# Index

**A**

- acquired knowledge 118
- annotation 144
- annotation tier 154
- answer-closed 200
- application programming interface 71
- archetype definition language (ADL) 282
- ARTEMIS project 235, 250, 284, 299
- artificial intelligence 2, 98, 100
- Association for Information Systems 228

**B**

- backward chaining 201
- blocking variables 239
- bookmark 127
- browser 22, 35, 73, 126, 310
- browsing tool 124
- bureaucrat-centric administration 30

- business-to-business (B2B) 63, 222
- business object ontology 114

**C**

- chaining 201
- citizen-centric administration 30
- citizen-centric democracy 30
- class 98
- clinical statement model 263
- cognitive engineering 105
- communication 23, 66, 89, 101, 223, 235, 244
- computational linguistics 2
- computer science 103
- concept-in-context methodology 39
- concept browser 28
- conceptual calibration 41
- conceptual modeling 27, 31
- conceptual Web 29
consumer-centric business model 30
context description framework 69
control numbers 234, 237, 250
Conzilla 22, 36, 49
Conzilla2 36

**D**
database theory 198
data protection 248
data replication 62
data synchronization 62
description logic (DL) 1, 10, 103, 125, 130, 162, 219
design principles 193
dILIGENT 112
display 133
doctor-centric health care 30
DOLCE 105

**E**
e-administration 36
e-business 214, 224, 228
e-chain 223
e-commerce 23, 36, 222
e-government 227
e-learning 36
e-mail 73, 127
e-marketplace 226
E-MELD project 144
Eclipse 131
ing tool 124
Edutella 27
EHR functional model 264
ELAN 142
electronic data interchange 222, 285
electronic health care records 234-236, 280
encryption 239, 243
terprise application integration 63
terprise resource planning (ERP) 90, 222
tity relationship diagram 79
ethical e-commerce 49
Euzenat 164
explicit mapping 76

**F**
extensible markup language (XML) 63, 75, 85, 129, 145, 218, 285
extracting 62

**G**
general adaptation framework 61, 70, 89
genetic testing 255
genotype model 257, 262
global understanding environment 64
GOLD 142, 148, 156
government-centric democracy 30
Greenpeace 50

**H**
healthcare 227, 280
heterogeneous data 1
Hewlett-Packard 229
hierarchical message description 261
human Semantic Web 22, 29, 36, 52
hypertextual navigation 126, 137

**I**
imports 133
industrial resources 61, 65, 93
information age 23
information extraction 2
information retrieval 2
information systems 10, 99, 214, 228, 235, 280
integration 62
ntelligent agent 214, 221, 230
ntelligent software agent 217
nteraction 101
nternet 23, 73, 126, 222, 285
nteroperability 61

**J**
Java theorem prover (JTP) 297
## K
- knowledge 2, 15, 22, 24, 40, 46, 62, 100, 114, 125, 171, 192, 216
- knowledge cartographer 29
- knowledge coach 29
- knowledge composer 29
- knowledge distribution 243
- knowledge exchange 100
- knowledge interchange format (KIF) 292
- knowledge librarian 29
- knowledge management 23, 98, 216, 221
- knowledge manifold 27
- knowledge mentor 29
- knowledge plumber 29
- knowledge preacher 29
- knowledge pull 22, 24, 52
- knowledge push 22, 24, 30
- knowledge representation 2, 217

## L
- language 33, 104, 124, 141, 145, 162
- language engineering 140
- language profile 152
- layered model 161
- learner-centric education 30
- linguistic multimedia data 140, 158
- Lisp language 168

## M
- machine learning 65
- magnetic resonance imaging (MRI) 235
- maintenance agent 65
- memory 197
- message exchange 244
- metadata 25, 30, 50, 69, 136, 191, 220
- Methontology 107
- multilingual domain ontology 111
- multimedia annotator 140, 148

## N
- National Health Service 260
- natural language interface generator 114
- natural language processing 100
- navigation 14, 236, 133, 145
- negotiation 101
- Negozilla 50
- networking 68

## O
- On-To-Knowledge project 106
- OntoELAN 141, 145, 155
- ontology 162
- ontology creation 98
- ontology language 124
- ontology mapping 291
- ontology translation 161, 163
- OntoMorph 184
- openEHR 288
- OWL 124, 145, 166, 191

## P
- patient-centric health care 30
- patient consent 248
- patient identification 234
- pattern queries 196
- personalized learning 24
- pragmatics 164
- producer-centric model 30
- project management 108
- Protégé 103, 143
- Protégé-2000 166
- public key infrastructure 249

## Q
- query language 190

## R
- record linkage server 244
- recursion 202
- replication 62
- RossettaNet 219

## S
- search engine 195
- self diagnostics 62
- self monitoring 61
- semantic annotation 234
- semantic coexistence 27
- semantic collaboration 27, 41
semantic e-business 214
semantic interoperability 279
semantic isolation 26
semantic mapping 26
semantics 164
Semantic Web 1, 25, 62, 99, 128, 140, 190, 214
Shakespeare 25
shared ontology 76
SmartResource 64
special interest group 228
speech signal 144
splitting 237
stakeholder 49
supply chain management 222, 226
Swoop 124, 131
synchronization 62
syntax 164, 168, 193

T

teacher-centric education 30
telecommunication 99
Topic Map 196
Toronto virtual enterprise (TOVE) 112
transformation 62
Transmorpher 184
trusted third party 244

U

unified language modeling 22, 30-33
unified modeling language 22, 32
universal resource indicator 125

V

value added network 285
video signal 144
virtual private network 236
visual syntax 195

W

Web browser 81
Web ontology language (OWL) 219, 240, 281
Web query language 190
Web service message 279, 288
Web services 61
Web services execution environment 103
Web Site 132
World Wide Web 38
World Wide Web Consortium 230
World Wide Web Consortium (W3C) 125

X

XML 63, 75, 85, 129, 145, 218, 285
XPath 196