Index

3D ellipsoid model 557, 562

A

Abebe Bikila 126, 134-135
abstraction 90-91, 103, 161, 692-694
accentuation effect 76
Action Role Playing Game (ARPG) 531-532
Actor Network Theory (ANT) 153, 582, 584
ad hoc rule 124
adult attachment style 227
advertising agencies 148
affecting mode 317-318, 321, 328-331, 336-338, 342
agency 14, 60, 62-63, 94, 137, 144, 148, 151-153, 156, 162-163, 167, 178-179, 344, 536, 542, 582, 589, 591, 610-611, 625, 631, 634, 684, 727, 729-730, 738
agential realism 54
A.I. Artificial Intelligence 666-667, 674, 676, 678
AIBOcom 315-318, 321-322, 327, 336, 338, 342
alienation 93-94, 103, 128, 131, 162, 295-296
ancestor worship 309, 319
android 123, 126-127, 135, 620, 627, 633, 680-681, 683-687, 689, 691, 693-694, 697, 699-702
animal-assisted activities (AAA) 595
animal-assisted therapies (AAT) 595
animism 596, 608, 680-683, 688, 691-692, 695, 700-702
anonymity 28, 32
anthropomorphism 19, 57, 269, 620, 625, 631, 680, 687, 692, 694-695, 700
Arab Spring 149, 154
aristeia 532-534, 538, 547
Aristotle's Rhetoric 71
  ethos 71, 74, 80, 532, 618
  logos 68, 71, 162, 314
  pathos 71, 618
artificial immune system (AIS) 711
artificial intelligence (AI) 2, 12, 717
assistive technology 231, 234, 251-252, 337-342, 345, 347-355, 357-358
athletes as connectors 426
athletes as dedicated workers 419, 425
athletes as everyday people 419, 425, 429
athletes as information seekers 419, 425, 429
athletes as motivators 419, 425, 428
athletes as pop culture consumers 419, 425, 427
athletes as sports fans 419, 425, 427
audio and video (AV) 318
autism spectrum disorder (ASD) 601
automated 555
Autonomous Robot Manipulation (ARM) 612
Avatar 4-5, 21, 24, 34, 38-40, 44, 108, 127, 133, 166, 255-264, 267-271, 291, 308-317, 319-320, 322-323, 326-332, 334, 336, 341, 444, 541, 687, 689, 691, 705-706

B

Battlefield Extraction-Assist Robot (BEAR) 611
bias 140
Bicentennial Man 666-667, 674-677
Big Syster 711-712, 719
Blade Runner 4, 666-667, 674-676, 678-679, 700
blogging communities (BCs) 157
body language 151, 168, 173, 211, 462, 554-558, 563-564, 566, 568, 570, 573
body part segmentation 557, 562, 566, 570
born free 80, 90, 96
brain interfaces (BCI) 581
brain-machine interface (BMI) 728
Bureau of Alcohol, Tobacco, Firearms, and Explosives (ATF) 610

C

Call of Duty (CoD) 536
cartesianism 170, 174, 356

CeNSE 711
chemical, biological, radiological, and nuclear (CBRN) 610, 615
chronos 48
classification 86-87, 89-91, 95, 99, 103-104, 155, 162, 187, 247, 252, 254, 438, 554-555, 557-558, 560, 562-567, 569-570, 581
combat 532
Combat Search and Rescue (CSAR) 625
communal sharing 614, 626
Communication Science (CS) 85, 103
communication theory of identity (CTI) 421
communities of practice (CofP) 185
computationalism 159-162, 165, 167, 170-171, 174
computer-mediated communication (CMC) 10, 73, 421
Computers As Social Actors (CASA) 624
concreteness 90-91, 103
connectomapping 712-713, 719
constructed unmediation 46
content 8, 13, 23, 30, 35-36, 39-40, 65, 73-74, 78, 83, 87, 91-95, 103, 133, 142, 147, 151, 171, 185, 190, 192, 197-198, 200-203, 218, 220, 225, 228, 233, 241-243, 247, 250, 262, 264, 266, 269, 276, 294, 325, 339, 354, 420-421, 434-435, 444-445, 447, 449, 454, 457-460, 462-463, 465-469, 471, 473, 543, 555, 575, 591, 600-601, 714
context 5-6, 18, 31, 36, 40, 42, 51, 54, 60-62, 64-65, 67-77, 79-86, 88, 91-92, 94-95, 99-100, 102-103, 119, 121, 130, 141, 150, 153-156, 159-160, 170, 173, 175, 177, 179, 181-183, 192, 196, 198, 222, 237, 240-241, 243, 256, 259-262, 265, 270, 291-292, 295, 304, 311, 315, 318, 320, 325, 329, 335, 338-341, 348-349, 351, 355, 357, 443, 450-451, 574-578, 581-583, 590-591, 601, 603-604, 614, 619, 621, 623, 629, 635, 668, 681, 685-686, 689, 693, 701-702, 713, 716, 720-722, 724-725, 727-728, 731-733, 735-736, 741
Copernican Revolution 125, 192
corporeal existence 291
correlational study 227
creative-conductive 93, 103-104
cross-temporal meta-analysis (CTMA) 227
cultivation theory 34
Current Off-The-Shelf (COTS) 613
customization 18, 91-92, 96, 154, 256, 327, 329-331, 463
cyberbioethics 122
cyberbullying 11, 236, 244, 247, 254, 264
cyberconscious 122
cybernetic man 125
cyber-psychologist 108, 117, 119, 122
cyberspace 13, 20, 23, 40-43, 60, 62, 74-75, 150, 152-160, 163-167, 169-170, 173-177, 179, 191, 194-203, 267, 288, 291, 305, 307, 334, 352, 355-356, 536, 550, 705, 709
Cyborg 4, 8, 20, 24, 40, 48-50, 60-62, 108, 120, 123, 126, 173, 197, 200, 333, 574-575, 578-579, 581-582, 584-587, 589, 669, 678, 684, 698-699, 729-730
cyborg anthropology 575, 582, 586, 589

D

data-doubles 153
Davis Nonverbal States Scale (DNSS) 555, 557
death 532, 549, 552
Defense Advanced Research Project Agency (DARPA) 610
Defense's Joint Improvised Explosive Device Defeat Organization (JIEDDO) 610
Defining Issues Test 210, 226
degrees of freedom (DOF) 563
dehumanization 177, 181-183, 186-188, 544, 551, 582, 586, 589
delaunay triangulation 560, 562, 573
Department of Defense (DOD) 610
Design for me 349
dialogical self theory 420, 423-424, 431, 433, 438
diasporic identity 303, 307
digital diaspora 15, 20, 304-305, 307
digital divide 196, 203, 230, 234, 245, 248, 354, 357-358
digitalization 6, 15, 19, 45-59, 62, 450
digital library 247, 317, 629
digital simulacrum 107
digitization 55-56, 58, 77-79, 82, 84, 88-89, 92, 96
dimension 34, 44, 46, 56, 68-69, 73, 90, 92-93, 103-104, 164, 176, 178, 180, 202, 441-442, 453, 456-457, 464, 473, 571, 579-580, 586, 597, 600, 707, 731
disability studies 338-340, 345
disclosure 32
disembodiment 62, 74, 76, 155
dispositional empathy 210, 219, 224, 227
doppelgänger 271, 685, 700
double 685
doxa 160, 166
dynamic developmental perspective 592, 594, 608

E

economic empowerment 195
embodied object 608
embodiment 5, 8, 22, 40, 49, 58, 62, 71, 112, 159, 170-171, 260, 267, 270-271, 333-334, 549, 606, 612, 620, 682, 694, 699, 739
emotional scheme for forum data
concern 30, 46, 54, 58, 70, 115, 118, 139, 169, 192, 201, 210-211, 213-214, 227, 234, 275, 278, 280-281, 286, 343, 349-350, 626, 681, 717, 721-722, 725-727
curiosity 275-281, 286
frustation and anger 275, 283
joy 39, 178, 214, 275, 285-286, 299, 333, 556, 735, 737
pride 127, 129, 178, 243, 275-277, 286, 464, 621
empathic concern 210-211, 227
endogenous 585, 593
engagement 5, 13, 50, 52-53, 137-138, 149-150, 185, 206, 229, 237-238, 242, 244, 256, 259, 271, 286, 315, 318-319, 322-324, 342-343, 355, 430, 467, 542, 552, 556, 572, 593, 595, 600-604, 607, 694, 698
enhancement 1-2, 6, 9, 11-19, 21, 23, 25, 38, 76, 120-121, 126, 128, 175-177, 179-188, 425, 456-457, 464, 717, 720-732, 735-741
Enhancement Technology (HET) 1, 6, 11
EPISTLE 582, 584
equifinality 91, 103
equipotentiality 90, 103
Ernest Becker 531-532, 534, 547, 552
erythropoietin (EPO) 727
exogenous 584
exosystem 212
experimental study 218-219, 227
explanation 29, 34, 72, 85, 90, 103, 114, 157-158, 160-161, 188, 195, 204, 218-219, 453, 557, 681
Explosive Ordnance Disposal (EOD) 609-610, 618, 630, 635
extrospective self 722-724, 741

F

face-to-face (FtF) 37
feminist theory 49, 61-62, 696
First Person Shooter (FPS) 531-532
folk psychology 176-178, 180-181, 183-185, 188
formal learning 456-457, 465-468, 470, 473
Foursquare 449, 455
fragmented self 260-261
frequent responsive interaction 468

G

gameplay 278, 315, 341, 541
Gemeinschaft 156-157
gender equality 195, 201, 203
gender identity 15, 24, 60-63, 76, 82, 109, 114, 121, 246, 269
General Aggression Model (GAM) 35
general-integrative 85, 103
generality 90-91, 103-104
generalized other 70, 73-74, 82-83
General Packet Radio Service (GPRS) 82
Generation Mobile Internet Users (Gen Mobinets) 78, 80
genetic enhancement 186, 726, 739
geographical information systems (GIS) 16, 709
geotagging 16, 706, 709, 719
Gesellschaft 156
Getglue 449, 455
Global Anti-Terrorism Operational Readiness (GA-TOR) 616
global positioning systems (GPS) 16, 709
global village 93, 151, 213
Grand Illusion 163-164, 172, 174

H

habitus 79, 160, 166
hierarchy 62, 84, 90, 94, 103, 141, 161, 423, 465, 669
Hiroshi Ishiguro 17, 23, 582, 680-681, 683, 700
homeland culture 301
homotechnicus 4-6, 24
human-centered computing 316, 318, 320
Human Computer Interaction (HCI) 57
humanhood 180-181, 183-184, 186, 188
human nature (HN) 178, 188
humanness 175-188, 691, 695
Human-Robot Interaction (HRI) 319, 555, 606, 609, 613
human uniqueness (HU) 178, 188
hybrid entities 153
hybridization 307, 582, 589, 591
Hyperpersonal Communication Model 10, 29-30

I

iconic sign 58
identification 257

identity 65
identity capture 259
identity construction 5, 9, 11, 13, 15, 24, 48-49, 60-63, 69, 73, 75, 78, 178, 180, 184-185, 200, 237-238, 240, 243, 254, 268, 273, 293, 295, 307, 336, 451, 668
identity multiplicity 37, 337-338, 343
identity negotiation 75, 349
identity tourism 255, 261
ikai 688
impairment 232, 240-242, 249, 254, 343, 346-347
implicit attitudes test (IAT) 261
impression formation 9, 28, 43, 91-92, 101, 237, 248, 253-254, 270
impression management 28, 42-43, 69-70, 73-74, 76, 101, 168, 202, 440, 442, 444-445, 450, 452-453
stage of collecting and processing 445-446
stage of comparative visualization 445
Improvised Explosive Device (IED) 636
index appeal 38, 40-41, 44-46, 48, 52, 54-55, 58
influence tactics 180, 184-185, 187, 195, 201, 206
informal learning 465-468, 470-471, 473
information communications technologies (ICTs) 12, 723, 741
instant messaging (IM) 464
institutional discourse 188, 192-194, 207
Intellectual Disability (ID) 230
Intellectual Property (IP) 471
interaction order 42-43, 46-47, 52, 56, 59
interdiscursivity 180, 187, 201, 207
International Association of Athletics Federations (IAAF) 123, 729
internet addiction 11, 236, 252
Internet Relay Chat (IRC) 11
intimacy 42, 45, 49-52, 57, 67, 74-75, 85, 93-94, 104, 128-129, 208, 211, 236, 268, 354, 602-603, 698, 708
introspective self 722, 724, 730, 741

J

Julien Offray de la Mettrie 158
Just Doesn't Look Right (JDLR) 610

K

kami 688, 699
key technologies 723, 741
kleos 532-534, 536, 538, 542, 546-547, 552
kleos aphthiton 533-534
kokoro 685, 691, 694, 697

L

legal identity 105-107, 110, 112-113, 115, 117-120
lifelogging 447, 451-452
life review 298, 303-304
liquid identity 465
longitudinal study 228, 619
looking glass self 70, 83
luddism 123, 129-130, 136, 159
lurking 10, 31

M

macrosystem 212
Major League Baseball (MLB) 419-420
man-minus-technology 126
man-plus-technology 126-127
man-technology 126
Marion Jones 127, 134
mass culture 146-147, 155-156
Massively Multiplayer Online Role-Playing Game (MMORPG) 288, 463
materialism 61, 79, 103, 158, 160, 174
mechanism 38, 40, 42, 49, 51, 55, 159-160, 170-171, 174, 324, 338, 431, 447, 458-459, 541, 575-576, 687, 705
media 138
Memolane 447, 454-455
memorial website 316
meta-theoretical 85, 92, 104
microsystem 212
mikake 686
mindclone 22, 105-110, 112-118, 122
mindfile 105, 109, 113, 115, 117, 122
mindreading 309, 320
mindware 10, 19, 105, 108, 113-119, 122, 171
mirroring mode 316, 318, 321-322, 332-334, 336-339, 343
mobiles for development (M4D) 83
mobile social networks (MoSoNets) 77-79, 88, 91-92, 96
moral dilemmas 210
moral reasoning 206, 210, 218
multiboxing 310
multiplex self 309, 320
multi-stability 574, 585, 589
MXit 77-78, 80-93, 95-96
MYMsta 77-78, 80-93, 95-96

N

nanotechnology 2, 12, 167-168, 171, 174, 681, 715, 734, 737-738
nanotechnology, biotechnology, information technology and cognitive science (NBIC) 12
narcissistic personality 209, 222, 225-226, 228
narrative theory 64-65, 71-75, 77, 81, 83
National Basketball Association (NBA) 419-420
National Collegiate Athletic Association (NCAA) 432
National Football League (NFL) 419-420
National Hockey League (NHL) 419-420
networked audience 73, 83
new social media 204-206, 214-217, 219, 228
non-malfeasance 115-116, 118
no-self 93-94, 104

O

online behaviour 229, 235, 244, 254
online commitment 76
online identity 2, 9-11, 15-16, 60, 62-64, 70, 74-76, 82, 158, 170-171, 177, 198, 231, 238, 240-241, 243
online self-disclosure 60, 76
online social-comparison 76
online social networking 220, 460-461, 466, 473
Blog 52-53, 60, 65, 77, 82, 218, 224, 422, 424, 433, 435, 460
MySpace 39, 52, 75, 78, 91-92, 218, 220, 222, 455, 459, 467, 472
Wiki 317-318, 321, 459, 588
YouTube 52, 77-78, 81, 83, 125, 218, 300, 304, 311, 321, 348-349, 455, 459-460, 462, 466-467, 471-472, 588, 707
ontology 19, 45-51, 56-58, 62, 72, 80, 171, 586
operational constructivism 53
oral culture 141, 143, 156
oral societies 139-140
original cultural identity 294-295, 300
original poster (OP) 276
Oscar Pistorius 123, 580, 729, 737-738

P

paganization 310, 318
paradigm 57, 60, 84-86, 89-91, 94-96, 100, 103-104, 125, 128, 130, 133, 154, 170, 174, 206, 330, 436, 575, 589, 624, 626, 629
parallel process 107
parasocial interaction 258, 267, 334, 419, 431, 436, 438
para-tactile interaction 46, 51
partially sighted persons 338
particular-specific 85, 104
performativity 15, 45, 47, 50-53, 55-56, 58-59, 61-62, 594, 685, 692, 695, 698, 701
personal digital assistants (PDAs) 79
personal discourse 188, 193, 207
personhood 42, 180-184, 188, 306, 674, 676, 716-717
perspective taking 211, 227, 259, 331
PHANTOM haptic device 320
player-character 274-283, 285-287, 291-292
Posthuman 4, 19-20, 22, 24, 60, 108, 172, 185-186, 334, 551, 587, 666-669, 673-674, 678, 684, 736-737, 739
power gaming 77, 88, 90-93, 96
power geometries 78, 88-89, 91-93, 96
predictive modeling 17, 706, 708-709, 714, 719
prifecta 709-710, 719
print revolution 138, 140, 142
priorities 14, 25, 94, 104, 575, 725, 731, 733, 735-736
procedural rhetoric 532, 539-542, 552
processes affecting the technoself 723, 727, 741
professional discourse 188, 193, 203-204, 207
professional identity 2, 13, 20, 297-298, 304, 437
proteus effect 5, 23, 255, 259, 262, 270-271, 329-330, 336
Psychosocial Internalization 581, 589
pwning 537-538

Q

Quantified Self 449

R

radical human enhancement 721, 723, 726, 741
rapport 180, 184, 186-187, 191, 193, 199, 201, 204-205, 207, 355, 555, 557, 562, 573, 599
rapport management 180, 187, 191, 199, 205, 207
rationality 50-51, 54, 56, 92, 104, 110, 124, 156, 160, 164-165, 173, 178-179, 181, 183, 188
reactive-repetitive 93, 104
reality mining 16, 706-708, 713, 719
Real Life Test 106, 109-115, 117-118, 122

real, the 13, 29-30, 39, 44-47, 49-58, 63, 73, 81, 109-110, 112-115, 117, 153-156, 161-164, 169, 171, 174-175, 191, 194, 196, 198, 246, 257-259, 262, 273-274, 286-287, 290, 304, 312-313, 319, 322, 333-334, 465, 540, 671, 706, 714
real-time 51, 228, 449, 552, 554-555, 557, 562, 564, 570, 572-573, 707, 710, 713, 719
reauthored 53
reductio ad absurdum 53
Relational Competence Theory (RCT) 84, 104
Relevant Social Groups (RSG) 574, 585, 591
Rene Descartes 8
Repoxygen 727
request e-mail 181, 183-185, 187-188, 196, 200-201, 204
resemblance 41, 58, 93, 103-104, 259, 347, 694
re-tweet 420, 426, 432, 438
robot-assisted remote communication 316, 343
robotic assisted therapy (RAA) 603
robotic pet 595-596, 599-604, 607-608
role-playing 27, 30, 34-35, 39, 44, 256, 261, 288, 290-291, 308, 311, 320, 463, 468

S

Science and Technology Studies (STS) 575
secularization 308, 310, 318, 320
selective social interaction 294
self-categorization theory (SCT) 458
self-directed content generation 468
self-enhancement 67, 76, 225
self-esteem 35, 61, 65, 67, 70-71, 76, 80, 86, 122, 204-210, 212, 218-219, 221-226, 228, 236, 253, 300-301, 304, 437-438, 546-547, 551, 595
selfhood 22, 42, 72, 89, 93, 95, 104, 120-121, 138, 142-143, 152, 695
self-in-relationship 592-595, 602-604, 608
selfishness 93-94, 104
selflessness 42, 93-95, 104
self-presence
    core self-presence 326-330, 336
    extended self-presence 326-331, 336
    proto self-presence 325-329, 336
Self-Presence Questionnaire (SPQ) 327-328, 335
self-presentation 5, 9, 11, 27-31, 33, 35, 37, 40, 43-44, 60, 64-65, 70-71, 74, 78, 80-82, 154, 179, 224, 237, 241-242, 252, 334, 419, 421, 424, 432, 434-435, 438-440, 442-448, 450-454
self-realization 128, 135, 257
self-transformation 129
Shakey the Robot 164, 172
singularity 24, 119-120, 123, 127, 132, 135-136, 160, 162-163, 166-170, 172, 174, 587, 698, 715-716, 718-719, 725, 737
social applications 17, 93, 439-440, 442-443, 445-450, 454
social body 158
Social identity model of deindividuation effects (SIDE) 28
social information 69, 102, 215, 439-440, 443-446, 449-450, 456, 461
social learning 156, 184-185, 266, 456-457, 463-467, 470-471
    intrinsic reinforcement 464
    learn through observation 464
social mask 64, 70, 74-76, 83
social mediator 315, 317-318, 343, 604
social networking site (SNS) 60
social niche 628
social translucence 461-462, 469, 472
Social Virtual Worlds (SVWs) 456-457, 462-463, 470
soft self 116
sonorous envelope 272, 274, 277-279, 282-287, 291
static pose 561-562, 567-568, 573
subjectivity 19, 45-50, 52, 55-56, 60, 62, 67-68, 77-78, 137-140, 144-145, 150-154, 156, 163, 175, 178, 193, 202, 247, 249, 684
superhumanizing 182-183, 185
symbiosis 93, 104, 582, 586, 589, 681
symbolic belonging 294
symbolic interactionism 64-65, 69-70, 72, 74, 76-78, 83, 353, 441, 453-454
symbolic sign 59
synchronisation 315, 321, 343

T

Technological Singularity 166, 172, 715, 719
technological somnambulism 132
Technology Enhanced Learning (TEL) 456-457, 465
Technoself 1-4, 6-19, 22-25, 38, 40, 42, 44-45, 49-52, 55, 59, 64, 66, 71, 75-76, 84-85, 94, 96, 106-107, 109-115, 119, 152-155, 158-159, 162-164, 166-171, 173-176, 213, 215-216, 219, 272, 284-285, 287, 440, 449-450, 456-458, 461, 463-471, 592-595, 599, 602, 604, 608, 672, 683, 710, 712, 720-728, 731-732, 735-736, 741
technoself-presentation 60, 76
Technoself Revolution 13-14, 25

Technoself Studies (TSS) 1-4, 6-8, 10, 12, 14, 17, 25
telepresence 27, 29, 39, 42-44, 319, 323, 336, 342, 536, 550, 579-580, 697
terror management theory 531, 547, 552
thanatological metaphor 538-540, 548, 552
threshold crossing 274, 291
time-of-flight (TOF) 564
transbeman 120, 122
transhuman 4, 108, 120-121, 720
tweet 59, 73-74, 79, 420, 422-425, 427-428, 432, 434-435, 438, 710
Twitter 420
typographic man 8, 142-143, 155, 224

U

uncanny valley 598, 606, 627-628, 630, 633, 636, 686
Unexploded Ordnance (UXO) 609-610, 615
United Nations Convention on the Rights of Disabled Persons (UNCRDP) 232
Ur-Real 272-287, 290-292

V

virtual body 29, 158, 173, 271, 326
virtual communities 11, 31, 43, 81-82, 87, 92, 152, 154, 156-157, 165, 168-169, 173, 176-177, 190, 192, 194-196, 203, 260, 462, 473
virtual environment 29, 34, 44, 255-256, 261-263, 271, 303, 319, 325, 327-329, 457, 463, 468, 472, 616
virtualization 79, 91-92, 96, 442, 577
virtually mediated relationships (VMRS) 88, 92, 96
Virtual Reality (VR) 581
virtual realm 13, 191-192, 194, 196
visual assistive technology 338
viva voce 49

W

Warfighter's Associate (WFA) 612
web 2.0 93, 190-191, 193-194, 203, 451
wishful identification 257-258, 267-268, 550
workbook 95, 104
World Anti-Doping Agency (WADA) 727