

# INDEX

- Abolitionism, 42, 116, 170  
Aging, 75–76, 79, 91–92  
Amortality  
    immortality. *See*  
        Immortality  
    metaphysical concerns.  
        *See* Metaphysical  
        concerns  
    ontology. *See*  
        Ontologization  
    social-political concerns.  
        *See* Social-political  
        concerns  
Automated warehouses, 28  
Automation technology.  
    *See also*  
    Enhancement, 4, 7,  
    33  
Autonomy, 17, 29–31, 59  
  
Biochemical algorithms, 85  
Bioconservatism  
    *Beyond Therapy*, 89,  
    92–93  
    bio-economic assets, 22  
    definition, 18  
    enhancement  
        technologies, 20  
    extended life-spans, 89  
    Factor X, 19–20, 124  
    human dignity, 18, 36  
    ontologization, 24–25  
    repugnance, 23  
    social-political dangers,  
        170  
    suffering, 117  
    technological rationality,  
        24  
Bio-economic assets, 22  
Buddhist philosophy  
    commonsense view, 150  
    comparative analysis,  
        147  
    consciousness, 152  
    cyborg enhancement,  
        162  
    Cyborg Buddha Project  
        (CBP), 148,  
        153–154, 158–159,  
        162  
    ego, 165  
    emptiness, 149,  
        156–158, 161, 165  
    enlightenment, 161  
    Maitreya Buddha,  
        159–160

- nirvana*, 165–166
- personal identity, 150
- Pratitya-samutpada*, 156
- pregnancy, 156–157
- samsara, 165
- self-creation, 154
- skandha theory, 148
- suffering, 149, 151
- Categorical desires, 96
- Contemporary
  - transhumanist institutions
  - Advanced Research Projects Agency (ARPA), 68
  - converging technologies (CT), 68
  - cryonics, 62
  - cryopreservation, 63
  - DARPA, 68–69
  - extropianism, 63
  - Institute for Ethics and Emerging Technologies (IET), 66
  - Internet of Things (IoT), 69–70
  - National Science Foundation (NSF), 68–69
  - Singularity University (SU), 67
  - Transhumanist Declaration, 64–65
  - unified theory, 66
  - virtual assistant, 69
  - World Transhumanist Association (WTA), 64
- CRISPR Cas9, 7
- Cultural imagination. *See also* Science fiction, 38, 53, 169
- Cyborg Buddha Project (CBP), 148, 153–154, 158–159, 162
- Cyborg values
  - cultural movement, 137
  - Cyborg Foundation, 139
  - definition, 136
  - desire, 139
  - eyeborg, 137
  - functions, 140
  - instinct of revenge, 142
  - senstronaut, 139
  - sources, 141
- Data-driven approach, 83–84
- Dataism, 84–85, 88–89
- Dehumanization, 18, 22, 23, 36
- Desire analysis, 35, 172–174
- Enhancement
  - Amazon’s algorithms, 28
  - Amazon’s warehouse model, 28
  - automated warehouses, 28
  - automation technology, 26–27, 33

- autonomy, 29
- definition, 25
- dehumanization, 36
- enlightenment, 32–33
- instrumental theory of technology, 25–26
- metaphysical danger, 32
- morphological freedom, 30–31
- opioid addiction, 32
- and replacement, 34
- robotics-driven automation, 30
- secular humanism, 33
- socialpolitical dangers, 31
- social safety net programs, 32
- technological unemployment, 29
- Enlightenment, 32–33
- Epistemological certainty, 95, 168
  - accelerationism, 13
  - consciousness, 15
  - defined, 13
  - morphological freedom, 16–17
  - natural transhumanism, 13
  - perpetual progress, 16
  - prometheanism, 14
  - self-actualization, 17
- Human dignity, 18
- Humanity 1.0 and 2.0, 8
- Immortality
  - aging, 75–76, 79
  - death, 79–80
  - Methuselararity, 77
  - singularity, 77
  - Strategies for Engineered Negligible Senescence (SENS) Research Foundation, 76–77
  - toleration, 78
- Implicit ideology, 3, 25, 70, 75, 140, 154
- Instrumental theory of technology, 25–26
- Metaphysical concerns, 32
  - atomic age, 91–92
  - categorical desires, 96
  - definition, 92
  - epistemological certainty, 95
  - human experience, 94
  - lifespan extension, 92, 96
  - ontological uncertainty, 95
  - understanding of being, social practices, 92–93
- Methuselararity, 77, 97
- Modern philosophy
  - bioconservatives, 55
  - Cosmism, 53
  - Enlightenment, 52
  - human-designed humanity, 53
  - human intelligence, 52

- humanism's methods, 49
- proto-transhumanism, 50, 53
- rationalism, 51
- Morphological freedom, 30–31
- Mythic/religious precursors
  - forgetting of finitude, 48
  - memory theater, 47
  - proto-philosophy, 45
  - spiritual machines, 48
  - technai, 44
  - technological herb, 46
  - trade-offs, 45
  - transcendent
    - technological capacity, 44
- Nietzsche's philosophy
  - cyborg values. *See* Cyborg values
  - definition, 127
  - proto-transhumanism. *See* Proto-transhumanism
  - transhumanist philosophy, 128
  - value revaluation. *See* Value revaluation
- Ontologization, 24–25
  - biochemical algorithms, 85
  - data-driven approach, 83–84
  - dataism, 84–85, 88–89
  - life sciences, 85
  - patternism, 85–86, 88–89
  - Quantified Self (QS) movement, 84–85
  - Strategies for Engineered Negligible Senescence (SENS) Research Foundation, 38–39, 81–83, 87
  - technical glitches, 80–81
  - Theseus Ship, 88
  - Whole Body Interdiction of Telomeres (WILT), 82
  - Whole Brain Emulation (WBE), 86
- Opioid addiction, 32
- Overpopulation, 67, 91
- Patternism, 85–86, 88–89
- Posthumanism, 6–13, 132–133, 135, 168
- Proto-transhumanism, 50, 53
  - christianity, 132
  - ideals condemnation, 131
  - last human being concept, 133–134
  - overhuman nature, 128–130
  - posthuman, 132–133, 135
  - value orientation, 130
- Quantified Self (QS) movement, 84–85

- Repugnance, 23
- Robotics-driven
  - automation, 30
- Science fiction, 1, 38, 41, 55
  - Altered Carbon*, 59–60
  - Cryonics program, 62
  - cultural imaginary, 57
  - cyberspace, 58–59
  - The Matrix*, 56
  - Neuromancer*, 59
  - simulation hypothesis, 57
  - space operas, 61
- Secular humanism, 33
- Singularity, 77, 107–110, 114–115
- Social-political concerns, 31
  - overpopulation, 91
  - social aspiration, 89
  - social structures mirrors pattern, 90
  - trailing edge, humanity, 90
- Social safety net programs, 32
- Strategies for Engineered Negligible Senescence (SENS) Research Foundation, 76–77, 81–83, 87
- Suffering. *See also* Buddhist philosophy, 115–119
  - abnormal brain chemistry, 121
  - bioconservatives' reliance, 124
  - business manager approach, 121–122
  - depression, 121
  - elimination, 121, 123
  - mental illness, 121
  - motivating factor, 127–128
  - ordinary suffering, 121
  - pain-killing drugs, 123
  - physical pain, 120
- Superintelligence, 39–40
  - artificial general intelligence (AGI), 101–102, 104
  - artificial intelligence (AI), 40
  - brain–computer interfaces, 40
  - cognitivism, 103
  - consciousness, 112
  - definition, 101
  - emergence theory, 113–114
  - Factor X, 105
  - faith-based arguments, 108–109
  - general intelligence, 101
  - humanoid, Sophia the Robot, 110–111
  - machine learning, 102
  - mind upload, 40
  - mortal/immortal, 107
  - simulation theology, 114
  - singularity. *See also* Singularity, 41

- spiritual machines, 108
- technium, 109
- transparent coping, 104–105
- Whole Brain Emulation (WBE), 40, 86, 103–104
- Superlongevity
  - biochemical engineering, 39
  - nanotechnology, 39
- Strategies for Engineered Negligible Senescence (SENS) Research Foundation, 38–39
- Super well-being
  - abolitionism, 42
  - emotions, 118–119
  - experience machine, 120
  - genetic engineering, 41
  - gradients of well-being, 119–120
  - hedonic engineering, 116, 119
  - human flourishing, 42
  - physical suffering, 42
  - psychological distress, 42
  - suffering. *See* Suffering
  - wireheading, 116
- Technium, 36
- Technological rationality, 24
- Technological unemployment, 29
- Theseus Ship, 88
- Trailing edge of humanity, 90
- Understanding of being, 92–93
- Value revaluation
  - digital immortality, 144
  - enhancements, 146
  - mendaciousness of millennia, 143
  - real *vs.* apparent world, 143
  - self sovereignty, 145
  - transcendent aspects, 142
- Whole Body Interdiction of Telomeres (WILT), 82
- Whole Brain Emulation (WBE), 40, 86, 103–104