Index

A
ACE
architecture framework 34
concepts 37
dimensions 42
adaptive complex enterprise (ACE)
architecture 33
adhesion 128
algorithm performance evaluation 308
architecture and development 112
architectures and platforms 331
associated constructs 59
automated data capture 73
automatic mapping discovery 317
auxiliary information 313

B
business
alignment 41
architecture 33
approach 33
alignment 1, 3, 8
enabler 1, 13
information integration 282
integration 104, 118, 160
problems 329
management 189
integration 189
process layer 70
requirements 211
strategy 211

centered management survey 252
co-engineering 53
business 33
competence management 104
model 104
competitive advantage 212
competitiveness 3
computer
administration of knowledge 244
integrated manufacturing (CIM) 59
concept in FCA 311
conceptual model 144
consistency checks 76
Corporate
acquisitions 174
M&As 178
mergers 174
cultural aspects of ICT 160
culture 211
customer satisfaction 190
customer satisfaction 189

D
database management systems (DBMS) 282
data warehousing methodology 263
de-centralized investment projects appraisal 329
decision process 163
diffusion of ES innovations 88
document/workflow management 272
document warehouse layer 263
domain description 340
drivers 82, 93
DW layer 272
dynamic enterprise modeling 59
Index

E

electronic business evolution 128
electronic business platform 118, 121
electronic data integration 123
empirical framework 61
enablers 82
enabling technologies 92
enterprise architecture 62
enterprise architecture’s role 163
enterprise business process 265
enterprise integration architectures, modeling
and, methodologies (EIAM&M) 59
enterprise modeling framework 59
enterprise organizational reconfiguration 1
enterprise reconfiguration dynamics 1
enterprise resource planning (ERP) systems
104
enterprise systems 82
ES and the Internet 87
ES innovation 82
eXtensible Markup Language (XML) 282
eXtensible Markup Language (XML) data
sources 282
external or boundary conditions 68
Extranets 255

F

fast reconfiguration 1
FIDES 334
fractal approach 41
framework for investment decision support
(FIDES) 329
front line staff support 72

H

high-technology sector 263
holistic knowledge management infrastructure
267
human resource based-business processes 105
human resource management 104
human resources 244

I

ICT capabilities 160
ICT governance 166
individual knowledge 228
information and communication technology
(ICT) 160
information integration 308
information logistics 137
information management capacity 82
information systems (IS) integration 174
information use 33
Infospace Pattern 47
initial reference framework 107
innovation 211
innovation process 266
insurance business 118
insurance industry 118
integrated management 189
integration business information problem 282
integration in M&A 180
integration of business management 189
integration platform 329
intelligence of business 244
intelligent organizations 244
interdisciplinary forum 161
intermediaries 118
internal consistency 68
internal representation 64
intra-enterprise reconfiguration dynamics 16
Intranets 255
IS function 184
IS integration 174
ISO 9001 Quality Assurance standard 263
IT-enabled adaptation 33
IT implications 219

J

Japanese Nasal Spray (JNS) Project 195
Java 2 Platform Enterprise Edition (J2EE) 329
JNS system measurement 196

K

KM trends 215
knowledge-based society 211, 219
knowledge-sharing culture 226
knowledge computing management 244
knowledge leadership 211
knowledge management (KM) 211
knowledge management in enterprises 265
knowledge management platform design 263
knowledge manager 249
knowledge resources 263
knowledge sharing 308
knowledge sharing culture 211
knowledge Web (KW) 253
knowledge work industries 59
KOMO Project 204

limitations on ICT 167

M&A Act 176
make work modeling 72
management 63
management content 211
management lessons 63
management perspective 174
management support 72
managing information systems integration 174, 182
manual data capture 75
mapping result description 308
mapping results 318
mergers and acquisitions (M&As) 174
methodological perspective 251
Mihajlo Pupin Institute (MPI) 263
multi-criteria decision-making 338
multi-similarity measure 320

native XML sources 285
nested ACE pattern 47
nesting 298
network of excellence 211
Network of Excellence (NoE) 226
new business requirements 211
not-XML data sources 284
novel business integration architectures 345

ontologies 263, 310
ontology concept 311
ontology mapping 308, 311
ontology mapping schemes 308
ontology mapping techniques 308, 312
ontology repository 276
ontology representation languages 310
operations systems 33
operative integration 169
organizational diagnosis 249
organizational knowledge 228
organizational models 14
organizational structure 211
out-of-date models 73

performance-related concepts 137, 150
platforms 332
practical Modeling Management 72
process integration 190
product life cycle 3
ProjectsAnywhere 329, 339
proposed enterprise 76

real-world modeling 71
recommended semiotics indicators 257
reconfigurability 8
relational databases and XML 284
relational databases sources 282
research and development (R&D) 263
risk analysis 336

SCOntology 137
semantic integration 308
semantic languages RDF/RDFS 277
semantic layer 263
semantic Web 308
semi-automatic mapping discovery 312
service level agreements 166
service oriented architecture (SOA) 329
SilkRoute 287
similarity measurement 319
similarity measures 308
single similarity measure 319
Six Sigma Methodology 189
Six Sigma Roadmap 193
Index

social aspects of ICT 160
society of knowledge 244
soft computing techniques 316
software architectures 329, 338
software design and implementation 112
software platforms 329
state-of-the-art business intelligence technologies 268
state-of-the-art technologies 268
strategic layer 69
successful enterprise architecture 164
supply chain 137
supply chain management (SCM) 137
system architecture 344
system dynamics 9
systemic knowledge matrix 251, 256

T
technologies of administration 244
technology 211
text mining 276
The Core MPI Ontology 275
The MM Project 199
three-tier architecture 329
Trelleborg AB 182
Trelleborg Industrial Hose acquisition 174
Triage Pattern 46

V
variable topology 66
variable views 66
VRL-KCiP 228
VRL-KCiP Network of Excellence (NoE) 226

W
Web services 263
Web services approach 329

X
X-Ray 286
XBD 288
XDS 296
XDSQuery 300
XDSSchema 298
XML 282
XML-enabled relational databases 285
XML data sources 284
XTABLES 287