

Index

A

abduction 35, 112, 116
abductive reasoning 36
ACI (Automobile Club d'Italia) 125
 human resources 131
 offices 130
action 25, 26
activity theory 71
actor network theory 69
ad hoc theory 106
agent
 -based
 computer model 297
 model 296
 simulation model 295
 system 261, 294
 -builder 262
 of change 227, 229
aggregation 149, 215, 220
ambiguity 15, 24, 32, 66, 162, 163
 of adaptation 66
 of history 66
 of implementation 66
anxiety 24, 38

apparatus of persistence
 48, 49, 64, 66, 74
approximate reasoning 166, 169
archive 77
argument analysis 148, 149
argumentation 149, 153
artifact 48, 66, 76, 77, 95, 105, 106, 107, 217, 220
 -action cycle 66
artifacts par excellence 79
artificial intelligence (AI) 8
authority 44, 46
autonomy 6, 8

B

background 86
behavior 4
behaviorism 27
belief system 65, 147
bureaucracy 77

C

capability maturity model (CMM) 223
causal map 207

cause-node 200
 change 33, 50, 52, 229
 claim 149, 151, 202
 clockwork organization 5, 6
 cognitive
 bias 253
 map 148, 154, 207
 mapping 255
 organization 6, 7, 12
 worker 5, 39
 Cognitivism 27
 coherence 94
 collective
 action 46, 47, 58, 60, 70
 construction 85
 identity 47, 50
 learning 37
 memory 56, 60
 representation 86, 87
 competence-based HRM system 129
 competency trap 72
 complexity 24, 25, 111, 164, 167, 261
 composition of individual actions 58, 63
 computing with words 166
 conflict 49, 52, 74, 78
 consensus 84
 content analysis 140, 153, 256
 continuity 45, 46, 48, 72, 75
 of organizational 74
 contradiction 59, 94
 control 48, 50
 conventions 87, 89
 creativity 7, 12
 critical incident 146, 147
 culture 57, 58
 customer tree 277, 279

D

data 226, 227, 231, 232
 decision 5, 10, 14
 support system (DSS) 217, 257
 deduction 35, 36
 defensive 52
 delegation 46, 55
 dematerialization 2
 digital literacy 205, 267

discourse 30, 34, 94, 95, 101, 104,
 107, 139, 140, 148, 153, 173
 distancing 227
 double bind 65, 72
 dual truth model 178, 185, 189, 276

E

effect-nodes 200
 efficiency 77
 emergence 33
 enactment 97, 102
 espoused theory 64
 of action 49
 ethnographic methods 255
 evaluation 17, 21, 114, 115
 experience 95, 103, 138
 experiment 228
 expert system 196
 explanation 18, 33, 36, 95, 96, 141
 , 144
 explanatory
 discourse 24, 34, 104, 107, 108
 speech 113, 114
 externalization 103

F

form 42, 44
 formal approach 32
 formalization 51, 54
 framing questions 142
 fuzzy
 literature 193
 logic 169, 172, 193, 257, 265
 model 170, 203
 quantifiers 172, 173
 set 169, 170
 system 193
 verbal models 269

G

genetic
 algorithms 260, 266
 patrimony 260
 Goguen fuzzy ply operator 274
 governing artifacts 76
 graphic methods 255

grey knowledge 17, 79, 104, 107, 137
group tree 277

H

habit 77, 85, 89
heuristics 256, 257
hierarchy 43, 46
human
 language 289
 resources (HR) 126

I

identification 136, 139
identity 72, 74, 76
imprecision 179
incoherence 72
incoherent
 behavior 114
incomplete information 258
individual actions 57, 64
information
 processing 253
 technology (IT) 2
input 226, 231
inquiry 229
instrument 63, 69, 111
intelligent machine 4, 5
interaction 228
internalization 103
interpretation 4, 15, 33, 34, 37, 72, 76,
 86, 107, 117, 226, 227, 231
interpretative
 approach 141, 227, 234
 research 255
interpretive
 systems 243
interview 141, 142, 153, 154, 211, 212
 protocol 141
 techniques 147
investigator 229, 236
involvement 227, 229

J

justification 153

K

knotting model 134
knowing organization 14, 15
knowledge 14, 15, 16, 79, 85, 89, 9
 9, 100, 229, 231
 analysis 209
 base 210, 217
 creation 8, 9, 12, 14, 15
 elicitation 209, 221
 engineering 255, 264
 management (KM)
 1, 7, 12, 17, 206, 209
 mapping 209
 sharing 220, 221
 work 5, 6
 worker 5, 6
Kosko's algorithm 202

L

language 31, 32, 94, 101, 108, 111
learning 2, 18, 33, 34, 52, 97, 98,
 261
 anxiety 239
life cycle 207
 model 207, 208, 219
linguistic
 decision analysis (LDA) 167
 information 172, 174, 189, 191
 variables 195
logic 2, 3, 15, 16, 95, 96, 149, 150,
 156, 157
logical mode 167

M

machine 2, 3, 159, 175
map 58, 61, 105, 148, 151, 197, 198
mapping 117
meaning 85
memory 18, 26, 31, 72, 73, 89, 98,
 153, 158, 206, 207
mental model 141, 223
MEP (Memory-Experience-Plan) model
 18, 117, 121, 123, 125, 129,
 209, 217

merging 210, 212
 metaphor 5, 12
 minimum web of interaction 210, 211
 model 64, 66, 105, 107
 modeling 149, 156
 multi-person 173

N

narrative methods 256
 natural language 113, 179, 182
 neural networks 259
 nonquantifiable information 258
 norms 49, 51, 85

O

objectivation 95
 order 7, 15, 43, 50, 86, 92
 organization 4, 5, 42, 43, 78, 160
 organizational
 action 32, 43, 46, 51, 57, 58, 72, 74
 culture 58, 67, 68
 identity 72, 84
 learning 17, 63, 67, 70, 80, 89, 100,
 102, 137, 206, 210, 229, 233
 paradox 208
 memory 18, 56, 58, 70, 72, 77, 79,
 87, 89, 113, 128, 137, 138, 208
 , 217
 construction 121
 organizing 73, 241, 243

P

paradox 2, 28, 30, 39, 62, 67, 72, 73,
 94, 208
 par excellence 61
 persistence 46, 47, 50, 51, 57, 65, 84,
 85, 106
 positivist approach 227
 post-Taylorist organization 100
 power 32, 38, 46, 47, 50
 private memory 128
 problem
 framing 215
 solving 118
 procedures 45, 52

proposition 94, 96
 prototyping model 223
 Public Register of Motor Vehicles (PRA)
 125

Q

qualifier 150, 151, 166, 168, 195
 qualitative methodologies 296
 qualitative research
 140, 146, 153, 157, 233
 quantitative methodologies 296

R

raw data 97
 reasoning 33, 34, 110, 113, 115, 116,
 150, 157
 regularity 70
 representation 9, 15, 62, 110, 139, 140,
 207, 214
 reproducibility of an action 45
 research 229
 resource 123, 124
 retention 65, 97, 98
 phase 98
 rhetoric 114, 115, 149, 154
 routine 33, 45, 72, 76, 86, 87, 89
 rule 115, 145, 150, 151, 198
 rules and tools 47, 48

S

‘space’ approach 32
 schema 91
 script 76, 86, 88, 91
 selection 97
 sense 83, 86
 sense-making 14, 15, 83, 97, 98
 serendipity 249
 shared
 beliefs 64
 knowledge 89
 meanings 85
 reality 86
 slack 248
 social
 -organizational artifacts 60
 action 44, 50, 62, 73

- artifacts 95
- consent 89
- construction 80, 85, 90, 94, 99, 100, 117
 - of reality 85, 90
- constructions 243
- intelligence 299, 313
- network 294
- responsiveness 299
- socialization 103
- SODA method 255
- soft computing 257, 266
- software development 207
- stability 84
- stabilization 86
- standard operational program 91
- structure 3, 5, 43, 45, 90, 91
- supporting artifacts 75
- Symbolic worker 5
- symbols 61, 63

T

- 'time' approach 32
- tacit knowledge 100, 102
- tension 31, 35, 57, 68, 72, 74
- text 95, 101, 153, 154
- theoretical
 - nature 258
- theory 5, 14
 - of action 37, 39, 49, 57, 95, 106, 233
- tool 57, 69, 108, 115
- truth 94, 188, 191
- typification 88, 89

U

- Umberto Eco 78
- uncertainty 24
- understanding 10, 119
- Unobtainable information 258

V

- vagueness 31, 179, 180
- validation 149, 156
- values 58, 64, 145

- verbal
 - evaluation 186
 - judgment 168
 - model 160, 161, 162, 166, 167, 195, 196
- virtual
 - environment 294
 - people 294
- voice of customer (VOC) 267, 268
 - analysis 267

W

- warrant 150, 151
- weak signal 85, 114
- Weick 14
- what-if analysis 257
- work 4, 6, 79, 80
 - situation 122, 123, 139, 145