## Index

<table>
<thead>
<tr>
<th>Abicalçados 112, 114, 125</th>
<th>brands 106</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACIG 212</td>
<td>Branko, M. 27</td>
</tr>
<tr>
<td>ACIMAC 183, 196</td>
<td>Brazil</td>
</tr>
<tr>
<td>ACRIB (Associazione Calzaturifici della Riviera del Brenta) 144, 163, 164, 166</td>
<td>Accredited Certification Institution (ACI) 272, 273, 274, 275</td>
</tr>
<tr>
<td>Addis, C. 284</td>
<td>ANFAVEA Committee for Quality Issues 272, 273, 275</td>
</tr>
<tr>
<td>Aesculap.de 210</td>
<td>auto-components industry 265–96, 357</td>
</tr>
<tr>
<td>Aghón, G. 327</td>
<td>background 268–75</td>
</tr>
<tr>
<td>agricultural exports 350</td>
<td>collaboration from customers 289</td>
</tr>
<tr>
<td>Albu, M. 11, 200, 201, 210, 219, 229, 234, 260, 377</td>
<td>credibility of quality standards 272–5</td>
</tr>
<tr>
<td>ANCI (Associazione Nazionale Calzaturifici Italiani) 143</td>
<td>ISO 9000 269, 272, 281, 282</td>
</tr>
<tr>
<td>Anderton, R. 207</td>
<td>multiple standards 271–2</td>
</tr>
<tr>
<td>Ariffin, N. 351</td>
<td>preparation for certification 283, 284</td>
</tr>
<tr>
<td>arm’s-length market relations 31, 43, 350, 366–7</td>
<td>QS 9000 278–9, 281, 282</td>
</tr>
<tr>
<td>ASCER 189</td>
<td>quality assurance certification 271</td>
</tr>
<tr>
<td>The Associated Economy 3</td>
<td>quality standards 269–75</td>
</tr>
<tr>
<td>‘Atlanta Agreement’ 318</td>
<td>quality standards certification and chain governance 281–7</td>
</tr>
<tr>
<td>Audretsch, D. 313</td>
<td>sample firms 275–8, 281, 289</td>
</tr>
<tr>
<td>auto-components industry, Brazil 265–96, 357</td>
<td>characteristics 295–6</td>
</tr>
<tr>
<td>Bair, J. 359</td>
<td>suppliers 268, 278–80, 288</td>
</tr>
<tr>
<td>Barnett, M. 332</td>
<td>technical collaboration 287–90</td>
</tr>
<tr>
<td>Barrientos, S. 33, 34, 45, 82, 83, 92, 322</td>
<td>transaction costs 278–9</td>
</tr>
<tr>
<td>Bazan, L. 8, 30, 111, 113, 132, 133, 339, 359, 367</td>
<td>transactional dependence 278</td>
</tr>
<tr>
<td>Becattini, G. 3, 201</td>
<td>automobile value chain 291</td>
</tr>
<tr>
<td>Bell, M. 11, 200, 201, 210, 219, 229, 234, 260, 351, 377</td>
<td>automotive industry, changes 268</td>
</tr>
<tr>
<td>Bellandi, M. 3</td>
<td>incentive structure 372</td>
</tr>
<tr>
<td>Bello, W. 25</td>
<td>Santa Catarina tile cluster 191–4</td>
</tr>
<tr>
<td>Belussi, F. 197, 210, 229</td>
<td>upgrading and local governance 192–4</td>
</tr>
<tr>
<td>Bergsten, F.C. 26</td>
<td>São Bento do Sul furniture cluster 339</td>
</tr>
<tr>
<td>Bido, D.S. 266</td>
<td>SEBRAE (Support Service for Small Firms) 284</td>
</tr>
<tr>
<td>Blowfield, M. 33, 77</td>
<td>Sinos Valley footwear cluster 8–9, 16, 41–2, 110–37, 339, 355, 359, 365, 369–70</td>
</tr>
<tr>
<td>Bonnin, A.R. 331</td>
<td></td>
</tr>
<tr>
<td>Braczyk, H.J. 3, 21</td>
<td></td>
</tr>
</tbody>
</table>
and Chinese producers 340
collective action 133–5
comparison of governance and
upgrading patterns 114–25
diversification 130
domestic value chain 116–17,
122–5
European value chain 115–16,
119–22
Latin American value chain 117,
122–5
local trade associations 133–4
‘underground revolution’ 128, 130,
132–6
upgrading 118–19, 119–25, 128
US value chain 114–16, 119–22

Brenta see Italy
Brioschi, F. 179
Brioschi, M.S. 179
Brusco, S. 201, 211
Burzacchini, P. 181
Business Charter for Sustainable
Development 76
buyer power, as an obstacle to
functional upgrading 359–60
buyer support 356–8

Cable, V. 26
Cainelli, G. 179
Capell, K. 331
Cassiolato, J. 4, 363
Castellón see Spain
Chahoud, T. 76, 92
chain governance 4–5, 7, 37, 96–8, 111
and collective upgrading strategies
132
as a dynamic process 373
and global quality standards 266–7
need for 99–102
reasons for 352–4
trends 105–7
and upgrading 349–81, 375
chain governance approach,
advantages and limitations
370–72
Chen, J-S. 12, 127, 369
Cheshire, P.C. 327
child labour standards 317–20, 322
Chiu, S.W.K. 359
Clapp, J. 33, 46, 63

Clean Clothes Campaign (CCC) 79–80
Cluster Competitiveness 187, 188
clustering 2, 3, 42, 370
and the global value chain 43–4
and knowledge flows 313
clusters
developed country 354
Europe 11
hub-and-spoke 342
repositioning 15
very cohesive 342
codes of conduct 57, 73, 76, 89
collective efficiency 4, 24, 201
company, and location 341–2
competence 375
competition 1, 20, 46, 218, 339–40
neoliberal view 24
competitive advantage 2, 4, 21, 95
local 28
‘competitive regionalism’ 327
consumers 54
Cooke, P. 3, 205
cooperation, vertical and horizontal
371
corporations, and global standards 34
Czempiel, E. 39

David, P. 56, 266, 299
Dei Ottati, G. 3, 371
‘design takers’ 366
developed country clusters 354
developing countries 338, 372
and global buyers 350
and global standards 297–8
quasi-hierarchical governance 353–4
upgrading of producers in quasi-
hierarchical chains 355–61

DigTimes 254, 255
Diller, J. 71, 73, 81
Dolan, C. 30, 35, 45, 46, 68, 95, 141,
266, 322, 350
Dörre, K. 341
dowgrading 330, 361–2

East Asia 333–4, 356
strategic intent 371
upgrading success 371–2
Economic Survey of Pakistan 300
Edquist, C. 3
Eichengreen, B. 26
Index 385

electronics industry 364–5
Enright, M.J. 201, 326
environmental and social standards
71–84
Ernst, D. 243, 244
Esser, K. 21
Ethical Trade Initiative (ETI) 33–4, 83–4
Europe, clusters 11
European Planning Studies 3
European Retailers Representative Group’s Standards on Good Agricultural Practices (EUREP-GAP) 69, 70
European Union (EU) 3, 56
standards 63
export agents 130, 131
external linkages 201

F&O 206
Fair Labour Association (FLA) 82
FEER (Far Eastern Economic Review) 73, 77
Feldman, M. 313
Ferraz, J.C. 372
Fitter, R. 376
Food and Agriculture Organization (FAO) 69
footwear industry
global chains 358–9
see also Brazil, Sinos Valley footwear cluster; Italy, Brenta district shoe cluster
Forestry Stewardship Council (FSC) 78, 79
FPJ (The Fresh Products Journal) 70
Freeman, C. 3
Friedman, T.L. 25–6
Fuchs, P. 33
Fues, T. 71
Fujita, K. 244
Fuller, D. 253
functional upgrading 111, 123, 124, 126, 128, 130, 136, 142, 209, 239, 265–6, 329, 339, 352, 358, 376
buyer power as an obstacle to buyer power in the personal computer value chain 246

Generalitat, V. 187, 190
Geography and Trade 2
Gerken, L. 24
Germany 10–11, 142
capital goods industry 331
footwear buying groups 159–63
small firms and external relationships 223–4
Tuttlingen surgical instrument cluster 200–32, 310, 340
associations 212–13
BBT (Berufliches Bildungszentrum Tuttlingen) 214
‘Competence and Technique Centre for Minimally Invasive Surgery for Tübingen-Tuttlingen (MITT)’ 215
cost reduction 200, 222, 228
distribution channels 206, 207
external cooperation 219–24, 227
Gebrüder Martin 212, 213
innovation 208
inter-firm cooperation 211–13
knowledge system 210, 229
large firms and external relationships 219–23
large firms’ upgrading 210–11
Medicon 212, 213
Medizintechnik 214
new product development 200, 220–21, 227
outsourcing 226
overview 202–9
production system 210
products 202–3
public or public–private initiatives 214–15, 216–17
research institutions 205
size structure of firms 203–4
specialization 206
‘Takeoff’ Technology Park 214–15
upgrading 200–201, 208, 209–24
upgrading strategies 225
Gibbon, P. 50, 356, 359, 360
Glaser, N. 46
global buyers 349, 350, 352, 356
and developing countries 350

global governance 53
and global standards 55–6
in the world economy 23–8

global linkages 4–5

global market coordination 39

global policy networks, and global
standards 32–7, 39

global quality standards 265–96
and chain governance 266–7

global regulative policy 26–7

global standards 1–2, 4, 12–14
and corporations 34

effect on local producers 297–325
and efficiency 53–4
generic 80–81
and global governance 55–6
and global policy networks 32–7
and governments 35
implementation 13
and international competitiveness 55
and NGOs 55
significance for regions 44–7
and trade 54
typology 60–61
global structures 26
global value chain approach, and local
cluster approach 234
global value chains
and clustering 43–4
and global standard-setting policy
networks 38
local upgrading in 8–12
private governance in 29–32
significance for local development
policy 41–4
globalization 21, 27, 38, 53, 265, 327,
341
and Italian industrial districts
140–73
and locations 338
golden straitjacket image 25–6
governance mechanisms 39–40
governance patterns 20, 27–9
government, role of 340–41
Grabher, G. 197, 342
Grönenmeyer, D.H.W. 200, 207
growth 338–9

Halder, G. 10, 15, 30, 200, 202, 204,
206, 207, 208, 214, 220, 223,
226, 227, 309, 317, 340, 368
Harrison, B. 229
Haufler, V. 63, 77
Hawkins, R. 56
Hazard Analysis and Critical Control
Point (HACCP) 69
Heidenreich, M. 205
Helleiner, G.K. 27
Helper, S. 278
Heying, C.H. 341
hierarchy 31, 111, 337, 351
Hilowitz, J. 33
Hobday, M. 241, 260, 353, 357, 359,
371, 375
Hollbach-Grömig, B. 326
Hong Kong 359
Hsing, Y.-T. 367
Hsu, J.-Y. 365, 371, 374
Humphrey, J. 4, 6, 7, 12, 29, 30, 31, 35,
45, 46, 54, 68, 95, 111, 124, 141,
167, 180, 200, 201, 209, 210,
219, 229, 241, 250, 260, 266,
268, 322, 328, 329, 350
Hwang, C.-Y. 255

ILO see International Labour
Organization

Imai, T. 244
‘immiserising growth’ 328, 376
India
garment cluster 350
Ludhiana knitwear cluster 367
industrial clusters 4, 95
industrial development, neo-
Schumpeterian model 336
industrial district approach 140
Industrial Districts and Local Economic
Regeneration 3
industrial locations 29
industry life cycle 333–8
requirements on locations across 335
industry life cycle paradox, and
territorial upgrading 333–8
innovation 313
innovation networks 363, 374
‘integrationist paradox’ 17
inter-chain comparison 368
inter-governmentalist perspective 26–7
Index

International Labour Organization (ILO) 57, 71, 72, 81, 86, 89, 318, 326
core labour standards 33
International Programme for the Elimination of Child Labour (IPEC) 318
International Organization for Standardization (ISO) 56, 62, 63, 265
committee on developing countries (DEVCO) 67
International Programme for the Elimination of Child Labour (IPEC) 318
international quality assurance, and local cluster governance 321–2
internationalization 179–80
investment 356, 360
ISO 9000 62–7, 84, 87, 265, 298, 318
and Brazilian auto-components industry 269, 272, 281, 282
evolution and development 299–300
and subcontractors 311
and value chain linkages 308–13
Istat 144
Italy 9
Brenta district shoe cluster 30–31, 140–73, 361–2
buying groups in Germany 159–61
external linkages 164, 165
functional downgrading 153, 168
German value chain 161–3
history 143–4
joint projects 164
local governance 163–6
markets 147–9
regional government project 166
sample of firms 144–7
top brand chain 149–59, 168
upgrading 154, 158
US market 148
value chains 167
Sassuolo tile cluster 178–84
ACIMAC 183
associations 182–3
Assopiastrelle 183
branding 179
collective action 179, 183–4
downstream activities 179–80
exports 179–80
local governance 182–84
upgrading 180–82
upstream activities 180–82
Japan 290
Jeffcott, B. 81, 82
Jochimsen, R. 26
Jonas, A.E.G. 327
Jones, C. 32
Kanter, M.R. 334
Kaplinsky, R. 1, 54, 98, 140, 149, 151, 201, 213, 222, 328, 332, 353, 362, 376
Kawakami, M. 242, 243, 251
Kazmi, S. 45, 46, 47
Keesing, D. 101, 353
Kiekens, J.-P. 78, 79
Kim, S. 371
Kishimoto, C. 127, 257, 359
Klein, E. 113
Knappe, E. 200
Knorringa, P. 30, 95, 119, 125, 128, 163, 239, 241, 247, 260, 266, 350, 358
knowledge flows, and clustering 313
knowledge spillover 201, 205
knowledge system 234, 235, 377
Krauss, G. 205
Krugman, P. 2
Kuo, W-J. 252
Küpper, I.U. 326
labels 57
labour 46–7
labour standards 33
Lall, S. 101, 353, 360, 371
Lambsdorff, O.G. 24
Lamming, R. 100
Lastres, H. 4
‘latecomer’ firms 101, 261, 353, 360, 361
Lee, J.-R. 12, 127, 369
Lee-Young, J. 332
Leite, M.D.P. 16
Levy, B. 252
<table>
<thead>
<tr>
<th>Term</th>
<th>Page(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>‘life cycle paradox’</td>
<td>17</td>
</tr>
<tr>
<td>local cluster approach, and global value</td>
<td>234</td>
</tr>
<tr>
<td>chain approach</td>
<td></td>
</tr>
<tr>
<td>local cluster governance, and international quality assurance</td>
<td>321–2</td>
</tr>
<tr>
<td>local collective action</td>
<td>339–40</td>
</tr>
<tr>
<td>local economic development (LED)</td>
<td>326, 327</td>
</tr>
<tr>
<td>local governance</td>
<td>3, 323</td>
</tr>
<tr>
<td>local innovation systems</td>
<td>3</td>
</tr>
<tr>
<td>local joint action</td>
<td>314</td>
</tr>
<tr>
<td>local linkages</td>
<td>21</td>
</tr>
<tr>
<td>local policy, upgrading</td>
<td>14–17</td>
</tr>
<tr>
<td>local rivalry</td>
<td>371</td>
</tr>
<tr>
<td>local synergy</td>
<td>2</td>
</tr>
<tr>
<td>local upgrading, in global chains</td>
<td>8–12</td>
</tr>
<tr>
<td>locality</td>
<td>2–4</td>
</tr>
<tr>
<td>‘location paradox’</td>
<td>17, 328, 341–3</td>
</tr>
<tr>
<td>locational policy</td>
<td>326–48</td>
</tr>
<tr>
<td>defined</td>
<td>326</td>
</tr>
<tr>
<td>reflexive</td>
<td>343–4</td>
</tr>
<tr>
<td>strategic</td>
<td>344–5</td>
</tr>
<tr>
<td>types of</td>
<td>343–4</td>
</tr>
<tr>
<td>locational upgrading</td>
<td>341</td>
</tr>
<tr>
<td>locations</td>
<td>334</td>
</tr>
<tr>
<td>and company</td>
<td>341–2</td>
</tr>
<tr>
<td>and globalization</td>
<td>338</td>
</tr>
<tr>
<td>requirements across industry life cycle</td>
<td>335</td>
</tr>
<tr>
<td>Lundvall, B.-A.</td>
<td>3, 21, 220, 363</td>
</tr>
<tr>
<td>luxury goods</td>
<td>149, 150–51</td>
</tr>
<tr>
<td>Maggi, C.</td>
<td>10</td>
</tr>
<tr>
<td>Magretta, J.</td>
<td>332</td>
</tr>
<tr>
<td>Mah, J.S.</td>
<td>33</td>
</tr>
<tr>
<td>Malmberg, A.</td>
<td>371</td>
</tr>
<tr>
<td>March, J.G.</td>
<td>36</td>
</tr>
<tr>
<td>market barriers</td>
<td>25</td>
</tr>
<tr>
<td>market coordination</td>
<td>32</td>
</tr>
<tr>
<td>market efficiency</td>
<td>26</td>
</tr>
<tr>
<td>market failure</td>
<td>337</td>
</tr>
<tr>
<td>market niches</td>
<td>330</td>
</tr>
<tr>
<td>market-based relationships</td>
<td>351</td>
</tr>
<tr>
<td>market-based value chains</td>
<td>355</td>
</tr>
<tr>
<td>upgrading</td>
<td>366–8</td>
</tr>
<tr>
<td>Markussen, A.</td>
<td>342</td>
</tr>
<tr>
<td>Marshall, A.</td>
<td>2, 371</td>
</tr>
<tr>
<td>Martin, R.</td>
<td>201, 205</td>
</tr>
<tr>
<td>Maskell, P.</td>
<td>371</td>
</tr>
<tr>
<td>Mathews, J.</td>
<td>256, 374</td>
</tr>
<tr>
<td>Mauritius</td>
<td>356, 359</td>
</tr>
<tr>
<td>Mekelburg, E.</td>
<td>204</td>
</tr>
<tr>
<td>Melo, A.A.</td>
<td>269</td>
</tr>
<tr>
<td>Menzel, U.</td>
<td>327</td>
</tr>
<tr>
<td>Merck, J.</td>
<td>89</td>
</tr>
<tr>
<td>Messner, D.</td>
<td>3, 6, 14, 21, 23, 59, 60, 80, 337</td>
</tr>
<tr>
<td>Mexico</td>
<td>359, 365</td>
</tr>
<tr>
<td>Meyer-Stamer, J.</td>
<td>3, 10, 59, 175, 178, 191, 327, 331, 337, 339, 340, 343, 352, 376</td>
</tr>
<tr>
<td>MIC (Market Intelligence Center of Institute for Information Industry)</td>
<td>241, 243, 246, 247, 251</td>
</tr>
<tr>
<td>Mitsuhashi, K.</td>
<td>350</td>
</tr>
<tr>
<td>Mittelmann, J.H.</td>
<td>25</td>
</tr>
<tr>
<td>Mizuhashi, Y.</td>
<td>242, 244</td>
</tr>
<tr>
<td>modular production networks</td>
<td>351–2, 364, 374</td>
</tr>
<tr>
<td>Morgan, K.</td>
<td>3, 205</td>
</tr>
<tr>
<td>multi-chain strategy</td>
<td>374</td>
</tr>
<tr>
<td>multiple linkage strategy</td>
<td>261</td>
</tr>
<tr>
<td>Mytelka, L.</td>
<td>141</td>
</tr>
<tr>
<td>nation states</td>
<td>39</td>
</tr>
<tr>
<td>Navas-Alemán, L.</td>
<td>8, 30, 132, 359, 367</td>
</tr>
<tr>
<td>neo-Schumpeterian model of industrial development</td>
<td>336</td>
</tr>
<tr>
<td>neoliberal view</td>
<td>5–6, 24–6</td>
</tr>
<tr>
<td>network theory</td>
<td>32</td>
</tr>
<tr>
<td>network-based chains</td>
<td>354–5, 374</td>
</tr>
<tr>
<td>upgrading in 362–6</td>
<td></td>
</tr>
<tr>
<td>network-based global economy</td>
<td>6</td>
</tr>
<tr>
<td>networks 31, 43, 80, 111, 350–51</td>
<td></td>
</tr>
<tr>
<td>and standards 59–60</td>
<td></td>
</tr>
<tr>
<td>networks of corporations</td>
<td>29</td>
</tr>
<tr>
<td>NGOs (non-governmental organizations)</td>
<td>33, 34</td>
</tr>
<tr>
<td>and child labour 319–20</td>
<td></td>
</tr>
<tr>
<td>and global standards 55, 58, 59</td>
<td></td>
</tr>
<tr>
<td>and standards 71, 73, 80</td>
<td></td>
</tr>
<tr>
<td>Nooteboom, B.</td>
<td>209, 229</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
North, D. 36
Novak, S. 99

Observatory of European SMEs 3
Ocampo, J.A. 26
ODM (own-design manufacture) 206, 239, 241, 244–6, 248–50, 254–5, 261, 356, 358, 360, 369, 371
OECD 73, 274, 326
Olson, J.P. 36
operational effectiveness 329–30

Pakistan 47
Sialkot export manufacturing cluster, child labour standards 317–20, 322
Sialkot industrial clusters 297–325
Sialkot surgical instrument cluster 46, 298, 300–301, 322
changes in ISO 9000 certified firms 305, 306
costs and time taken for ISO 9000 certification 302, 303
European market 309
export markets 309
external buyers 303–4
and global quality assurance standards 301–4
GMP standards 314–16
ISO 9000 301–2, 308–13, 315, 316, 317, 323
and competitiveness 304–7
joint action 314
local institutions 301, 303
performance and certification 306–7
price competition 311
quality assurance certification 302
sources of know-how on ISO 9000 304
subsidies 303
Palpacuer, F. 359
Pambiano 147, 149
parallel experimentation 371
personal computer industry, Taiwan 233–64
personal computer value chain functional upgrading 246
upgrading trajectory 241–50
policy networks 14–15, 337
Ponte, S. 350
Porter, M.E. 3, 21, 29, 201, 218, 234–5, 329, 341, 371
Powell, W. 32
price 353
price competition 1
Principles of Economics 2
private governance 339–40
private sector collective action 340
process standards, and transaction costs 266
product definition 6, 353
product differentiation strategy 99
product standards 366
Pyke, F. 3, 201

Quadros, R. 13, 45, 68, 100, 268, 288, 290, 338
quality control 100
quality management standards 62–71
quality standards 266
quasi-hierarchical value chains 115
and functional downgrading of developed country firms 361–2
upgrading of developing country producers in 355–61
quasi-hierarchy 31, 43, 111, 141, 351, 352–4, 375
R&D 210–11, 247, 252, 256, 257, 365
Rabellotti, R. 4, 9, 30, 42, 110, 140, 142, 163, 330, 361, 376
‘race to the bottom’ 27, 54, 86, 224, 376
Raines, P. 326
Reardon, T. 54, 68, 69, 70, 87, 100, 322
reflexive locational policy 343–4
regional upgrading 333
regions 20–21
significance of global standards 44–7
in the world economic triangle 47–8
and the world market 22
‘Regions and the new economics of competition’ 3
Spain
apparel retailers 331–2
Castellón tile cluster 184–91, 343–4
ASCER 189
associations 189–90
Ceramics Technology Institute (ITC) 190
downstream activities 187–8
exports 187
industrial evolution 185–7
Institute for the Promotion of Ceramics Design (ALICER) 190
local governance 189–91
Spulber, D. 97
Staber, U. 197
standards
business, defined 73–7
certification 66, 300, 313, 375
company based quality assurance 87
compliance 67, 321
defined 56
environmental 88
environmental and social 71–84
European Retailers Representative Group's Standards on Good Agricultural Practices (EUREP-GAP) 69, 70
generic public–private social minimum 81–4
global quality management 45
Hazard Analysis and Critical Control Point (HACCP) 69
health and food safety 68–71
international quality assurance, and local cluster governance 321–2
international technical 45
ISO 9000 62–7, 84, 87, 265, 269, 272, 298, 301–2, 318
evolution and development 299–300
and subcontractors 311
and value chain linkages 308–13
ISO 14000 77
ISO/TR 16949 272
monitoring 84, 86
and networks 59–60
NGO–business defined 77–81
policy cycle 58–9
product and process 56–8
QS 9000 68, 278
quality 266
quality management 62–71
SA 8000 81–2, 83
sanctions on non-compliance 67, 300
Sanitary and Phytosanitary Standards (SPS) 69
sector-and firm-specific 67–8
trajectories 86–90
typologies 84–6
and value chain governance 102–5
see also global quality standards; global standards
Stiglitz, J. 26
Storper, M. 21
Strambach, S. 3
strategic locational policy 344–5
stratified public governance 6
Sturgeon, T.J. 54, 351, 364
subcontractors, and ISO 9000 311
subsidiaries 351
Sunley, P. 201, 205
supplier failure 6–7, 106, 107
losses from 353
suppliers 366, 375
surgical instruments 10–11, 15, 206
innovation 220
minimal invasive surgical instruments (MIS) 224
see also Germany, Tuttlingen surgical instrument cluster; Pakistan, Sialkot surgical instrument cluster
Sweden, apparel retailers 331–2
systemic competitiveness 24
Taiwan 11–12
personal computer industry cluster 233–64, 355, 365, 369
ACER 252
backward linkages 250–51, 253–5
bootstrap strategy 252, 255
competition 244–5
global logistics 245–6, 250
global operations 253–7
history 241–7
horizontal linkages 251–2, 255–6
in-house learning 256
institutional linkages 252–3, 256–7
local linkages 250–60
local supply base 254–5
marketing 248–9
offshore production 240
overview 234–9
price competition 255
product design 247–8
R&D 248, 252
rate of OEM/ODM 249
sub-products 236, 238, 239–40
upgrading 237, 240, 241–9, 258–9
shoe industry 367–8
technology policy 252–3
territorial upgrading, and the life cycle paradox 333–8
Testa, S. 140
Tewari, M. 350, 367
Thailand, furniture clusters 350
tile industry 9–10, 16, 42, 340
customers 177
final sale points 177
latecomer industrialization 191–4
simultaneous downgrading and upgrading 331
structure 175–7
suppliers and innovation 194–6
upgrading 174–99
upgrading strategy 197
see also Brazil, Santa Catarina tile cluster; Italy, Sassuolo tile cluster; Spain, Castellón tile cluster
tile value chain 175, 191–4
demand side 176–7
supply side 176
trade 95–6
trade fairs 368
transaction costs, and process standards 266
Transfair (or Fairtrade) label 78
Tuttlingen see Germany
Tybout, J.R. 360
UK
Ethical Trading Initiative (ETI) 82–3
ETI standards 33–4, 35
exports from Africa earlier 350
Food Safety Act 102
UNCED 71
UNICEF 318
UNIDO 66, 69, 371
universal social standards 33
upgrading 7–8, 42, 110, 328–30
  by operating in different types of
  chains simultaneously 369–70
  and chain governance 349–81, 375
  and compliance 321
of developing country producers
355–61
functional 111, 123, 124, 126, 128,
  130, 136, 142, 209, 239, 265–6,
  329, 339, 352, 358, 376
buyer power as an obstacle to
359–60
in the personal computer value
chain 246
incremental and radical 209
individual firms’ strategies 261
inter-sectoral 329, 352
local policy 14–17
local strategies 200–232
locational 341
in market-based value chains 366–8
in network-based chains 362–6
process 111, 142, 209, 266, 328, 339,
  352, 356–8
product 111, 142, 209, 266, 329, 339,
  352, 356–8
types of 332
regional 333
territorial 333–8
and value chains 338–41
US
Food and Drug Administration
(FDA) 301
GMP standards 312, 314–15
value chain 114–15
value chain governance 97–8, 100–101,
  141
and standards 102–5
value chains 6, 7, 54
linkages and ISO 9000 308–13
private governance in 29–32
  and upgrading 338–41
van Liemt, G. 57, 73, 83
vertical integration 32
Von Tunzelmann, N. 371
Wallis, A.D. 326
Wältring, F. 12, 33, 95, 266, 274, 338
Wang, W.-C. 253, 256
Ward, K.G. 327
Washington consensus 24
Weiss, A.M. 300
Westphal, L. 371, 374
Whitford, J. 229
Widmaier, U. 331
Williamson, J. 32
Williamson, O.E. 24
Wilson, S.R. 63
Wong, K.-C. 359
Wood, A. 1
world economic triangle 22–3, 28–40
  local development strategies in
  40–47
  regions in 47–8
world economy 20, 27
  as a ‘black box’ 22
  global governance in 23–8
World Health Organization (WHO) 69
world market, and regions 22
World Trade Organization (WTO) 69
Worldwide Fund for Nature (WWF)
  78
Yanz, L. 81, 82
Young, O.R. 27
Zhou, F.-Y. 248, 252
Zucker, L.G. 159