Index

A
agent 195, 240, 243
agent butler 194, 323
agent charger 197
agent community 323
agent fabrication 190, 198
agent factory 195, 255
agent Immigration 197
agent management 282
agent owners 193
agent roaming 190
agent service provider 216
agent technologies 177
agent technology 90
agent-based e-commerce 190
agent-based e-payment scheme 317
agile enterprise 252
AMV-communities 267
AMV-community-space 267
architectural pattern 135
auction 31, 231, 234
auction server 81
auction sites 81
authentication 50, 83
authorization 50
automated negotiation systems 122
automatic purchasing 77
autonomous 77

B
bidding strategies 81
bots 109
broker 237
brokers 234
business application programming interface 260
business models 177
business-agent-consumer 61
business-centric 4
business-consumer 61
business-critical applications 6
business-to-business 75
buying agent 77

C
children 46
clearing house and bank 198, 323
calculations 274
collaboration patterns 142
collaboration strategy 122
collaborative filtering 374
communication processor 253
community 192
community administration center 196
component (application) framework 254
component model 253
concentrated constellations 274
conceptual graphs 241
constraint agents 123
constraint satisfaction 126
constraint technology 123
consumer education 54
consumer interaction 77
conversion agents 254
cookie 47
cryptographic techniques 317
cryptographic technology 349
   cryptography 51
   customer-centric applications 4
   customer-to-business 75
   customized electronic commerce 150

D
   data mining 376
   database marketing systems 376
   definition and properties of software
   agents 76
   digital signatures 51, 52
   digitized goods 59
   discovery 78
   disintermediation 30
   distributed recommender system 373
   dual export activities 36
   dynamic markets 180
   dynamic tickets 59

E
   e-auction 272
   e-trade 318
   EDI (electronic data interchange)
     75, 240, 242, 253
   electronic broker 237
   electronic commerce business models
     102
   electronic exports to customers 37
   electronic markets 105
   electronic payment systems 318
   electronic tendering 232
   electronic-business 67
   electronic-commerce 58, 93,
     291, 332
   electronic-consumers 67
   eligibility authentication 51
   elliptic curve cryptography (ECC) 52
   enterprise resource planning 253
   evolutionary strategies 125
   extensible markup language 251

F
   facial animation 291
   fair exchange of value 45
   framework component 255
   fraud 45

G
   game theoretical models 123
   global market 25

H
   hard trust 50
   HTML 82

I
   IC engineering 2
   IC implementation 20
   IC requirement specification 3
   IC technology 9
   identification 50
   industry and competitive analysis
     framework 62
   intelligent agent 89
   intelligent agents 106
   inter-company communication 251
   inter-company coordination 251
   interorganizational cooperation 251
   international marketing 25
   international trading 32
   Internet 25, 75
   Internet commerce 25, 44, 58, 372
   Internet export marketing strategy 27
   Internet lottery commerce 58
   Internet taxation 48
   issues in implementing agent based e-
     commerce 76

J
   Java 259
   Java card 213
   JavaBeans 259

K
   Knowledge interchange format (KIF)
     82
   Knowledge query and manipulation
     language (KQML) 82
index 407

L

level of intangibility 27
linear scalar transformation 261
local knowledge base 253

M

market entry 24
mass customization 38, 252
matchmaking 156
mercantile model 76
merchant brokering 80
MPEG-4 291
multi-agent systems 251

N

negotiation 78, 349
negotiation agents 254
negotiation protocol 129
negotiation strategy 122

O

objective 268
obligation 268
off-card agent 216
on-card agent 215
on-line cataloging 156
on-line tickets 59
ontology 242, 253
owners 323

P

pay-per-use 332
payment 349
payment systems 319
permission 268
person authentication 51
personalization 153
plug-in components 123
policy 268
postpurchase interaction 79
pre-printed tickets 59
prepurchase interaction 78
price dispersion 31
privacy 45, 83
private key 52
problem solver 253
process based electronic exporting 37
product brokering 79
product discovery 79
product search 79
product/service characteristics 27
prohibition: 268
public key 52
purchase consummation 78

R

recommender systems 373
reintermediation 30
roles 268

S

SAFER e-commerce architecture 317
SAP R/3 260
secure electronic transaction (SET) 52
secure socket layer (SSL) 52
security 45, 76, 318
selection of products 78
selling agents 77
semi-autonomous 77
service agent 217
SGML 255
shopping bots 110
smart card 207
smart card agent 207
smart cards 52
social and ethical implications 96
soft trust 50
software 351
software agent 31, 209
software agent technology 317, 349
software agents 76, 88, 150, 253, 267
software components 253
software patterns 123
software tools 332
static 59
strategic resource evaluation 63
T

talking heads 291
tender process 231, 232
tendering 240
trust-based relationships 45

U

UN/EDIFACT 255
unified modeling language 253
user profiling 156

V

value authentication 50
value chain 60
value networks 180
virtual enterprise 252
virtual salesperson 291
voluntary participation 45

W

Web-commerce 58

X

XML 82, 255
XML service advertising protocol 261
XML/EDI 255