigations 2
IS/IT governance 227
IS professionals 1, 2, 4, 6, 8, 9, 10, 11, 12, 14, 15, 16, 17, 19, 20
IT acceptance 339, 340, 352
IT adoption 113, 201, 202, 203, 204, 205, 206, 207, 208, 211, 212, 213, 214, 215
IT advancement 201, 213, 215
IT architecture 50, 51, 54, 227, 228, 230, 233, 234, 235, 238
IT architectures 228
IT asset 214
IT-based knowledge management systems 285
IT-based resources 391
IT career 23, 31, 38, 39, 40, 41
IT configuration 205, 206, 210
IT decision 202, 205, 206, 211, 212
IT employees 9
iterative model 140
IT evaluation framework 205
IT field 23, 24, 25, 30, 31, 37, 39, 40, 41, 48
IT gender gap 25, 41, 45
IT hardware 208, 209, 220
IT human resource 227, 229, 230, 234, 235, 238, 245
IT implementation 204
IT infrastructure construction 201, 206, 213, 214, 215
IT issues 25, 41
IT labor 39, 45
IT management 201, 203, 204, 205, 206, 208, 210, 211, 212, 213, 214, 215, 218
IT managers 338, 349, 350, 352
IT maturity 49, 53, 54, 55, 60, 65, 66
IT offshore outsourcing 74, 75, 76, 78, 82, 83, 84, 88, 89
IT-related resources 225, 227
IT relationship 227, 229, 230, 234, 235, 238, 239
IT relationship resource 227, 229, 230, 234, 235, 238, 239
Index

IT research 39, 40
IT resources 223, 225, 228, 231, 233
IT sector 23, 24, 26, 30, 32
IT software standards 205
IT sophistication 55
IT standard 206
IT tools 223
IT usage 201, 202, 203, 204, 205, 206, 207, 208, 210, 213, 214, 215, 219, 221
IT workforce 23, 24, 25, 26, 29, 31, 32, 35, 38, 40, 41, 44, 45, 46

J
job scope 5, 16
Job scope 5, 13
judgment matrix 368, 369, 373, 379, 384, 388

K
knowledge assets 291, 292, 302, 311
knowledge-based competition 285, 292
knowledge economy 285
Knowledge management (KM) 174
knowledge-related activities 291, 302

L
leadership behavior description questionnaire (LBDQ) 178
liability of foreignness 226, 237

M
malware 91, 92, 94, 95, 97, 99, 101
Management Development Institute (MDI) 132, 135
management information systems (MIS) 138, 338
management knowledge 284, 287, 290, 291, 294, 297, 298, 299, 300, 301, 303, 304
Management relations 8, 13
manufacturing industry (MI) 210
Marquette University (MU) 132, 135
maximum likelihood (ML) 235
meta-synthetic approaches 376, 377
micro-culture 30
Ministry of Information Industry (MII) 204
MIS literature 337, 340, 343, 353
mission-critical decision-making 366, 372, 378, 379
Mission-critical group decision-making 366
MNC development 52
MNC strategy 52
multidimensional 230
multi-dimensional scale 222
multi-focal 52, 53, 56, 57, 58, 59, 65, 66, 68
multinational corporations (MNCs) 49

N
networking world 95
network status 208
non-respondents 63
non-Western cultures 113
non-work factors 9, 15, 16

O
off-shored software projects 134, 135
off-shoring model 133
on-line media 141, 142
online transactions 154, 155, 156, 157, 159, 162, 163, 165, 168, 169, 172
online vendor 155, 156, 159, 160, 168
on-site development 133
operating expenses to sales (OEXP/S) 392
operating income to employee (OI/E) 392
operating income to sales (OI/S) 392
organizational antecedents 284, 285, 299, 301, 303, 305
organizational citizenship behavior (OCB) 179
organizational context 203
organizational culture 287, 289, 290, 306
organizational knowledge 285, 288, 291, 294, 296, 300, 302, 310
organizational learning 288, 293, 302, 303, 309, 311
## Index

organization context 52, 54

**P**
- parent resource dependency 49
- partial least squares (PLS) 184, 191
- PDI (Power Distance Index) 93
- perceived ease of use (PEOU) 339
- perceived usefulness (PU) 339
- persuasive arguments theory (PAT) 111
- physical markup language (PML) 317
- policy making 60
- political ideology 25, 26, 27
- principal-component 163
- proof-of-concept application 318

**R**
- real-time basis 319
- relationship assets 227
- relationship building 227, 229
- research framework 285, 286, 305
- research model 51, 53
- resource-based perspective 391
- resource-based view (RBV) 391
- return on assets (ROA) 390, 392
- return on equity (ROE) 390
- return on investment (ROI) 268
- return on sales (ROS) 392
- RFID adoption 314, 320, 330, 331, 335
- RFID-based applications 329
- RFID business model 322
- RFID infrastructure 322
- RFID practices 329, 330
- RFID scans 317
- RFID solutions 320, 322
- RFID system 316, 320, 322, 324, 325, 328, 330, 336
- RFID systems 315, 319, 320, 325
- RFID tags 315, 317, 318, 320, 328, 331, 336
- RFID technology 315, 316, 318, 324, 325, 326, 328, 329, 330, 331, 334
- rootkits 91, 92, 94, 95, 96, 97, 98, 99, 100, 101

**S**
- self-efficacy 341
- self-evaluations 291
- selling and general administrative expenses to sales (SG&A/S) 392
- skill variety 5, 6, 12, 16
- small and medium sized enterprises (SMEs) 223
- social behavior 181
- social class 23, 26, 30, 35, 37, 39
- social cognitive theory 290, 301, 306
- socialization 141, 150, 338, 342, 343
- social presence 134, 136, 146, 148
- social structure 69
- societal context 29, 31, 39
- societal factors 25, 32
- socio-cultural factors 23, 32
- socio-cultural influences 27, 30
- socio-cultural moderators 39, 41
- socio-economic class 27, 31
- socio-political conditions 203
- software development 132, 133, 134, 135, 137, 147, 149, 150, 151
- software industry 133
- spyware 91, 92, 94, 95, 96, 97, 98, 99, 100, 101
- SSAD methodology 142
- Standard Industrial Classification (SIC) 392
- structural equation modeling (SEM) 207, 235
- style of management 285, 287, 291
- subculture 352, 353
- symbiotic relationship 95

**T**
- task-based opportunities 190
- technical architecture 227
- technological context 203
- technology context 52, 53
- technology infrastructure 206, 216, 219
- technology-organization-environment framework 49, 51
- technology-organization-environment (TOE) 51
Index

technology-organization-environment (TOE) framework 51, 202, 203
theoretical framework 25
time-consuming 223
Theory of Reasoned Action (TRA) 339
time-consuming 223
TOE framework 51, 52, 53, 66, 201, 203, 210
transaction cost theory (TCT) 75
trans-border data 60

U
UAI (Uncertainty Avoidance Index) 93
uncertainty avoidance (UAI) 107

V
variable precision fuzzy rough group decision-making (VPFRGDM) 74, 76
variable precision fuzzy rough set (VPFRS) 74, 76
virtual mode 133
virtual teams 134, 135, 136, 137, 138, 139, 140, 141, 142, 144, 146, 147, 148, 149, 151, 152
visual communication 111
visual design 258

W
web-based online e-government 208
web-based tax reporting 214
Workplace environment 7, 8
World Trade Organization (WTO) 224