

Index

- Academia, 42, 105, 113, 115–117, 257
- Actant, 23, 39, 40, 42, 44, 58, 61, 63, 71, 75, 76, 77, 79, 86, 111, 196, 248
- Activism, 132, 133
- Adey, Peter, 16, 30, 142, 150, 228
- Agre, Philip, 86, 87, 89, 90
- Airplane, 74, 143, 144
- Airports, 7, 17, 18, 74, 108, 137–157, 209, 223, 251
- Air traffic control, 7, 10, 38, 43, 93, 137, 154
- Air travel, 6, 17, 30, 73, 107, 137–157, 189, 256, 257
- Algorithm, 3, 5, 13, 24, 26, 27, 30, 34, 36, 41, 43, 50, 56, 102, 103, 104, 105, 108, 109, 112, 116, 120, 122, 123, 124, 133, 142, 146, 150, 169, 173, 176, 183, 196, 204, 205, 206, 210, 219, 221, 234, 237, 246, 247, 248, 253, 254, 255, 256, 258
- Algorithm studies, 248
- Amazon, 187, 194, 205
- Ambient intelligence, 176, 217, 221, 225, 227, 261
- Andrejevic, Mark, 86, 91, 171, 173, 186, 187, 199, 203, 219, 234, 250
- ANPR, 85, 90, 149, 155
- Assembly language, 4, 25
- ATM, 6, 10, 42, 60, 78, 189
- Automagical, 5
- Automated management, 16, 58, 81–110, 137, 149–153, 157, 176, 194, 196, 209, 211, 228, 233, 240, 242, 249, 250, 261
- Automobilities, 6, 20, 99, 106
- Autonomy, 5, 10, 30, 42, 43, 58, 59, 76, 85, 109, 110, 132, 137, 150, 176, 189, 236, 261
- Back-officing, 194
- Bandwidth, 9, 129
- Banking, 4, 26, 78, 93, 183, 186, 194
- Bar codes, 48, 51, 87, 93, 94, 95, 100, 137, 142, 143, 144, 226
- Berry, David, 25, 30, 32, 37, 209, 245
- Big Brother, 112, 233, 234
- Biometrics, 92, 93, 95, 108, 137, 149, 150, 151, 152, 153, 154, 209, 229, 234, 236, 261
- Biopolitics, 81
- Blogs, 57, 58, 91, 126, 127, 130, 131, 132, 133, 187, 231
- Brook's Law, 36
- Bugs, 10, 26, 32, 34, 36, 37, 38
- Burrows, Roger, 60, 116, 123, 125, 126, 127, 130, 208
- Camera
- digital, 53, 56, 117, 120, 162, 168, 226, 231
 - traffic, 76, 90, 106, 107, 234, 242
 - surveillance, 6, 78, 84, 95, 98, 149, 164, 198, 209, 240
 - video, 85, 98
- Capitalism, 19, 78, 106, 183, 200, 224

- Capta
 definition, 5, 261
 recording, 94–101
 shadow, 90–91
 storage, 101–103
- Captabase, 5, 6, 7, 48, 50, 60, 78, 85, 87, 91, 93, 99, 102, 115, 120, 132, 137, 148, 149, 150, 152, 161, 169, 171, 173, 182, 187, 192, 193, 195, 200, 201, 202, 204, 206, 225, 233, 236, 238, 243, 246, 253, 261
- Capture model, 86, 87, 89, 90, 153
- Casino, 195, 196
- Castells, Manuel, 11, 12, 137
- CCTV, 84, 98, 108, 154, 164, 209
- Cell phones, 5, 6, 59, 60, 61, 73, 76, 100, 133, 143, 161, 165, 168, 169, 172, 173, 199, 216, 219, 223, 225, 240, 242, 248, 254, 255
- Citizenship, 153, 154, 234
- Code, 24–32
- Codebase, 33
- Coded
 assemblage, 6, 7, 74, 80, 137, 223, 237, 249, 261
 infrastructure, 5, 6, 7, 17, 77, 137, 219, 261
 objects, 5–6, 7, 9, 20, 42, 47, 53, 54–59, 61, 63, 73, 76, 80, 160–169, 173, 174, 176, 178, 179, 218, 219, 221, 229, 240, 249, 256, 257, 262
 processes, 6, 7, 160, 173, 175, 262
 space, 18, 20, 73, 80, 143, 144, 160, 174, 179, 192, 195, 198, 211, 257, 262
- Codejects 54, 55, 56, 60, 160, 162, 165, 218, 237, 262
- Code libraries, 35, 114
- Code/space, 3–21, 66, 71–80, 110, 117, 137, 140, 142, 143, 144, 146–149, 153–156, 157, 160, 174, 179, 181, 192, 193, 195, 198, 211, 246, 256, 257, 261
- Collaborative
 filtering, 205
 manufacture, 33, 75, 76, 78, 80, 128, 130, 131, 156, 247
- Competitive advantage, 19, 82, 87, 104, 106, 107, 108, 140, 149, 192, 196, 211, 250
- Computation 7–9, 37, 43, 56, 215, 216, 217
- Computational city, 12
- Consumption, 7, 19, 20, 51, 60, 65, 80, 84, 85, 87, 109, 110, 112, 125, 142, 160, 171, 172, 173, 174, 179, 181–211, 233, 249, 256
- Control creep, 153, 234, 262
- Creativity, 11, 16, 20, 44, 90, 111–134, 178, 187, 225
- Credit cards, 6, 7, 24, 60, 61, 89, 92, 95, 98, 99, 102, 144, 182, 183, 184, 192, 193
- Crime, 19, 37, 75, 82, 84, 87, 91, 94, 104, 106, 109, 112, 149, 150, 151, 154, 199, 209, 216, 228, 234, 235
- Customer relationship management (CRM), 195, 196, 204
- Determinism, 18, 23, 40, 42, 44, 73–75, 80, 117, 123, 146, 147, 156, 157, 179, 248, 256
- Digital rights management (DRM), 176, 209, 210
- Discipline, 10, 11, 19, 35, 67, 81, 82, 84–87, 89, 90, 105, 106, 108, 133, 154, 202, 209, 211, 216, 229, 233, 249–251
- Discursive regime, 18–20, 78, 79, 106–109, 153–156, 216, 224, 250, 251, 262
- Docile bodies, 82, 90, 149, 155
- Dourish, Paul, 23, 39, 162, 176, 216, 217, 218, 237
- Electronic
 data interchange, 93, 193
 fund transfers, 6, 73, 93, 183, 192, 202
 point of sale (EPoS), 192, 194, 202
 product code (EPC), 51
- Embodiment, 18, 34, 36, 60, 69, 73, 76–78, 80, 100, 112, 116, 124, 126, 130, 132, 133, 144, 147, 175, 205, 206, 235, 236, 238, 249, 255
- Empowerment, 10, 19, 20, 44, 63, 106, 107, 108, 111–134, 172, 173, 178, 186, 189, 210, 216, 225–228, 230, 246, 250

- Enterprise resource planning (ERP), 194, 200, 201, 202
- Ethics, 20, 34, 107, 109, 116, 132, 133, 202, 231, 235, 236, 246, 251–254
- Ethnography, 32, 34, 37, 40, 63, 157, 247, 255, 256
- Everyware, 9, 17, 20, 63, 110, 112, 215–243, 251, 253, 254, 262
- Farm-to-fork, 50, 202, 229
- Federation Square, 198
- Financial systems, 6, 30, 37, 60, 93, 103, 144, 174, 182–184, 204, 235
- Firmware, 56, 58, 59, 253, 262
- Folksonomy, 130, 131
- Foucault, Michel, 18, 19, 70, 80, 81, 82, 85, 149, 154, 255
- Fraud, 19, 60, 82, 84, 103, 106, 107, 153, 182, 183, 192, 193, 195, 196, 210, 250
- Fuller, Matthew, 12, 13, 26, 27, 39, 40, 121, 123
- Galloway, Anthony, 13, 87, 92, 205
- Games, 4, 5, 60, 95, 123, 131, 161, 162, 174, 175, 177, 196, 209
- Genealogy, 66–71, 80, 229, 255
- Geodemographics, 60, 94, 172, 173, 205, 206, 208
- Global distribution systems (GDS), 142, 144
- Google, 102, 127, 128, 199
- Governance, 16, 20, 63, 80, 81, 110, 142, 228, 233, 238, 241, 246, 249
- Governmentality, 20, 24, 81, 82, 84, 85, 87, 89, 90, 102, 110, 147, 179, 247, 251
- GPS, 5, 6, 54, 58, 62, 77, 91, 94, 99, 143, 144, 164, 168, 226, 227, 239, 242
- Graham, Stephen, 5, 10, 12, 16, 71, 86, 104, 105, 108, 147, 150, 153, 155, 192, 199, 204, 209, 226, 235, 253, 256
- Grammar of action, 87, 89, 90, 108, 109, 150, 153, 156, 209, 250, 262
- Greenfield, Adam, 9, 17, 216, 217, 219, 221, 225, 226, 234, 235, 237–242
- Hacking, 19, 24, 33, 34, 35, 37, 132, 178, 235, 241, 242
- Hardware, 3, 5, 7, 24, 25, 38, 43, 109, 129, 218, 262
- Hayles, Katherine, 13, 47, 51, 215, 224
- Health, 12, 62, 81, 82, 94, 98, 103, 168, 169, 170, 173, 174, 175, 198, 228, 229, 231, 249
- Hegemony, 19, 108, 109, 132, 155, 156, 258
- Hotels, 184, 195, 196, 204
- Human rights, 132
- ID cards, 92, 143, 144, 152, 154, 226, 233, 235, 250, 251
- Ideology, 37, 67, 77, 78, 79, 90, 109, 153, 155, 246, 247
- Identity, 12, 16, 23, 74, 75, 124, 143, 144, 152, 154, 205, 226, 233, 235, 241, 250, 251, 253,
- Immigration, 7, 74, 108, 137, 144, 147, 148, 149, 150, 151, 153, 154, 251, 257
- Infomediary, 194
- Intellectual property, 24, 93, 209–210
- Interactivity, 54, 55, 56, 198
- Internet, 5, 7, 9, 11, 37, 42, 47, 57, 58, 60, 90, 95, 100, 121, 125, 128, 131, 132, 133, 144, 161, 165, 172, 175, 178, 184, 185, 192, 198, 199, 209, 221, 245, 254, 257
- Internet of things, 47, 51, 54, 60, 179, 216, 262
- Interoperability, 201, 216, 237, 238, 243
- Interpellation, 11, 106, 155
- Knowledge discovery from databases (KDD), 103, 204
- Knowledge society, 37
- Latour, Bruno, 16, 39, 71, 85
- Legal, 19, 36, 37, 51, 60, 75, 82, 84, 85, 102, 106, 107, 108, 132, 151, 154, 176, 184, 185, 199, 209, 210, 232, 234, 242, 251, 254

- Lessig, Lawrence, 13, 40, 81, 85, 146, 254,
 Location based services (LBS), 100, 199, 227
 Logistics, 6, 50, 51, 73, 93, 181, 192, 194,
 199–202, 229
 Logjects, 54, 55, 56, 57–60, 160, 161, 175,
 178, 195, 262
 Loyalty cards, 7, 92, 192, 193, 208, 250
 Lyon, David, 60, 84, 85, 86, 90, 98, 104, 153,
 203, 204, 209, 234, 235, 240
- Machine readability, 5, 10, 47, 48, 50, 54, 59,
 60, 61, 91, 92, 94, 95, 99, 149, 151, 153,
 161, 179, 251
 Mackenzie, Adrian, 5, 13, 23, 24, 27, 30, 34,
 35, 36, 39, 41, 42, 65, 71, 72, 102, 248,
 255, 256
 Manovich, Lev, 12, 13, 120, 123, 124,
 246
 Map/mapping, 31, 82, 91, 99, 127, 128–130,
 132, 143, 155, 255, 257, 258
 Mashups, 111, 126, 127, 128, 174, 188
 Memory, 8, 24, 56, 227, 230, 232, 252, 254,
 262
 Micro-electromechanical systems (MEMS), 95,
 105
 Mitchell, William, 12, 16, 76, 95, 98, 198,
 215, 216, 219, 235
 Modding, 111
 Money, 26, 32, 40, 42, 77, 78, 102, 173,
 182–184, 186, 189, 210, 234
 Moore's law, 8, 9, 102
 MP3 player/format, 6, 25, 54, 58, 59, 76, 91,
 102, 123, 165, 185
 Museum, 69, 113, 192, 195, 197, 198, 215
 Music, 102, 113, 117–119, 121, 175, 181, 185,
 186, 196, 205, 210, 225
- Neoliberalism, 19, 78, 79, 106
 Network, 9, 16, 17, 18, 30, 37, 40, 51, 55, 59,
 71, 77, 78, 102, 113, 140, 144, 169, 171,
 178, 181, 184, 185, 192, 201, 216, 218,
 227, 228, 237
 distributed, 6, 50, 51, 54, 58, 61, 160
 social, 12, 58, 91, 126, 127, 131, 133, 173,
 185, 205
 wireless, 5, 17, 100, 165, 168
 Network society, 12
 New media, 11, 12, 112, 123–128, 133, 215,
 246
 9/11, 140, 144, 150, 234
 Non-place, 74, 156
 Nonrepresentational theory, 71
- Oligopticon, 19, 84, 85, 228, 233, 237, 238,
 263
 Online shopping, 184, 194
 Ontology, 16, 26, 27, 48, 61, 66, 67, 68, 70,
 77, 87, 124, 130, 151, 153, 238, 246, 247,
 255, 263
 Open source software, 33, 35, 37, 128, 130,
 131, 186, 188, 263
 Openstreetmap, 128, 129, 130
- Panopticon, 19, 82, 84, 85, 154, 228, 233,
 235, 237, 238, 251, 252, 263
 Passenger name record (PNR), 87, 88, 89, 142,
 149, 151, 152
 Pattern recognition, 103, 105, 247, 254
 PDA, 32, 54, 58, 59, 165, 221
 Peer-to-peer sharing, 172, 185
 Performativity, 34, 44, 70, 71, 78, 147
 Pervasive computing, 3, 9, 58, 176, 216,
 217, 218, 219, 223, 224, 235, 242, 248,
 252, 263
 Photographs, 113, 117, 120, 121, 123, 124,
 128, 161, 165, 174, 231, 232, 236
 Political economy, 37, 70, 78, 110, 157, 179,
 221
 Politics, 10, 11, 12, 23, 32, 37, 43, 58, 65, 67,
 75, 112, 129, 130–133, 146, 155, 199, 205,
 236, 251, 254
 Power/knowledge, 84, 90
 Powerpoint, 27, 122
 Presumption, 186–192, 193, 209, 210, 211
 Privacy, 19, 134, 151, 152, 160, 173, 177,
 184, 204, 210, 217, 229, 250, 251, 253

- Profiling, 51, 103, 104, 142, 152, 173, 174, 181, 202–08, 234, 235, 247, 250, 251
- Programmer, 25, 26, 32, 33, 34, 35, 36, 37, 39, 43, 112, 113, 188, 238, 247, 248
- Programming, 24, 25, 26, 32, 33, 34, 35, 36, 44, 112, 113, 125, 126, 171, 188, 255
- Redlining, 104, 205, 208
- Refactoring, 26
- Regulation, 6, 10, 11, 13, 17, 18, 19, 26, 39, 60, 73, 75, 78, 80, 81–110, 133, 137, 149, 150, 151, 153, 172, 184, 185, 200, 202, 209–210, 233, 239, 240, 241, 249, 250, 251, 252, 254
- Resistance, 19, 20, 70, 79, 80, 107, 109, 112, 140, 150, 153, 178, 216, 236, 240–242, 250, 251
- Retail, 11, 24, 50, 51, 65, 86, 87, 95, 103, 143, 181, 184, 185, 193, 194, 195, 199, 202, 203, 205, 208, 209
- RFID, 48, 50, 51, 87, 93, 94, 95, 97, 109, 161, 172, 226
- Rosenberg, Scott, 23, 32, 34, 35, 36, 37, 38, 256
- Safety, 19, 50, 75, 76, 87, 104, 106, 107, 140, 153, 154, 156, 160, 179, 202, 209, 224, 226, 228, 229, 242, 250
- SAP, 201
- Satellite imagery, 115, 128, 132
- Scale, 5, 9, 13, 16, 43, 56, 68, 70, 73, 76–78, 80, 100, 112, 116, 124, 126, 130, 132, 133, 144, 147, 175, 205, 206, 235, 236, 238, 249, 255
- Scanning technologies, 86, 94, 95–98, 137, 138, 143, 193
- Scopophilia, 231
- Secondary agency, 5, 39, 44
- Security, 6, 7, 17, 19, 51, 59, 74, 75, 84, 87, 89, 93, 98, 102, 106, 108, 132, 140, 142, 143, 147–156, 176, 193, 196, 199, 209, 216, 225, 228–230, 232, 234, 236, 250, 251
- Self-discipline, 82, 85, 86, 87, 90, 110, 154, 209, 233
- Sensing technologies, 50, 56, 78, 94, 95–98, 99, 115, 143, 168, 169, 173, 176, 217, 221, 225, 227, 228, 230
- Sentient computing, 5, 71, 216, 217, 218, 242, 263
- Simulation, 30, 105, 109, 115, 121, 198
- Smart
- buildings, 12, 221
 - clothing, 226
 - homes, 99, 160, 176–178, 236, 239, 240
 - shelving, 51
 - tagging, 51
 - ticket, 95, 97
- Social
- networking, 12, 58, 91, 126, 127, 131, 133, 173, 185, 205
 - sorting, 194, 235, 263
- Software
- definition, 3
 - failures, 38
 - nature of, 23–49
 - process, as, 23, 32–38
 - product, as, 23, 39–43
 - studies, 12–13, 21, 65, 245–260
- Songdo City, 224
- Sousveillance, 98, 110, 216, 225, 230–233, 242, 251, 263
- Space, 12–16, 17, 18, 19, 44, 48, 51, 60, 66–80, 84, 86, 90, 94, 95, 99, 100, 103, 108, 117, 126, 142, 143, 144, 146, 155, 160, 161, 162, 174, 175, 178, 179, 181, 192–199, 205, 206, 208, 211, 215, 221, 222, 229, 237, 246, 248, 249, 256, 257, 258
- Space-time, 13, 68, 77, 78, 79, 90, 100, 181, 183, 252
- Spatial
- behavior, 181
 - data 13, 61, 67, 94, 128, 130, 205–208, 227
 - public, 63, 131, 198–199

- Spatiality, 13, 16, 17, 18, 20, 60, 61, 63,
66–80, 159, 160, 173–176, 179, 210, 246,
249, 252
- Spatialization, 242, 255, 257–258
- Spimes, 229, 230
- Storage, 8, 56, 57, 92, 99, 101–102, 103, 185,
200, 205
- Supermarket, 7, 17, 38, 39, 95, 99, 186, 189,
192, 193, 201, 202, 229
- Supply chains, 51, 181, 199, 200, 202, 211
- Surveillance, 6, 11, 19, 51, 61, 82, 84–87,
89–91, 95, 98, 99, 102, 103, 106, 108, 109,
137, 143, 149, 151, 154, 156, 171, 173,
175, 178, 184, 198, 199, 208, 209, 211,
216, 227–234, 237, 238, 240, 241, 250, 251,
263
- Tangible computing, 216, 217, 218, 242, 263
- Technicity, 42, 43, 44, 47, 50, 54, 65, 66, 71,
72, 111, 112, 115, 117, 123, 124, 133, 160,
161, 246, 248, 249, 260, 263
- Technological unconscious, 5, 61, 178
- Territorialization, 17, 69, 92, 103
- Television, 6, 7, 42, 59, 84, 99, 106, 117, 126,
160, 161, 162, 165, 169, 171, 172, 174,
175, 176, 186, 198, 225, 228
- Terrorism, 154, 228
- Theme park, 192, 195, 209
- Thrift, Nigel, 5, 10, 16, 18, 19, 20, 60, 61, 65,
67, 70, 71, 82, 85, 99, 104, 147, 164, 177,
178, 237
- Times Square, 198
- Trafalgar Square, 68–70
- Traffic management, 3, 4, 6, 12, 62, 72, 76,
78, 85, 106, 241, 242
- Transcoding, 123, 124
- Transduction, 16, 17, 18, 63, 65–80, 140–145,
146, 155, 175, 179, 193, 194, 253, 258, 263
- Transportation, 6, 7, 17, 67, 68, 106, 107,
137–157, 169, 199, 229, 249
- Ubiquitous computing, 9, 216, 217, 218, 219,
221, 223, 224, 242, 263
- Utilities, 169, 171
electricity, 6, 7, 14, 108, 165, 171, 175, 179,
236, 240
water, 6, 7, 14, 39, 108, 161, 162, 165, 171,
175, 228
- Vending machines, 6, 62, 195
- Virus, 33, 37, 38, 147, 228
- Visualization, 20, 100, 103, 104, 127, 128,
129, 252, 257, 258, 259
- Voice recognition, 105, 107, 218, 228
- Wearing computing, 168, 216, 217, 219, 226,
230, 242, 263
- Weather/climate, 27, 30, 42, 75, 115, 146,
198, 199, 219
- Web 2.0., 125–130, 131, 133
- Wiki, 58, 126, 129, 130, 131, 187
- Wireless/WI-FI, 5, 7, 59, 95, 100, 143, 165,
168, 198, 199, 216, 218, 221, 222, 225, 242
- Word processing, 4, 17, 27, 69, 113, 115, 121,
123
- Yield management, 146, 195
- Y2K millennium bug, 10
- Zook, Matt, 16, 192, 256