# **Index**

#### A

academic research 296

# B

business applications 76 business network redesign 39 business process automation 38 business process change 35 business process redesign 38 business processes 272

#### $\mathbf{C}$

collaborative applications 223 competition 223, 230 competitive advantage 333, 338, 346 computer-aided design 92 computer-assisted instruction 92 computer-assisted software engineering 92 corporate intranet 228 customer service 333, 335, 339, 344

### D

data errors 279, 281, 283, 284, 285 data quality 21, 22, 23, 25 data quality engineering 25, 26, 27, 28 data resources management 21

# E

effectiveness 141 end-user participation 184 enterprise applications 224 enterprise wide Web 224 error detection 286, 289, 290, 291, 292 expert system 92, 334, 339, 343, 348

# G

Gartner Group, The 227, 230

#### Η

higher education 302, 311

# I

information management 242 information systems 127, 242, 296, 298, 302, 315, 318, 326, 330 information systems capability 76 information technology 90, 242 information technology economics 259 information technology infrastructure 136 infusion 223, 225 interactive application platform 224 interactive collaboration platform 224 Internet 117, 239, 255 Internet technology 117 intranet 224 IS faculty 297, 298, 300, 302 IS human resource management 352, 359 IS implementation 224 IS infrastructure 53 IS infrastructure flexibility 65 IS management 127 IS structure 226, 230 IS/IT planning 153 IT acceptance 160 IT infrastructure 73, 75, 228, 230 IT intensity 145 IT investment decisions 141 IT investment intensity 141 IT theory 107

#### K

knowledge flow 323, 326 knowledge management 1, 4, 315, 316, 334

knowledge management technology 7

#### M

mass customization 53, 59, 60 media 116 meta-media 118

#### N

naval 319, 320 new media 243, 251, 253, 254

## O

organization forms 1 organizational commitment 359, 360 organizational information systems 2 organizational size 230 organizational structure 93, 226

#### P

path analysis 367 performance 65, 66 power distance 167 process design 39 project champion 333, 334

# Q

Q methodology 127, 132 Q-sort analysis 127

#### R

reengineering 315 research productivity 296, 297, 298 return on equity 260 role stress 366

### S

strategic investment decisions (SIDs) 141 systems analysis 186 systems analysts 192

## T

technological innovation 228
technology acceptance 93
technology acceptance model (TAM) 118,
158, 160
technology application 130
technology infrastructure 130
theory knowledge 102
time-to-market 63, 64, 65
top management support 230

#### U

user participation 186 user satisfaction 204

#### V

value of information technology 273

# W

Web publishing 223 World Wide Web 116, 239