Index

3D Real-Time Reconstruction 321, 323, 335

A
Abduction 52
Abductive Analogical Reasoning (AAR) 53
Access Control 137
Accountability 190
Adaptable Business Services 98, 104
Agent-Based Modeling 62
Agent-Based Simulation 71
Agents 283
Akaike Information Criterion (AIC) 68
Algorithm 341, 344
Analogical Thinking 47
Analogy 47
Artificial Intelligence 11
Autonomous Agents 11, 276-277, 282
Autonomous Nano Technology Swarm (ANTS) 12

B
Bayesian Network 68
Blogs - See Weblogs.
Business Motivation Model (BMM) 102
Business Process Management (BPM) 189
Business Rule Architecture 193
Business Service Modeling 107
Business Service Profile 98
Business-to-Business (B2B) 16
Business-to-Customer (B2C) 19
Business Web Services 164

C
Chance Discovery 44
ciSAM 225
Classes - See Concepts.
Cognitive Structure Modeling 68

D
Collaboration 22
Collaborative Knowledge Creation and Sharing 220-222, 239
Collaborative Tagging - See Social Tagging.
Collective Intelligence 175, 220, 305, 314
Collective Intelligence (CI) 2
Community Deliberation 226
Community of Interest (CoI) 175, 300, 302, 311
Community of Practice (CoP) 175, 177, 311
Concepts 136
Consensus Building 220, 236
Content Quality 220-221, 226, 233, 237
Context 92
Context-Based, Service-Oriented Modeling and Analysis (CSMA) 91, 95
Credential 127
Customer Relationship Management (CRM) 30, 191
Customer Satisfaction 57, 68, 242, 249, 253, 255

E
Economic Models 206-207, 218
e-Health 300-301, 304, 312, 317
Emergent Optimization 282
Enactment 17, 25
Enforcement 26
Enterprise Analysis 102
Environmental Impact Assessment 206

Data and Knowledge Management 300
Digital Ecosystem 258, 264-268, 272-273
Digital Identity 119
Distributed Evolutionary Computing (DEC) 258, 263-267, 272-273
Distributed Intelligence 206, 208, 218, 273
Distributed Training Engine 211

Economic Models 206-207, 218
e-Health 300-301, 304, 312, 317
Emergent Optimization 282
Enactment 17, 25
Enforcement 26
Enterprise Analysis 102
Environmental Impact Assessment 206
Index

e-Service 16
Event-Condition-Action (ECA) Rules 19, 23, 195
Evolution 263, 314
Exception Detection 26
Exception Handling 23

F
Flexibility 95, 189
Folksonomy 177
Free Tagging - See Social Tagging.
Fusion Server 325
Future Positions 340

G
Grid Nodes 277, 282

I
Identity Metasystem 120
Information and Communication Technology (ICT) 3
Information Retrieval 9
Information Sharing 37, 241-245, 253
Information Sharing System (ISS) 244
Information Technology (IT) 76
Innovation 50
Input-Output Tables 206, 218
Instant Messaging (IM) 81
Insurance Models 161
Integer Programming (IP) 159
Intelligent Transport Systems 10
Internet Relay Chat (IRC) 81
Interpolation Search B-Tree (ISB-Tree) 343

K
Knowledge Design 314
Knowledge Rule Architecture 193

L
Laws of Indentity 120
LBT Index 342

M
Machine Learning 56, 73, 206-211, 215, 218
Matrix Estimation 206, 218-219
Meta-Modeling 24
Model-Driven Architecture (MDA) 92, 97
Monolithic Architecture 191
Multi-Agent Systems 14, 60, 258-259
Multimedia Sensor Network 337

N
Natural Language Analysis (NLA) 53
Network Connectivity 302

O
OASIS 93
Ontology 152
Ontology Engineering 10
Open-World 276-278, 298
Optimization 280
Orchestration 191, 195

P
Parallel Optimization 212, 218
Peer to Participate 300-301
Peer-to-Peer (P2P) 301
People Search Service 176, 181
Perceived Ease of Use (PEOU) 77
Perceived Usefulness (PU) 77
Point-of-Sale (POS) System 241, 243
Policy Propagation 138
Process Automation 191
Process Orchestration Architecture 195
Profit 166

Q
Quality of Service (QoS) 31, 158
Query Rewriting 142

R
Range Queries 340, 356
Relationship Management 19, 30
Requirement Engineering 16, 25
Restaurant Service 243
Role-Based Policies 153
Rule-Based Policies 153

S
Scalability 350, 356
Scientific Community Metaphor 3
Search Based Software Engineering 11
Semantic Argumentation 220-223, 225, 236-237, 239
Semantic Argumentation Model (SAM) 222
Semantic Web 1, 136, 263
Service Composition 166
Service Engineering 241
Service Industry 58
Service-Oriented Architecture Framework (SOAF) 93
Service-Oriented Architecture (SOA) 20-21, 90, 116, 158, 189, 260
Service-Oriented Enterprise 187-188
Service-Oriented Modeling and Architecture (SOMA) 93
Services 259
Single Dimensional Modeling 294
Small and Medium Sized Enterprise (SME) 265
Social Bookmarking 178
Social Network 175
Social Tagging 177
Social Web 1
Software-as-a-Service (SaaS) 157
Software Engineering 11
Space Exploration 12
Spatio-Temporal Algorithm 210
Stream Data Sources 276
Stream Grid 279, 291
STRIPES Index 342
Swarm Intelligence (SI) 4
System Architecture 208, 324

T
Technology Acceptance Model 77
TPR-Tree 341
Trust Management 122
Trust Management System Implementation 130

U
Unified Modeling Language (UML) 16-17, 98, 200
Universal Description, Discovery and Integration (UDDI) 261
User Request Length 268
User Request Modularity 268-269

V
Value Creation 61
Value Distribution 340, 343, 349
Value Sensing 43
Vascillation 48
Vector Space Model (VSM) 178
Velocity 340, 342-343, 349, 353
Video Capture Device 324
Video Sensors 321-323
Video Surveillance 321-323, 336-337

W
Web 2.0 177
Weblogs 78
Web Ontology Language (OWL) 137
Web Search Service 175
Web Service Orchestration (WSO) 196
Web Services 32
Web Technologies 158
Wireless Sensor Network (WSN) 321
Workflow Management (WFM) 189