

Index

- 1-octanol VII, 107, 111
- 2-propanol VII, 107, 111, 114
- 3D printing 97, 113-114, 117, 235, 323
- 4D printing 235, 322, 348
- accretion 1, 12, 118, 174, 176, 194, 212-213, 221-222, 224-225, 294, 352
- acetone VII, 107-110, 139, 355, 365
- actant V, 19-21, 112
- action research VI, 61, 63-64, 316, 342, 350
- actor 19, 120, 340
- agent 19, 21, 112, 115, 123, 140, 184, 322
- alcohol 107, 109, 111, 139, 365
- algae 4-5, 7, 165, 170, 199, 206-207, 230-231, 241-243, 255-256, 258, 301, 335, 352, 358-361
- artificial reef 194, 214, 227
- assemblage V, XI, XIII, 18-19, 21-22, 36, 51, 68, 100-102, 107, 114, 138, 149, 154-155, 166, 198, 230-231, 264, 286, 317, 352, 355, 357-358, 361-363, 365
- Bio Design VI, 45, 53-56, 60, 66, 327, 342
- Biofaction 347, 367
- biomorph crystals 214, 217
- bioregion 227-228, 237, 327, 348, 363
- butan-1-ol VII, 107-110, 355, 366
- Bütschli droplets VII, 9, 11, 21, 31-32, 40, 64, 77, 81, 85-87, 93-94, 96-99, 101, 103-105, 107-119, 121, 123-124, 139-142, 144-145, 161-163, 171, 183, 227, 283-284, 287-288, 295, 297, 311-312, 314, 316-317, 319, 322, 352-358, 362-366
- carbonate 40, 114, 142-143, 146, 148, 189, 213-219, 228-229, 336, 347, 356, 360, 367
- Carbon Eater Flasks 64, 138, 148-149, 151, 187
- Cartesian 27, 29
- chains VII, 20, 29, 99, 122, 182
- complexity V, IX, 16-18, 21, 23, 26, 28, 43, 49-50, 68, 75, 81, 112, 118-119, 122, 124, 137, 150, 168, 172, 185, 200, 228, 236, 248, 257, 282, 287-289, 291, 296, 314, 316, 329, 331, 346, 358, 361
- copper II sulphate 40
- copper II sulphate 58, 135, 141, 148, 152, 161-162, 172, 176-180, 353, 356-358
- Cybernetics 16-17, 50, 331, 350
- Design fiction 65, 332, 347
- diethyl phenyl phthalate (DEPP) 104, 140, 213
- drawing VII, 55, 75, 79, 81, 114-117, 121, 124, 191, 210, 212, 225, 228, 296, 326, 339, 353-354, 359-360
- dynamic droplets V, VI, IX, XI, XIII, 8-13, 35, 44, 59-60, 81-84, 86, 88, 90, 92-96, 98, 100-104, 106-108, 110, 112, 114-116, 118, 120-124, 126, 135, 171, 209, 219, 222-223, 225, 233, 235, 247, 253, 283, 317, 352, 354-355, 359-361, 365
- Ecological living technology (ELT) 31
- ecology V, 10, 12, 25-27, 34, 41, 43, 51, 62, 114-115, 124, 137, 199-200, 205, 222-223, 242, 292, 323, 325, 331-332, 338-339, 342, 347-348, 350-352, 359
- efflorescence 199, 359
- epistemology 119, 331
- Ethanol VII, 107-110, 139, 355, 365
- Ethics IX, 26, 127, 232-233, 273, 330-331
- Future-proofing VIII, 194-195
- garbage 1, 19, 28-29, 198, 237, 251, 257, 285-286, 341, 358
- general systems theory 17, 75, 196, 349
- geoengineering 168-170, 337, 345
- Grey Goo IX, 232-233
- Hygroscopic Islands VIII, 138, 154-155, 187, 357
- Hylozoic Ground V, VII, VIII, XI, XIII, 10-11, 61-62, 64, 133-164, 166, 168, 170, 172, 174-176, 178, 180, 182-188, 205, 213, 227, 254, 296, 311-312, 314, 317-318, 324, 330, 352, 356-357, 362-363
- Implicate Order 73, 78
- infrastructure VIII, IX, X, 9, 12, 39, 60, 68, 137, 150, 155, 167, 169, 171-173, 175, 177, 179, 181, 183, 188, 198, 233, 235-236, 250, 252-253, 255, 257-258, 280, 314-315, 317, 357-358, 361-362
- inorganic sympathy VI, 40-41, 151, 154, 283, 318, 323, 362
- interfacing VII, 92, 96-99, 107, 114, 365-366
- Liesegang rings 35, 40, 135, 138, 151, 287
- Living Technology V, XV, 31-33, 36, 62, 81, 135, 213, 330-331
- locomotion VII, 31, 93, 112, 340

- Lyme Regis 42, 353
 machines V, XI, XIII, 3, 24, 28-29, 31, 38, 47,
 50-51, 59-61, 66, 68, 80, 103, 118-119, 184,
 195, 197, 202, 204, 209, 231, 266, 315, 320,
 322, 332, 343, 351
 manifesto V, IX, 5, 13-15, 43, 264-266, 295, 322,
 338, 347, 351-352, 362
 metabolism 10, 17, 49, 57-58, 76, 86, 88, 92-93,
 98-99, 103, 112, 123, 137, 145-147, 158, 166,
 168, 191, 206, 210, 213, 216-219, 221-222,
 233, 243, 262, 314, 317, 321, 337, 350, 354,
 359-360
 metapatterns 104, 119, 124, 229, 349
 Millennial Nature V, 23-24, 39, 41, 66, 71, 247,
 281, 285-286, 325, 327, 352
 mirroring VII, 92, 98-99, 355, 365
 morphological computing V, VI, VII, 21, 36, 38-
 39, 41, 45, 59-61, 64, 66-70, 104, 116, 125,
 133, 138, 143, 173, 187, 199, 207, 209, 222,
 227-228, 235, 283, 287, 293-294, 302, 311,
 318, 320-321, 329, 338, 356, 359, 363
 MOSE project 203-204, 359
 Mother Shipton 174-175, 342, 358
 natural computing V, XI, XIII, 35-37, 39, 59, 66,
 344
 non-equilibrium 15, 35, 89, 164-165, 170, 173,
 176, 182, 187, 288, 296-297, 301, 319, 321
 oceanic ontology 119-121, 124, 186, 340, 358
 Old Nature 265, 285
 olive oil 9, 40, 83-86, 104, 107-111, 114, 139-141,
 156, 158, 161-162, 171, 343, 354, 356-357,
 364, 367
 organicism VI, 45, 60
 origins of life 43, 57, 59, 189, 330, 333
 osmotic structures 82, 94-96, 98, 104, 123, 187,
 354-355, 365
 ouroboros 55, 353
 oyster 122, 245
 Physarum polycephalum 37, 341, 353
 porosity VI, 40-41, 151, 154, 174-175, 283, 323,
 362
 Post natural 330, 336, 341, 351
 post-normal science 336
 potassium hexacyanoferrate 58, 176-179, 353,
 358, 366
 precipitate 116, 135, 140-141, 146, 148, 151, 174,
 214-220, 318, 356, 360
 probability X, 39, 65-66, 78, 138-139, 149, 172,
 185, 194, 205, 230-231, 295-296, 360
 process philosophy V, 16, 18, 23, 28, 43, 61,
 103, 118, 296, 346
 Prometheus 156, 158, 346, 357
 Protocell V, 13, 35, 243-245, 311, 313, 330, 344,
 347, 362, 364-365
 Protocell roses 365
 protopearls VIII, 11, 66, 146-148, 150, 213-219,
 221, 235, 314, 317, 357, 360, 367
 quantum physics 9, 44, 57, 71, 73, 165-166, 265
 reflections 25, 27, 65, 224, 232, 236, 281, 290,
 353-354, 360-362
 Satellite phenomenon 98, 100, 355, 365
 self-organization 78, 81, 88, 99, 112, 161, 165,
 255, 341, 346, 364-365
 silica 213-214, 221, 336
 slowness VI, 40, 46, 151, 154, 283, 323, 362
 sodium hydroxide 83-86, 94, 107-111, 140-142,
 161, 214, 217-219, 354, 356, 364, 367
 soft robots 39, 59, 347
 soil 12, 21, 26, 46, 133, 136, 156, 172, 181, 202,
 221, 247, 249-251, 254-257, 275, 293, 311,
 329-330, 344, 347, 359, 361
 solar flare 105, 355, 365
 spandrels 301, 323, 337
 Speculative Practice VI, 61, 65
 Speculative Research 331
 stardust 15, 71, 346
 stones of Venice 229, 231
 stromatolites 212, 227, 229, 346, 360
 sustainability 2, 190, 197, 254, 265, 330-332,
 335, 340, 347
 synthetic biology V, 31-32, 34, 54, 57, 64, 77,
 138, 156, 165, 207-208, 260, 270, 274, 278,
 329-330, 334, 341, 347
 synthetic chemistry 32, 165, 207
 Synthetic Ecology V, 34, 323
 technology V, VII, VIII, IX, X, XV, 1, 3, 9, 12, 16,
 21, 28-29, 31-36, 39, 50-51, 53, 59-60,
 62-63, 66, 68, 79, 81, 113-115, 117-118, 125,
 135, 138-139, 146-147, 168-170, 188-193,
 204-207, 209-210, 213, 219, 221-222, 230,
 233-236, 241, 243-244, 253-255, 257, 264,
 292-294, 302-303, 305, 307, 309, 311, 313-
 316, 318, 320-323, 329-333, 337-342, 345,
 348, 352-353, 360-362
 thrombolites 208, 229, 359
 Traube cell 58, 176, 178-180, 287, 313, 353, 358,
 362, 366
 Turing bands 162-163, 183, 187, 357-358

- Unconventional computing V, 36-37, 62, 182,
329-330, 332, 341, 343
- Venice Biennale 200, 335
- vibrant architecture I, III, V, VI, IX, X, XI, XII, XIII,
XIV, 13-15, 41, 64, 167, 264-266, 280-281,
284-285, 287, 295, 302, 315, 319-322, 325-
328, 352, 361-363
- Vibrant Cities V, IX, XI, XIII, 12, 247, 257, 292-
293, 327
- vibrant matter V, VI, VII, VIII, X, XI, XIII, 4, 6-12,
15, 17, 20, 31, 36, 39-41, 43-46, 56-57, 59-
60, 65-68, 70-72, 74, 76, 78, 80-83, 103-
104, 112-114, 118, 125-126, 133, 137-139,
151, 154, 164-169, 171, 173, 175, 182-183,
185-188, 194, 196-206, 208, 210, 212, 214,
216, 218, 220, 222, 224, 226-230, 232,
234-236, 238, 247, 254-255, 257, 282-285,
287, 291-295, 297, 299, 301-303, 305, 307,
309, 311, 313-325, 331-332, 352, 367
- WETFab 62, 175, 188, 235, 323, 350
- worms 13, 267, 271, 275-276, 334, 345, 352