Index

Abraham, V. 228
Admission of Mainland Professionals Scheme 141–2
Advisory Committee on Diversification 128
Aggarwal, A. 86, 87
Altenburg, T. 51, 96, 114
Amin, Ash 257, 258
Aminullah, Erman 149, 151, 166, 168
Amsden, A.H. 104, 107, 172, 297
Angel Tax System 219
Aoki, Masahiko 304
APTech 249
Arcasia 269, 270; see also Singapore Science Park
Archibugi, D. 6, 75, 76
Arndt, Olaf 258
Arnold, E. 101, 104, 107, 108
Arocena, Rodrigo 4
Arora, A. 227, 228, 234
ASEAN countries
   IT infrastructure 239–49
   NIS implications 250–52
Asheim, B.T. 76, 257
ASTRI (Applied Science and Technology Research Institute) 141
Athreye, S. 227
Audretsch, D. 51
Aw, Bee-Yan 206, 224
Baker, C. 111
Balitbangda (Regional Agency of R&D, Indonesia) 171
Bangalore
   Motorola 66–7
   Regional Computer Centre 234
   Software Technology Park 235
   specialist manpower 47
   Texas Instruments 67, 238
Bappenas 157
Batam Island 90–91
Bathelt, H. 77, 79, 92
Battat, J. 51
Becattini, Giacomo 257
Beier, C. 91
Bell, M. 106
Bellon, B. 76, 80
Berger, Suzanne 130, 132, 135
Best, M.H. 51
Bhalerao, N. 86
Bhattacharya, Amar 159
BIOTECH 42
Boekema, Frans 257
Boon Hui Tan 263
Booth, A. 89, 160
BPPT (Agency for the Assessment and Application of Technology) 169–70
Braczyk, H.-J. 76, 79, 257, 295
brain drain
   hypothesis 54–5
   India 70, 86
Branstetter, Lee 213
Brimble, P. 107
Brown, Colin 153
Bunnell, T. G. 76, 77, 78, 79, 80, 81, 258
Burton, R.M. 19
Cambodia
   human capital constraints on IT 247
   IT policy initiatives 242
   IT production 244–5
   see also ASEAN countries
Carney, Michael 142
Carrillo, J. 51
CDMA (Code Division Multiple Access) 183, 189–90
CEPA (Closer Economic Partnership Arrangement) 137–8
Chandler, Alfred D. 173
Chang, H.-J. 104

313
Index

Chantaramonklasri, N. 106
Chao, Tzu-yang, see Zhao, Ziyang
chemical industry, see Jurong Island Chemical Complex
Cheng, Leonard K. 129, 135
Chesnais, F. 75
Chew, Yoke-Tong 258, 263, 273
Chia, Siow Yue 259, 263
China
innovation policy learning
future 306–8
mechanisms of transformation 303–6
sources 301–3
triggering factors 300–301
transition challenge 8, 14–15
see also Hong Kong, history, 1980–89 opening of China
Chinese Academy of Sciences 302
Chinese Indonesians 153–5
Chiu, Stephen, W.K. 129
Cho, Hyun-Dae 188
Choi, Y. 183, 188, 298
Chotiya, P. 112
Chowdhuri, A. 76, 77
Chung, KunMo 189, 190
Clarke, A.E. 279
Clayton, D.V. 127
cluster development nurture, Singapore 280–84
clusters
definitions 257
and labour costs 26–7
and natural resources 27
Singapore 258
and standards 36
see also India, IT spatial agglomeration
Coe, N.M. 76, 77, 78, 79, 80, 81, 258, 269
Cohen, M. 90
Cohen, Wesley M. 211
Com Centre 248
competition, globalization 6–7
Confucianism 185
contingency mismatch, definitions 4
Cooke, H. 295
Cooke, P. 76, 79, 257
copyright, see IPR
corridors of specialization 46–7
corruption, see KPK (Commission for Eradication of Corruption)
CP Group 44–5
Cribb, Robert 153
Cyberport 139–43
Dahlman, C. 107
Davies, Howard 123
D’Costa, A.P. 227
decentralization vs centralization 17
Depner, H. 77, 79, 92
Desai, A.V. 86
development research 18
Dicken, P. 77, 81, 91
Dikshit, P. 66
Donaldson, L. 19
Doner, R. 104
Dosi, G. 296
double-loop learning 23
Edquist, C. 19, 75, 76, 79, 95
Einhorn, Bruce 140
Eisebith, G. 85, 90, 91
Eisebith, M. Fromhold- 77, 81, 85, 86, 87, 88, 90, 91, 173
Eisenberg, Rebecca S. 211
Ellison, G. 257
embedded knowledge, as knowledge transport 33–9
Enos, J.L. 77
Enright, M. 128, 129, 132, 135
EST (expressed sequence tag) patents 217
ETRI 189–90
Evans, P. 104
Exim Bank 237
FDI
acquisition by intervention 48
Japan 201–3
Singapore 259–63
Thailand 104
Feldman, M.P. 51
Ferguson, Robert 128
Ferrazzi, G. 91
financial incentives 117, 202, 258
financial institutions 113, 117, 236
Flaherty, M. 51
Florida, Richard 142
Foray, D. 5
Freeman, C. 3, 15, 19, 75, 76, 77, 79, 80, 92, 179, 228, 229, 295, 297
Freeman, N. 114
Fritsch, M. 78, 80
Fröbel, Folker 259
Fromhold-Eisebith, M. 77, 81, 85, 86, 87, 88, 90, 91, 173
FTI (Federation of Thai Industry) 111–12
Fujita, Masahisa 257
Fukuyama, F. 192

Gammeltoft, P. 90, 175
Gassmann, O. 51
Gedajlovic, Eric 142
Gee, S. 100, 224
Georgiou, L. 303
Gertler, Meric S. 258, 273
Glaeser, Edward L. 257

globalization
  definitions 149
  as incomplete 6–7
  regional differences 7–8
globalizing economy
  definitions 6
  and learning economy 6–7
Goh, C.B. 263, 269

Golkar 155
Goto, A. 107, 111, 201, 203, 204, 211
government
  Indonesia, capacity 152–3
  Korea, innovation promotion 188
  Thailand 102–6
government policy 10, 13, 102, 106, 117–18, 129, 145, 155, 195, 204, 213, 271, 293
Grabher, G. 51
Gresov, C. 19
growth, inherent limits to 4–5
Gu, S. 301, 305, 306
Guangdong Province 134–5; see also PRD

Habibie, B.J. 90, 157–8, 162–3, 169
Hamilton, G. 131
Hanna, N. 51
Harianto, Farid 154, 172
Harilal, K.N. 227
Heeks, R. 86, 227, 233, 237
Heidenreich, M. 295
Heller, Michael A. 211
Henderson, J.W. 129, 259
Henderson, Rebecca 221
Héraud, J.-A. 81
Hill, H. 89, 91, 153, 156, 159, 162, 163
Hirschman, A. 257
HKIEC (Hong Kong Industrial Estates Corporation) 140
HKITCC (Hong Kong Industrial Technology Centre Corporation) 140
HKPC (Hong Kong Productivity Council) 128, 132
Hline University 245
Ho, Kong Chong 281
Hobday, M. 107, 123, 129, 186
Hong Kong
  historic undervaluation of innovation 123
  historic/spatial analysis framework 124–6
history
  1900–50 early history 126–7
  1950–79 Cold War period 127–9
  1980–89 opening of China 129–31
  1990+ Crown Colony to SAR 131–3
  innovation system 143–5
  and Pearl River Delta 135–9
  transition challenge 15–16
  see also Cyberport
Hong Kong Productivity Council (HKPC) 128, 132
Hongs 127
Hotz-Hart, B. 75, 76, 77, 81, 94
Hou, C. 100
Hou, Chi-Ming 224
Howells, J. 79, 81
Hudson, Ray 258
Huff, W.G. 259, 263
Hyundai-Kia Motor Co. 184, 189–92

IDF (Innovation Development Fund) 113
IFCT (Industrial Finance Corporation of Thailand) 113

India
  cultural differences from US 65–6
  Exim Bank 237
  ICT, overview 227–8
industry associations 238
institutional infrastructure 229–33
IT spatial agglomeration 238–9
NSI, overview 228–9, 250
NSSI compared to Indonesia 92–4
NSSI features 85–8
procurement policies 236–7
R&D 236
software development infrastructure 234–6
software development manpower supply 233–4
software piracy measures 237
STP (software technology parks) 235–6
transition challenge 8, 14
Indian IT service industry
development phase 64–7
and Indian transnational community 63–4
maturity phase 67–9
Indian transnational community
Indian IT service industry 63–4
IT offshoring 66–9
Indonesia
competition 161
corporate structure 171–3
ethnicity 153–5
future 173–4
global competitiveness 151
government capacity 152–3
industrial policies 164–5
industrial transformation 149–50
institutions 168–71
investment regime 160
macroeconomic policies 159–60
NSSI compared to India 92–4
NSSI features 89–92
political economy 151–8
Pribumi business groups 154–8, 171–2
R&D 150, 166
skills 165–8
technology policies 162–4
trade regime 160
transition challenge 14
industry, and universities 17
Infosys 66
innovation and IT 25–6
as non-linear 24
as ordinary 23
path dependency 25
requiring moderation 25
systemic character 22–6
innovation system building example, shrimp farming 41–5
innovation systems
definitions 293–5
evolutionary character 295–6
NSI, RSI, ISI interdependencies 78–81
paradigm shift need in policy analysis 296–7
policy learning
future 306–8
importance 299–300
and international politics 297–9
mechanisms of transformation 303–6
sources 301–3
triggering factors 300–301
institutions
definitions 3–4
Hong Kong 128
India 229–33
Indonesia 168–71
and offshoring decisions 59–61
Thailand 115–17
Intel Corporation, Penang, Malaysia 38–9
intervention
acquisition of FDI 48
agreed specialization 46–7
developing locational advantages 47–8
promoting knowledge transfer 48–50
requirement for 45–6
intra-national digital divide 242
IPR (intellectual property rights)
Indonesia 164
Japan 208, 211, 217–19
see also royalty payments, Japan;
software piracy measures, India
ISI (international systems of innovation)
<table>
<thead>
<tr>
<th>Index</th>
<th>317</th>
</tr>
</thead>
<tbody>
<tr>
<td>definitions 76–7</td>
<td>knowledge-based economy, and learning economy 5–6</td>
</tr>
<tr>
<td>NSI/RSI interdependencies 78–81</td>
<td>knowledge-based locations vs labour cost-based locations 28–9</td>
</tr>
<tr>
<td>Islam, I. 76, 77</td>
<td>Ko, Sangwon 194</td>
</tr>
<tr>
<td>ITF (Innovation and Technology Fund) 140–41</td>
<td>Korea</td>
</tr>
<tr>
<td>Japan</td>
<td>automobile industry 184, 190–92</td>
</tr>
<tr>
<td>biotechnology 212–13</td>
<td>economic performance 179–80</td>
</tr>
<tr>
<td>business system 207–8</td>
<td>education 187, 193–4</td>
</tr>
<tr>
<td>IPR 208, 211, 217–19</td>
<td>export orientation 185–6</td>
</tr>
<tr>
<td>national innovation system 200, 201–5, 222–3</td>
<td>government innovation promotion 188</td>
</tr>
<tr>
<td>R&amp;D 204, 206, 208, 212, 221–2</td>
<td>hard-working attitude 185</td>
</tr>
<tr>
<td>science-based industries 208–13</td>
<td>vs Japan 205–7</td>
</tr>
<tr>
<td>start-ups promotion 219–21</td>
<td>labour unrest 193</td>
</tr>
<tr>
<td>transition challenge 7, 15</td>
<td>mobile telecommunication services 183–4, 189–90</td>
</tr>
<tr>
<td>university–industry collaboration 213–17</td>
<td>overview 197–8</td>
</tr>
<tr>
<td>vs Korea and Taiwan 205–7</td>
<td>professional manpower immobility 194–5</td>
</tr>
<tr>
<td>Japan–Singapore Petrochemicals Company 281</td>
<td>R&amp;D 181–2, 187, 196</td>
</tr>
<tr>
<td>Jensen, M.B. 307, 308, 309</td>
<td>regional innovation 195</td>
</tr>
<tr>
<td>Johnson, B. 3, 6, 19</td>
<td>semiconductor industry 182–3, 188–9</td>
</tr>
<tr>
<td>Johnson, C. 104</td>
<td>sequential capability building 186</td>
</tr>
<tr>
<td>Johnston, R. 51</td>
<td>social trust 192–3</td>
</tr>
<tr>
<td>Jones, Gawin W. 165, 166</td>
<td>technical strengths 298</td>
</tr>
<tr>
<td>Joseph, K.J. 227, 228, 229, 231, 235, 238, 253</td>
<td>transition challenge 15</td>
</tr>
<tr>
<td>Jurong Island Chemical Complex 280–84</td>
<td>Koschatzky, K. 78, 79, 80, 96</td>
</tr>
<tr>
<td>Kadin 155–6</td>
<td>KPK (Commission for Eradication of Corruption) 153</td>
</tr>
<tr>
<td>Kagawa, M. 51</td>
<td>Krueger, A.O. 51, 308</td>
</tr>
<tr>
<td>Kaosa-ard, M. 51</td>
<td>Kumar, N. 227, 228, 252</td>
</tr>
<tr>
<td>Kaplinsky, R. 50, 51</td>
<td>Kwong, Kai-sun 142</td>
</tr>
<tr>
<td>Keeble, David E. 257</td>
<td>Kyaw, Aye 248</td>
</tr>
<tr>
<td>Keller, W.W. 151</td>
<td>labour cost-based locations</td>
</tr>
<tr>
<td>Kelly, Philip F. 269</td>
<td>building knowledge-based advantages 29–39</td>
</tr>
<tr>
<td>Kenney, Martin 142</td>
<td>vs knowledge-based locations 28–9</td>
</tr>
<tr>
<td>KI Asia (Kenan Institute Asia) 112</td>
<td>labour costs, and clustering 26–7</td>
</tr>
<tr>
<td>Kim, L. 100, 107, 185, 186, 187, 188, 189, 192, 206, 224, 297</td>
<td>labour unrest, Korea 193</td>
</tr>
<tr>
<td>Kiyota, Kozo 204</td>
<td>Lall, S. 51, 77, 81, 90, 104, 107, 162, 163, 164, 165, 169, 170</td>
</tr>
<tr>
<td>Kline, S.J. 51, 209, 296, 303</td>
<td>Landes, D. 51</td>
</tr>
<tr>
<td>KMT (Kuomintang regime) 127</td>
<td>Lao American College 248</td>
</tr>
<tr>
<td>Knorringa, P. 51</td>
<td>Laos (Lao PDR)</td>
</tr>
<tr>
<td>knowledge, as not totally codifiable 24</td>
<td>human capital constraints on IT 247–8</td>
</tr>
<tr>
<td>knowledge base, rationale for strengthening 22</td>
<td>IT policy initiatives 242–4</td>
</tr>
</tbody>
</table>
IT production 245

see also ASEAN countries

Laohathamatas, A. 111
Lateef, A. 51
Lauridsen, L. 104

learning economy

and emerging economies 7–8
and globalizing economy 6–7
and knowledge-based economy 5–6

Lebel, L. 51
Lee, Dal Whan 188
Lee, Kim Ming 139
Lee, KongRae 186, 187, 189, 190, 192, 194
Lee, Soo Ann 281
Lester, Richard K. 130, 132, 135

lifetime employment, Japan 220
Lim, Chong Yah 281
Little, Ian 159
Liu, X. 302, 304
Lloyd, Peter J. 281
Loh, Christine 127, 145
Lösch, A. 51
Low, Linda 259, 274, 281, 285
Lundvall, B.-Å. 3, 5, 6, 18, 51, 61, 75, 76, 79, 92, 95, 179, 228, 229, 257, 295

MacIntyre, Andrew 152, 153, 154, 155, 156, 173, 175
McKendrick, David G. 259, 263
Mackie, Jamie 152, 153
MacKinnon, Danny 258
MacLeod, Gordon 258
MAI (Market for Alternative Investment, Thailand) 114
Malecki, E.J. 75, 77, 80, 96
Malerba, F. 77, 78, 80, 81
Malmberg, A. 76, 80, 257
Mandalay University of Computer Studies and Technology 248
Mandalay University of Technology 248
Martin, Ron 257
Marton, K. 81
Maskell, P. 76, 80, 257
Mathews, John A. 263
Mendagri (Ministry of Home Affairs) 171
Menristek 169–71
Merges, Robert P. 211

Metcalfe, J.S. 293, 297, 303
Meyanathan, Saha Dhevan 157
Meyer, D.R. 123
Michie, J. 75, 76
MIEL (Motorola Bangalore subsidiary) 66–7
Mirza, Hafiz 259, 274
Mjøset, Lars 300
Mody, Ashoka 129
moonlighting jobs 90, 91, 153
Morgan, G. 51
Morris, M. 51
Mortimore, M. 51
Motorola, see MIEL
Moulaert, F. 96
Mowery, D.C. 76, 81
MTEI (Myanmar Machine Tool and Electrical Industries) 245
Mukdapitak, Y. 107
Myanmar
human capital constraints on IT 248
IT policy initiatives 244
IT production 245–6

see also ASEAN countries

Myanmar Computer Industry Association 245
Mytelka, L.K. 297

Nadvi, Khalid 257
Nagata, Akira 211
Nakamura, Yoshiaki 220
Narayana Murthy, N.R. 232
Narin, Francis 209
Narula, Rajneesh 257
NASSCOM (National Association of Software and Service Companies) 237–9
National University Corporation Law 217
natural resources, and clustering 27
Nelson, R.R. 18, 51, 75, 76, 78, 179, 211, 224, 228, 229, 295, 296
New Order regime 155–6, 159–60
Ng, W.H. 281, 283
NiDA 242, 247, 250
NIIT 249
Niosi, J. 76, 80
NISTEP (National Institute of Science and Technology Policy) survey 221–2
Index

North, D.C. 296
Norton University 247
NSI/NIS (national systems of innovation)
definitions 2–3, 75–6
RSI/ISI interdependencies 78–81
NSI/NIS case study
Thailand
financial intermediaries/markets 113–15
government 102–6
institutional context 115–17
methodology 101–2
private bridging organizations 110–13
private firms 106–8
summary 117–18
universities and government RTOs 109–10
NSSI (national supersystem of innovation)
characteristics 81, 94–6
definitions 78
India 85–8
India vs Indonesia 92–4
Indonesia 89–92
Obel, B. 19
O’Connor, D. 39
Odagiri, H. 107, 201, 203, 204, 207, 212, 216, 220, 221, 224
offshore outsourcing, definitions 54
Oinas, P. 75, 80
Okamoto, Y. 150
Okazaki, Tetsuji 204
Olds, Kris 281, 285
Olivastro, Dominic 209
outsourcing, as Asian opportunity 30–32
Oxley, J.-E. 76, 81
Pangestu, Mari 154, 159, 160, 161, 172
Panglaykim, Jusuf 157
Parthasarathi, A. 228, 229
Patel, Pari 273
Patmasiriwat, D. 51
Pavitt, K. 179, 273
PCCW (Pacific Century Cyber-Works Company) 139
Pearl River Delta, see PRD
Peck, Merton J. 204
Penang, Malaysia
electronics industry 45–6
Intel Corporation 38–9
specialist manpower 47
Peng, M.W. 60
Pereira, Alexius A. 259
Perry, Martin 259, 263, 273, 281, 285
Phasukavanh, C. 106
Phillips, Su-Ann Mae 258, 270
Phondke, G.P. 87
Phongpaichit, P. 111
Porter, M.E. 51, 257, 274
Prakashi, S.C. 87
PRD (Pearl River Delta)
economic linkages with Hong Kong 135–9
as growth of Hong Kong 132, 135
location/definitions 134
Prihumi business groups 154–8, 171–2; see also Indonesia, ethnicity
private bridging organizations,
Thailand 110–13
private firms, Thailand 106–8
public intervention, necessity of 16–17
Pulau Ayer Merbau 281, 283
Pun, Ngai 139
Punas Ristek 162–3
Puspiptek (National Centre for Science and Technology Research) 170
PVK Computer Center 248
Pyay Technology University 248
R&D
India 236
Indonesia 150, 166
Japan 204, 206, 208, 212, 221–2
Korea 181–2, 187, 196
Singapore 263–4, 276
see also Balitbangda (Regional Agency of R&D, Indonesia);
Singapore, science parks
Rajan, Ramkishen S. 274, 285
Ramachandran, J. 66
Rattana Business Administration
College 248
Redding, S.G. 131
Régnier, Philippe 259
Reinert, Erik S. 297
Reinert, Sophus A. 297
Repelitas 162, 163
resource-based locations, upgrading 39–40; see also innovation system
building example, shrimp farming
reverse transfer of knowledge, Singapore 274–5
Rice, R.C. 90, 162, 175
Richardson, G.B. 71
RMIT (Royal Melbourne Institute of Technology) 249
Robertson, Paul L. 145
Robison, Richard 157
Rodan, Garry 263, 266, 274, 281
Rodrik, D. 304, 308
Rosenberg, N. 51, 75, 76, 78, 143, 179, 209, 224, 296, 303
Royal Dutch Shell 281
Royal University of Phnom Penh 247
royalty payments, Japan 203–4
RSI (regional systems of innovation) definitions 76
NSI/ISI interdependencies 78–81
RTOs (Research Technology Organizations), Thailand 109–10
RUK (Priority Partnership Research Program) 170
Ruttan, V.W. 300
Saenz, T.V. 309
SAIT (Samsung Advanced Institute of Technology) 183
Samadikun, Samaun 162, 166
Samsung Electronics Co. 183–4, 189
Samuel, R.J. 151
Samvdavanija, C. 111
Saxenian, A. 58, 67, 68, 141
Schmitz, H. 51, 257
Schumpeter, J.A. 51
Schwe, R. 237
Schwarz, Adam 175
SCIC (Singapore’s chemical industry cluster), see Jurong Island
Chemical Complex
science linkage, Japan 209
Scott, Allen J. 257
Scott-Kemmis, D. 106
Sekia, F. 96
Shell 281
offshoring decisions
institutional learning 61–2
institutions and 60–61
transnational communities in place of institutions 62–3
offshoring, definitions 54
Shourie, A. 252
shrimp farming, innovation system building example 41–5
SICGC (Small Industry Credit Guarantee Corporation) 113
Simmie, James 257
Singapore
cluster development nurture 280–84
clusters 258
economic history 259–63
future 284–6
science parks 263–73
SMEs developmental role 273–80
transition challenge 15–16
Singapore Science Park 263, 267, 269–73
Singh, Nirvikar 228
single-loop learning 23
Simsnasp3iptek 163
Sjöholm, F. 150
SK Telecom 183–4
SME Bank 113
SMEs
developmental role 273–80
R&D 276
Smith, K. 293
Soeharto (Indonesia President 1967–98) 11, 148, 152, 157, 171–2; see also Pribumi business groups
Soesastro, Hadi 160, 161
software piracy measures, India 237
Song, J.K. 183, 189, 192
Song, Wizin 194
Soon, Teck Wong 275
spillovers, definitions 24
Sripaipan, C. 104
standards
and clustering 36
India 237
Indonesia 164–5
and offshoring to India 68
Thailand 112
Steinmueller, W.E. 306
Sternberg, R. 78, 79, 80, 96, 258
Stiglitz, Joseph E. 309
Storper, M. 51, 257, 295
Index

STP (software technology parks)
India 235–6
Myanmar 245–6
Vietnam 246
see also Singapore, science parks
STPI (Software Technology Parks of India scheme) 88
Suehiro, A. 115, 116
Suh, J. 298
Suharto family 154; see also Soeharto (Indonesia President 1967–98)
Sumitomo Chemical 281
Sunley, Peter 257
Suttmeier, Richard P. 304, 307
Sutz, Judith 4
Swyngedouw, E.A. 125
Taiwan
vs Japan 205–7
technical strengths 298
see also TEEMA
Tamura, Shuji 204
Tan, Boon Hui 273
Tao, Zhigang 132
Tata Infotech 249
TCC (Thai Chamber of Commerce) 111–12
technological capabilities 7, 14, 28, 81, 86, 89, 104, 105, 106, 107, 109, 110, 116, 118, 148, 149, 150, 158, 165, 173, 174, 178, 183, 184, 186, 187, 190, 191, 194, 202, 204, 205, 252, 274, 297
technological indivisibilities 36–9
TEEMA (Taiwan Electrical and Electronic Manufacturers’ Association) 111
Texas Instruments (TI) 64, 67; see also Bangalore, Texas Instruments
Thai Venture Capital Association (TVCA) 114
Thailand
capital market 114
government 102–6
history 100–101
industrial/technological development banks/funds 113–14
institutional context 115–17
private bridging organizations 110–13
private firms 106–8
RTOs 109–10
transition challenge 15–16
universities 109–10
venture capital 114–15
see also innovation system building example, shrimp farming
Thee, Kian Wie 89, 91, 150, 170
Thrift, Nigel 257
TI (Texas Instruments) 64, 67; see also Bangalore, Texas Instruments
TiE (The IndUS Entrepreneurs) 68
Tijuana, specialist manpower 47
Tiralap, A. 107
TLO (technology licensing offices) 216–17
Tödtling, Franz 273
TPA (Technology Promotion Association, Thailand–Japan) 112–13
transaction cost economics
limitations 57–8
make-or-buy decisions 56–7
and reputation 70
transnational communities 58–9, 68–71
transition, definitions 1–2, 4
transnational communities, transaction cost economics 58–9, 68–71
transnational corporations (TNCs) 29, 38, 107, 258, 263, 273, 274, 275–80, 285, 286
Tsui-Auch, Lai Si 128
Turpin, T. 114
TVCA (Thai Venture Capital Association) 114
UI (university–industry) collaboration, Japan 213–17
United Technologies Fuel Cells (UTCFC) 192
universities
challenges for 48
Hong Kong 131
and industry 17
Korea 194–5
Myanmar 248
Thailand 109–10
university–industry (UI) collaboration, Japan 213–17
Index

VAIP (Vietnam Association of Information Processing) 249
Van de Ven, Andrew H. 143
Vazquez-Barquero, Antonio 143
Velho, Lea 309
venture capital 69, 114–15, 133, 142, 219, 232, 236, 237; see also Thai Venture Capital Association (TVCA); Thailand, venture capital; TVCA
venture capitalists 68
Vientiane College 248
Vietnam
human capital constraints on IT 248–9
IT policy initiatives 244
IT production 246–7
IT use 242
see also ASEAN countries
Vietnam Association of Information Processing (VAIP) 249
Virasa, T. 108
Vongpivat, P. 105
Wang, Jason H.J. 258, 263, 284
Washington Consensus, Thailand 105
Weidman, J.C. 253
Westphal, L.E. 186
White, S. 302, 304
Whitley, R. 60
Wibisono, Christiano 172
Wilkinson, Frank 257
Winter, S.G. 296
Wong Ka-Chung 129
Wong, P. 100, 104
Wong, Poh Kam 263, 274
Wong, Siu-lun 127
Wong, Y.C. Richard 132
Wu, Changqi 129
Yangon University of Computer Studies and Technology 248
Yangon University of Technology 248
Yeung, Henry Wai-chung 258, 259, 263, 270, 273, 281, 284, 285
Young, R.C. 278
Yu, Tony F. 145
Zhao, Ziyang 302