Legal theory, sources of law and the semantic web

Boer, A.

DOI
10.3233/978-1-60750-003-2-i

Publication date
2009

Citation for published version (APA):
Index

abducible, 43, 50
abduction, 42
ability, 134, 137
abox, 67
abstraction, 37, 54, 203, 257
action, 41, 83, 96, 99, 128
actor, 244
adequate, 19
ADL, 246
administrative burden, 15, 60
adversarial, 17, 50
affirmation, 251
affirmation of a permission, 208
affirmation of an imperative, 208, 242
agency, 123
agent, 114, 134, 136, 137, 219, 242, 244
agent causation, 125
agent role, 271
Akoma Ntoso, 166
allowed, 117, 121, 209, 233, 256
also-applicability, 161, 193
ampliative reasoning, 37, 42, 58, 74
applicability, 160
applicability rule, 252, 268
argument, 66, 75
argumentation, 48
ascription, 46
assertion, 67
assumption, 27, 28, 43
  closed world, 28
closure, 72
compliance is normal, 28
deadline, 83
disjointness of universals and particulars, 69, 77
frame, 28, 79, 83
knowledge availability, 42, 49, 79
open world, 64, 70, 72, 108
rationality, 25
shared mental world, 36
single fault, 30
unique names, 70
assumption of closure, 72
attempt, 127
autoepistemic, 42
auxiliary fact, 164
auxiliary proposition, 149
auxiliary rule, 163
axis of reference, 198
backing, 80, 150
belief, 47
belief base, 65, 77, 84
belief base revision, 66
belief revision, 65, 228
belief set, 65
best explanation, 42
better, 118
betterness, 83, 219, 240
bibliographic citation, 173
bibliographic expression, 173
bibliographic item, 173
bibliographic manifestation, 173
bibliographic object, 173
bibliographic work, 173
bisimulation, 37, 241
bring about, 129
brute fact, 93
brute reality, 93, 106, 251
burden of proof, 108, 156, 158, 212
business process, 246
case, 29
case description, 248
case law, 251

ceteris paribus preference, 221
choice, 43
choice rule, 164 258 268
citation, 285
claim, 48
closed world assumption, 28 73
cognition, 258
coherent, 34

collective, 92
collective entity, 142
combinative preference, 242

comparison theory, 198
competence, 101 134
complete, 19
compliance conflict, 201 205 207 210
compliance dilemma, 238
computational legal theory, 35
concept, 33 68
conflict, 211
contest, 211
disaffirmation of a permission, 205
disaffirmation of an imperative, 205
disallowed, 117 122 209 233 256
disjointness, 39
disjointness of universals and particulars assumption, 69
dispositional beliefs, 65
domain, 22
double jeopardy, 231
doxastic, 25 46 50
doxastic voluntarism, 46 60
duty, 139
duty conditional on violation, 216
dynamic modal logic, 84
eGovernment, 15 16

epistemic, 32
epistemological, 32
epistemological gap, 29, 81
epistemology, 7, 31, 40
equality of conditions, 114
evaluative, 116, 250
evaluative concept, 255
event, 83
event calculus, 83, 128
everyone, 142
ex ante, 47, 83, 255
ex post, 47, 83, 255
ex post facto, 153
ex tunc, 154, 169, 180, 193
exclusionary preference, 242
exclusive jurisdiction, 166
exophoric proform expression, 184
expectation, 109, 110, 114, 132, 136
expected utility, 45
expected utility hypothesis, 45, 242
explanation, 45, 48, 75
explanatory power, 43
explicit disaffirmation, 207
explicit knowledge, 16
expressiveness, 19
extension, 20
externalism, 25, 46
factor, 199, 249, 250, 257
falsifiability, 26
feature engineering, 24
fidelity, 20, 52
first representation, 189, 266
fluent, 83, 128
folk psychology, 25, 82
formal act, 102
frame assumption, 28, 83
FRBR, 82, 190
function, 114
Functional Ontology of Law, 134
Functional Requirements for Bibliographic Records, 82
generic case, 210, 250
granularity, 36, 83
ground facts, 73
Grundnorm, 90
hierarchical task network, 98
Hoare logic, 84
Hohfeld, 137, 243
homonymy, 35
horizontal equity, 255
human-based computation, 49
hybrid, 72
hypothesis, 21, 42, 43
hypothetical object, 78
I-intention, 95, 245
I-preference, 245
imitation, 245
immunity, 141
imperium, 164
impossible to realize, 209
impotence, 138, 141
incision function, 66, 78, 233, 235
inclusion, 186
incompetence, 138, 141
indicative rule, 156
individual, 67
individuals, 84
inference, 23, 42
information, 34, 49
initiation, 83
institution, 89, 92, 265
institutional reality, 90, 93, 106
institutional rule, 93, 267
intended normative order, 88
intension, 21
intensional semantics, 21
intent, 156
intention, 92, 94, 96, 124, 130, 137, 153, 162, 197, 259
intention entrenchment, 44
intentional stance, 21
intentional thing, 21, 82
intercoder reliability, 191
interest, 136
internalism, 46
intersection conflict, 206, 234, 235, 259
introspection, 21, 76
isomorphism, 7, 19, 20, 29, 54, 81, 185, 188
item, 151, 178
jointly realizable, 205
judicial review, 193
jural opposite, 137
jural relationship, 137, 139
jurisdiction, 164
jurisprudence, 248
jurisprudence constante, 248
justification, 48
KBS, 14, 23, 34, 36, 41, 49, 73, 78, 108
know-how, 40
know-why, 40
knowledge acquisition, 198
knowledge as a productive factor, 29, 30
knowledge as the attainment of truth, 29
knowledge base, 17, 18, 67
knowledge based systems, 14
knowledge component, 28, 65
knowledge domain, 32
knowledge level hypothesis, 25
knowledge representation, 17
knowledge representation language, 18
knowledge source, 64, 65
knowledge syndication, 29, 61
legal act, 100, 232
legal fact, 100, 105, 188
legal fiction, 161, 193
legal knowledge based system, 15
legal knowledge engineering, 16
legal ontology, 36, 100, 254
legal planning, 279
legal pluralism, 4
legal rule, 100, 188, 248, 260
legal writing, 80
legally relevant, 148
legislation, 88
legislative act, 102
legislative drafting, 125
legislative resource, 80
legislative supremacy, 193
legislator, 101, 113, 122, 125, 163
legitimate expectation, 136
lex posterior, 149, 189, 229
lex specialis, 149, 229, 233, 251
lex superior, 149, 229
liability, 141
LKBS, 15, 29, 78, 156, 158, 188, 191, 199
LKIF, 79, 150, 200, 217, 235, 282
logic, 19
logical nonmonotonicity, 229
man on the Clapham Omnibus, 127
mandate, 164
meaning, 22
measurement theory, 198
mens rea, 47
mental object, 247
mental things, 20, 25
merging concepts, 192
metadata, 61, 149, 151, 167
metalegal knowledge, 135
MetaLex, 82, 149, 150, 152, 166, 173, 248, 252, 264, 282
metaphor, 35, 36
methodological priority of ex ante intention over ex post intention, 96
metonymy, 35
mimetic theory, 245
minimal explanation, 43
minimal model, 75
minimality, 59
model, 72
monotonic, 19
monotonicity, 19, 64
motivating indifference, 241
motivating preference, 219, 241
naive physics, 82
namespace, 62, 67
ne bis in idem, 208, 231, 254
negation as failure, 73
negative causation, 128, 132
no-dilemma assumption, 222
nominal, 68
nonmonotonicity, 19
norm, 26, 91, 109, 218, 240
norm of analysis, 113, 242, 249, 255
norm qua qualification, 203
normality, 100, 109
normative conditional, 128
normative conflict, 203, 258
normative order, 54, 109
normative position, 133
normative proposition, 26
normative rule, 89, 112, 116, 118, 162, 200, 258, 268, 269
normative statement, 26
normativity, 109
Norme in Rete, 166
nothing, 21
nulla poena sine lege, 153
obligation, 90, 115, 122, 124, 129, 140
occurrent beliefs, 65
ontic, 32
ontological, 86
ontological commitment, 250
ontological commitments, 22
ontological distinction principle, 39
ontological stratification, 36, 53, 86
ontology, 7, 23, 32
ontology integration, 254
open texture, 22
operational semantics, 20
opinio iuris, 251
opposite, 210
ought-to-be, 124
ought-to-do, 124
OWL, 4, 47, 64, 67
OWL DL, 7, 20, 67
participatory sovereignty, 193
participant, 106
patient, 243
PDDL, 246
perfect fidelity, 21
perfect refinement, 37
period, 129
permission, 90, 115, 123, 140
personal construct, 198
physical things, 20
plan, 96
plan execution, 97, 277
plan recognition, 88
planning, 88, 98
polysemy, 35
postdiction, 47
potestative right, 101, 137, 140, 142
potestative square, 138
power, 101, 133, 134, 141
prediction, 47
preference, 44, 45, 83, 91, 97, 110, 115, 119, 136, 137, 218
preference independence, 242
preference logic, 119
preference theory, 218, 241
prime implicates, 66, 208, 210
primum comparandum, 198
principle of rationality, 25
privilege, 140
problem solving, 14, 40, 52
problem solving competence, 23, 28, 32
problem solving method, 28, 42, 155
problem type, 28
prohibition, 90, 115, 122
proof tree, 50
proposition, 65
propositional attitude, 65
prospect theory, 110
prototype, 37, 246
psychological geometry, 198
punishment, 116
query language, 72
rational choice theory, 46
RDF, 62
reaction, 134
reactive knowledge, 134
realizability, 205
reasoning as process, 84
reduction, 37
reductionism, 36
reference, 266
reference transaction, 110, 111
reflexivity, 219
regime, 253
reflexification, 47
repertory grid, 120
representation, 266

requirement, 252
resource, 63
restorative justice, 135
retroactive applicability, 153
reusability, 29
revealed preference, 221, 240
rhetoric, 51
rhetorical comparison, 198
rhetorical hierarchy, 51
right, 139, 141
role, 91, 125
rule, 248

scalability, 27
scale, 198
schema, 33
script, 100, 111, 139, 243, 245
secundum comparatum, 198
self, 246
Semantic Web, 15, 29, 60
settled context, 207, 212, 224
settled model, 78
shared jurisdiction, 165
sichttag, 154, 169
silent, 117, 209
simile, 198
simulation, 37
simulation theory approach to the mind, 97
single fault assumption, 30
situated action, 29
situation, 128, 131
skeletal plan, 112
skill, 29
social, 92, 265
social role, 113
soundness, 19
source of law, 16, 80, 150, 264
sources of law, 27
spatial planning, 82
speech act, 47
stance, 36
stare decisis, 14, 231, 247
stare dictis, 248
stare rationibus decidenti, 248

state, 128
state of obligation, 117, 133
stative, 134
status quo bias, 110
stichtag, 154, 169
stratum, 38
strengthening the antecedent, 212, 226
STRIPS, 246
strong permission, 201, 209
subdelegation, 164
subjective norm, 246
subjunctive betterness, 118, 119, 198, 255
submandate, 164
surrogate, 20
synecdoche, 35
tacit knowledge, 16, 29, 81
TBox, 219
tbox, 67
temporal nonmonotonicity, 229
term, 83, 188, 266
termination, 83
terminological subsumption, 34, 37
terminology, 33
tertium comparationis, 198
theft, 116
top ontology, 82
tractable, 19
trichotomy, 221

uniform resource identifier, 7, 61
uniform resource locator, 174
unintended but goal-directed behaviour, 99
unique bibliographic identifier, 173
unique name assumption, 58, 73
unique names assumption, 70
URI, 7, 61
URI reference, 62
utility theory, 43, 110
validity, 19
victim, 135
violation, 115 122 133
we-intention, 95 245
we-preference, 245
weak permission, 201 209
weakening the consequent, 226
Web Ontology Language, 64

xml base, 178 190

zeugma, 35