Index

Bell, Daniel, 217–20, 224
Burton-Jones, Alan, xv, 224
Canada, xvii
Capra, Fritjof, xxiv
Carnoy, Martin, 20, 35
Castells, Manuel, 20, 220, 223
Coase, Ronald, 77
clusters, xxiii–xxv, 77–89, 117–38
  clustering, 117–36, 183–7
  industrial, 77–89
  knowledge, 79–82, 88–9, 183
  local systems, 109–12
  rationale, 118–21
Crick, Francis, 122
David, Paul, 42
Denmark, xx, 86
Dunning, John, xv
Economy, xxvii
  agglomeration, 39, 117
  competitive advantage, 182
  learning, 221–4
  new growth theory, 39
  marketing, 234
  regional xxvii–xxix, 194
  risk capital, 119
  spillovers, 39
  value creation and capture, 169–75
  venture capital, 162
education, 26–34
  higher, 26–34
  credentialism, 33
Eliasson, Gunnar, xv
Finland, xxi, 1–17
  Helsinki, 5, 9, 10
  Seinajöki, 2–17
  Science Park, 2–3
  Polytechnic, 5, 9
South Ostrobothnia, 2–17
  regional council, 8
  university network, 8
  Tampere, 5, 13
  Tekes, 2, 7
  Vaasa, 7, 9
geography, xvi
  cities, 58, 61–3
  city-regions 64–7
  proximity, 38–42, 118, 185–7,
  189–94
  of science, 42–4
  scale, xvi–xix
  space, 181
globalization, 20, 161
  production networks, 161
  sources of innovation, 163
  FDI, 174
governance, xvi
  DTI, 147
  METI, 148
  MEXT, 154
  multi-level, 142, 151–5
  Regional Development Agencies, 155
  EU, xvi, 39, 46–54
  HEFCE, 147
  OECD, xvi, xxi
  UNIDO, xvi
Germany, xvi, 128–37
  Berlin, 135
  Munich, 135
Granovetter, Mark, 81, 120
industry, 83–6
  biotechnology, 45–53, 117–38
  agricultural, 122
  environmental, 122
  pharmaceutical, 122
  ICT, 101–103
  Industry–science relationships, 142
Index

music, 83–5
furniture, 85–6
innovation, 1–14, 20, 38, 60–63, 120, 161, 181
BioRegio, 135
geography of, 38, 39–42
interactive, 120
learning, 60, 161, 181
interactive, 60
inter-firm, 188, 189–94
patents, 3, 40–44
R&D, 3, 10, 39–40, 43, 98
organizational, 14
spinoff firms, 40
systems, 60, 67–72
regional, 63, 42
technology, 162
institutions, 1–17
strategic adaptation, 2–3
local, 164
Ireland, 161–77
Italy, xxi, 86
Emilia-Romagna, 95
Reggio Emilia, 95, 101
Marche, 27
Japan, 25, 142–60
knowledge, xiv–xxvii, 20–31, 38, 93, 197–211
autopoesis, 22
availability, 193
based, 181
codified, 40–42, 94–9, 118
creation, 77
driven economy, 217–24
economy 1–9, 20, 58, 216–27
embeddedness, 199–201
experimental 78–9
experimentation, 79–82
incremental, 79–82
goods, 29
information, xiv, 21
information age, xiv
intensive business services (KIBS), 58–76, 236
intensive organization, 216
laboratories, xx–xxiii (definition, xxi), 8, 232–8
life cycle, 104–12
management, 198–9, 211
organizational, 25–6
position, 28
production, 99–103
production function (KPF), 40
regions, 232
scientific, 42–5
society, 24
spillovers, 39
tacit, 40–42, 94–9, 118
transdisciplinary, xx
transfer, 61
Krugman, Paul, xvi
labour, 39
consultants, 59–60, 67, 69–73
full employment, 164–8
knowledge, 62, 161
managerial and technological, 59–60, 67, 69–73, 96
skilled, 39, 97, 119
training, 169–74
Machlup, Fritz, xiv
Marshall, Alfred, 39, 72
Marx, Karl, 93
Netherlands, 183
networks, 1, 79–81, 182, 183–7
global, 1, 3
local, 1
networking, 38–54, 48–54
Epanet, xxi, 10, 13, 14–15, 16
New Zealand, xx
Nonaka, Ikujiro, 29, 183, 188
Norway, 60–64
Bergen, 64
Oslo, 60–64
Trondheim, 64
Penrose, Edith, xxiii
region, xix, 1–7, 17, 39, 64–6
advantage, 234–6
agencies, 1
city-region, 1
complexity, 232–4
identity, 3
innovation systems, xxv
policy, xix

Philip Cooke and Andrea Piccaluga - 9781845423391
Downloaded from PubFactory at 09/16/2023 08:46:28PM
via free access
learning, xxi, 1, 232
less favoured, 1–7
Regional Centre Programme Structural Funds, 7
vision, 17
research, 38
collaboration, 38
in science, 43

science, 42–5, 125
citation impact, 43–4
policy, 142
Science Park, 142
scientometrics, 43–54
Science Citation Index, 45–53
Schumpeter, Joseph, 183
Shannon, Claude, xiv
Smith, Adam, 93
social capital, 3
Spain, xvi
   Basque Country, 197
   Mondragon, 197
MCC, 197, 205–11, 215
Takeuchi, Hirotaka, 29, 183, 188
university, 2, 142–60
academic entrepreneurship, 145
network, 2
network university, 8
Tampere, 5, 13
Tampere, of technology, 5, 8–9
research professor model, xxi, 7–15
UK, 142–60
   England, 151–2
   Northern Ireland, 145
   Scotland, 145, 151
   Wales, 145, 151
USA, xv, xix, 46–54, 124, 148
values, 201
   social responsibility, 201–5
Watson, James, 122