Index

active labour market policies (ALMPs) 32, 86–7, 97–8
adoption, of new technology 58
Airbnb 37, 40, 43, 47
algorithms, use of 26
alternative work 60
Arntz, M. 29
artificial intelligence 13, 25, 26
Atkinson, A.B. 96
automation
  consequence of 22
  EU jobs at risk due to 27–8
  jobs with a high risk of 30
  in labour market 26
  replaceability of workers due to 78
  between routine and non-routine work 57
  skills, risk and consequences of 57
automotive and transportation economy 37
Bell, Daniel 38
Big Data, use of 14
  in financial sector 22
  impact on labour market development 20
  blue-collar workers 21
  bogus self-employment 81
casual labour 61
  collaborative economy see sharing economy
  collaborative employment 79–80
  collective bargaining 51, 74, 82
  coverage rate in EU countries 76
  company taxes 41, 93, 125
contracts
  fixed-term 58
  open-ended 58
  protection against termination of work contracts 70, 80
  zero-hours 32, 53, 59
cross-country inequality, in welfare 109
crowd employment 79, 80
crowd-labour, phenomena of 53
day care, for children 32
decision-making
  on labour market 51
  use of technology in 24
demand for labour 6, 12, 16, 79–80
digital economy
  features of 37
  job changes in 23
  self-employment in 34
  sharing economy and 37
digital “galley slaves” 24
division of labour 34, 51
dual labour market 103
  concept of 56
  forms of 54
economic inequality 102–8, 115
  degree of 109
  impact on welfare states 109
economic recession 13, 103
economic safety net 54
economic security 54, 66, 83, 100, 111
education attainment level
  impact on job security 32
  risk of being working poor depending on 67
  for upgradation of workers 87

147
Bent Greve - 9781786434296
Downloaded from Elgar Online at 08/29/2019 07:18:31AM
via free access
Technology and the future of work

Emmenegger, P. 54

employment
  collaborative 80
crowd 79, 80
growth of 52
legislation for protection of 53
of low-skilled people 5
of migrants 118
new forms of 19
non-regular 60
non-standard 52
prospects of 18
protection of see employment protection
security of 52, 54
employment protection
within Europe 78
and flexibility 77–81
replaceability, issue of 78
rules on hiring and firing of workers 77
for temporary workers 61–2
Eurofound 56
European Court of Justice 23
European Union (EU) 4, 33, 41, 77, 110

fair competition 39, 47, 49, 96
finance welfare services 98
financial crisis 3, 5, 22, 63, 68, 70, 88, 94, 105–6, 119
financial sector, use of Big Data in 22
financing, of welfare states 40, 47, 91–3, 107
fixed-term contracts 58–9
flexibility
  impact on job quality 79
  of labour market 77–81
  of working 53
flexicurity, idea of 52, 54, 83
for-profit economy 35
free movement of workers 78, 121–2
“freelance” work 47, 60, 79
Frey, C. 22, 26, 27
full-time work 58, 68
gender aspects, of labour market
  32
day care, for children 32
job loss 32
self-employment 32
gift-economy 90
Gini coefficient, of welfare regimes 105
Great Depression 13
gross domestic product (GDP) 6, 90
  as measure of societal development 43–5
guaranteed minimum income 94–7, 128

happiness, equality in 110–15
degree of 114
health insurance system
  employer-subsidized 54
  in United States 86
hidden economy, notion of 40–41, 43, 47, 78, 90, 91, 101
high-skilled jobs 9, 20, 25, 52, 103
demand for 16–17
high-wage jobs 22, 55
hospitality and dining economy 37
hotel taxes 40–41
household income, generation of 7, 34

IBM 25
income guarantee, in self-employment 40
income inequality 73, 99, 102, 105
share of income 107
income security 46–7
below the poverty line 67
  guaranteed minimum income 94–7, 128
old age pension 94
participation income 96
personal allowance 96
and single person average income 69
unemployment insurance system 94–5
wage income 84
Index

income taxes 41, 91–3, 96, 124
income transfers 85–6, 94, 98, 99, 125
Industrial Revolution 13, 14, 29
informal and undeclared work 59
information and communication technology (ICT) 19
information technology (IT) 6, 15, 23, 57
use in decision-making 24
insider-outsider in labour market, dichotomy of 50–58, 66, 79
International Labour Organization (ILO) 82
internet, use of 20
internships 59

job changes, in digital economy 23
job creation 31
and incidence of overqualification 29, 31
permanent job 13
technological impacts on 12, 16
job destruction, due to technological changes 16, 27
job growth 18, 103
job hierarchy 50
job insecurity see job security
job loss, risk of 27, 29
due to self-driving cars 29
in EU countries 27–8
gender aspects of 32
in low-qualified workers 29
in OECD countries 30
job mobility 11
job opportunities 65, 86
job polarisation 52, 55–6
job quality 38, 52, 60, 78
measurement of 46
replaceability and flexibility, impact of 79
job satisfaction 112
job security 38–9, 47, 52, 112
need of education in 32
in Nordic welfare states 53
job stability 56
job status insecurity 54
job training 87
jobless economic growth 5
jobless growth rate, rise of 17

Keynes, J.M. 13

Labour Force Survey 45, 63
labour market 2, 5–7, 10, 15
adoption of new technology in 58
automatic stabilisers of 86
automation, impact of 26
Big Data, use of see Big Data, use of
consequence of automation on 22
dual labour market see dual labour market
existing issues in 58–70
flexibility of 77–81
functioning of 51
gender aspects of 32
impact of technological development on 2, 12, 21–6
insiders versus outsiders in 50–58, 79
migrants’ position in 117–20
precariousness of 72, 79, 81, 115
regulation of 53
restructuring of 11
security of 52
segmentation of 60
segregation of 85
sharing economy in relation to 38
stability in 81–2
Swedish 55
trade union, impact of 77
United Kingdom (UK) 54–5
for unskilled labour 38
work–family life balance 11
labour market organisations 7, 73
labour mobility 117
labour productivity 17
labour-related security 52
labour-saving technologies 29
Lindbeck, A. 50–51
living in poverty, risk of 69, 71, 80, 106, 108, 127
long working hours, impact of 71
low-income jobs 22, 55
low-skilled jobs 9, 22, 25, 50, 117, 121
demand for 16
opportunities in 31
risk of job loss 29

machine learning 26
market economies 41
media and entertainment industry 37
middle-skilled workers 17, 25
migrants’ position, in labour market 117–20
changes in 121–2
employment rate 118
labour force participation 117
mean equivalised net income 120
risk of long-term unemployment 118–19
monopolies, development of 11

National Longitudinal Survey of Youth 104
Neisser, H. 17

occupational welfare 56, 108
occupational-based pensions 108
off-shoring, of jobs 55
oil crisis of 1970s 1
old age pension 94
on-call work 59, 60
on-demand economy 36
open-ended contracts 58
Organisation for Economic Co-operation and Development (OECD) 1
Osborne, M. 22, 26, 27
outsourcing, of jobs 9, 117
over-employment 65, 112
impact on wellbeing 71
overqualification, incidence of 29, 31
own-account workers 67
Paine, Thomas 94
participation income 96
part-time working 4–5, 38, 58, 63, 65
pension insecurity 115
personal tax allowance 96
platform economy 34, 36
data on 41–3
flexibility of working in 53
tertiary time and workplaces 53
posted work 59
poverty
poverty line 105
risk of 105–6
PricewaterhouseCoopers (PwC) 41
printing industry 14
professions, in danger due to technological change 21–6
in EU countries 27–8
in high-skill areas 25
in service industry 26
quality of life 43, 110–12, 128
long working hours, impact of 71
quality of work factors influencing 70
impact of technology on 59
working time preferences 112
real wage index development, in developed countries 71
replaceability, of workers by automation 78
employment protection and 77–81
and job quality 79
retail and consumer goods 37
robot, use of 20, 24, 26, 57
routine jobs, replacement of 55, 56
self-driving cars, job loss due to 2, 29
self-employment 5, 7–8, 22, 40, 45, 53, 54, 58, 73, 128
blurring of line with employed 67
bogus self-employment 81
concept of 67
Index

in digital economy 34
financial crisis 68
gender aspects of 32
and membership in trade unions 76
minimum income guarantee 40
payment for the delivered work 40
sickness benefit in 40
social security in 40
unemployment benefits 68
in welfare states 40
without any employees 67, 68
self-esteem 66, 111
service economy 121
service industry, impact of technology on 26
service jobs, poorly-paid 21
sharing economy 34, 42, 80
categories of 36
characteristics of 36
consequence of working in 54
cost–benefit calculation 89
definition of 35
development of 41, 49
and digital economy 37
diversities and possibilities within 35
examples of 37
and financing 89–91
for generating extra income 48
interpretation of 37
meaning of 35–41
nature of 35
and on-demand economy 36
payment of taxes in 91
pros and cons of 35, 39, 45–8
in relation to the labour market 38
skill shortages, risk of 32
skill-biased technical change 16
skills-biased development 103
Smith, Adam 13
Snower, D. 50–51
social capital 87, 109–10, 125
social empowerment 11
social esteem 51
social investments 85, 88, 100
social security 34, 48, 84
contributions to 41
coverage for 47
health insurance 54
and occupational welfare 56
in self-employment 39–40, 81
welfare states 86, 111
societal development, measurement of 43–5
standard of living 28, 96, 122, 128
Swedish labour market,
development of 55
tax havens 39, 47, 90, 92, 93
taxes
avoidance of 90
capital 98, 125
collection of 86
company 41, 125
evasion of 89, 91
hotel 41
income 41, 93, 98
land 98
marginal tax rate 106
payment of 47, 91, 98
personal tax allowance 96
reporting 47
in sharing economy 91
Tobin tax 93
on wealth 93, 98
technological change, impact of
on financial sector 22
on jobs 13, 58
professions in danger due to 21–6
on quality of work 59
routine-based 56
on service industry 26
on size and composition of workforce 26
size of the problem due to 26–32
skill-biased 56
technological development
bright side of 125–6
dark side of 124–5
impact of 2, 13
impact on size and composition of the workforce 26
labour-saving technologies 29
new technology, efficiency of 20
opposite positions on the impact of 16–19
optimistic version of 16–17
pessimistic version of 17–18
phases of 14
professions in danger due to 21–6
skill-biased technical change 16
unemployment due to see technological unemployment
which can save labour 38
technological unemployment
history of 12–16
impact on jobs 13
risk of 12, 17
temporary agency work 59
temporary jobs 60–61
employment protection of 61–2
in welfare states 61
Tobin tax, on financial transactions 93
tourism industry 38
trade unions 51–2, 73
density of change in 77
decline in 74
rate in EU countries 75
impact on labour market 77
legitimacy of 77
membership of 74–7
*erga omnes* approach for 77

Uber car sharing services 39–40, 47
underemployment 63
consequence of 65
definition of 61
development in 63, 64
issue of 3
rate of 63
unemployment 34, 45
active labour market policies (ALMPs) 32
compensation for 81
impact on life-satisfaction 112
impact on wellbeing 71
as measure of societal development 43–5
risk of long-term 118
technological unemployment
unemployment benefit
eligibility criteria for 54, 63
programmes of 86
in self-employment 68–9
unemployment insurance system 94–5
cost of 78
wage development 70
wage income 8, 73, 78, 84, 96, 103, 117, 128
wealth inequality 103
welfare states 32
active labour market policies (ALMPs) 32, 86–7, 97–8
Central European 3, 98, 124
challenges of 1–2, 27
change in 87–9
crisis of 84
development of 88
Eastern European 3, 27, 33, 61, 63, 65, 74, 99
economic inequality, impact on 109
financial activities 40
financial crisis of 2
financing of 40, 47, 91–3, 107
income transfers 94
Nordic 74, 88, 98–9, 123
preparation of 97–9
relation between jobs and 85–7
revenue for 39
self-employed people in 40
size and structure of 73
social capital 87
social security 86, 111
Southern European 3, 10, 53, 55, 61, 65, 99

Bent Greve - 9781786434296
Downloaded from Elgar Online at 08/29/2019 07:18:31AM
via free access
Index

spending and collection of taxes 86
universal welfare states 4
white-collar workers 21
work contracts 70, 80
work–family life balance 11, 53, 111
working time preferences 112

work-fare state 85
workforce, impact of technology on 26
work-status congruence 61
World Economic Forum 27
World Happiness Report 102, 110
zero-hours contracts 32, 53, 59