Index

3D printing 1–2, 6, 11, 87, 142–3, 182, 203, 254, 257
Designer movement 12
fused-deposition modelling (FDM) 187
impact on
copyright law 267–8
design law 268
trade secret law 268–9
trademark law 266–7
intellectual property issues 12, 259–62, 265–6, 271
rebalancing of 269–70
origins of 185
patents 259
CAD file issue 260–64
infringement issues 259–60
role in makerspace movement 12, 185–7, 189, 191, 197–9
scanning 258
start-ups 186
use of CAD files 259–62
DRM use 264–5
intermediary printers 263
protection of 264
3D scanning 12
Abbott, Andrew 40
academic research 121–2, 126–7, 130–33, 136
collaboration 122–3
challenges for 127
co-authorship 123, 127, 131
research 123–4
use of digital tools 131
journals 126–7
peer-reviewed 131
participation 124–5
challenges for 128–9
distributed computing 124
stakeholders in
individual researchers 132
research funders 132
research institutes 132
universities 132
transparency 125
challenges for 129–30
volunteers 125–6, 128
Accenture 243
ADEPT 393–4
Administrative Law 35
Affirm
founding of (2013) 114
Afghanistan 104
Airbnb 4, 373
Akamai 368
Algorithmic Revolution 355, 372–3
influence of 356
innovation policy 361, 375–6
services activities 356–8
Alibaba 115
payment service of 116
Alphabet 362
alternative dispute resolution (ADR)
system 308–9
Amazon.com 87, 198, 278, 362, 370–71
Amazon Marketplace 404, 412–13
Amazon Mechanical Turk (AMT) 292–4, 299, 304, 307
Amazon Payments 116
Kindle 360
use of IT in logistics operations 358
virtual servers of 369
American Bar Association (ABA) 25, 30, 36
Accreditation 29–30, 33
limitations placed on online learning 32–4, 36–7
regulatory function of 29
Standard 306 33
Task Force on Admissions
Regulation Reform 25
American Economic Review 130
American Law Institute 77
American Library Association (ALA) focus on copyright 143
formation of (1876) 136
Reference and User Services
Association
Interlibrary Loan Committee 138
American University
School of Communication
Center for Social Media 148
Washington College of Law
Program on Information Justice
and Intellectual Property 148
Apache 3
Apple, Inc. 87, 89, 108, 115, 117, 197, 356, 359
Apple Pay 115
iBeacon 216
iCloud
hacking of 281, 286
privacy protection efforts of 281
product lines of 66, 85, 115, 343, 357, 359–60, 364, 414
Appleyard, M.
observation of crowdfunding
platforms 319
application-specific integrated circuits
(ASIC) 228
Apollo Guidance Computer 357
Aragon, Cecilia 299
Arduino 187
Arizuka 314
Armstrong, M.B.
use of Technology-Enhanced
Training Effectiveness Mode 346
artificial intelligence (AI) 59, 348
potential use in healthcare/medicine
61, 65–6, 68–9, 76
traditional 45
ARTigo 124
Ashley Madison (social networking
database) 60
Association of Research Libraries 148
Office of Management Studies
Manual for the North American
Inventory of Research Library
Collections 137
AT&T 363, 368
Australia 88
mining sector of 359
Authors Guild 147
AvantCredit
loans originated by 112
Babyloan 324
Badiou, A. 174
Bank of America 116
Bank of England
personnel of 103
potential use of distributed ledger
technology 237
Bankier, J.G. 153
Banque Populaire Atlantique 321–2
Barnes, D. 232
Basel III Accords 106
Batty, M. 206–7
concept of 'Computable City' 207
Baumol, W.
view of mechanization 357
Bauwens, Michel
founder of P2P Foundation 198–9
Bayus, B.L. 325–6
Bazaarvoice 409
Bell, Daniel 294
Benkler, Y. 231
Berkeley Open Infrastructure
Networking Computing Grid
(BOINC) 241
Bernstein, E.
observation of gamification 347
Berra, Yogi 49–50
big data 41, 46, 51, 55, 68–9, 272–3, 275–6, 280, 283, 400–401, 410, 414–15
analytics 123, 279, 403, 406–7
barriers to entry 409
search engines 407–8, 410
competition policy 406–7, 411–12, 414, 416
abuse of dominant market
personal 415–16
facilitated collusion issue 411–12
vertical relationships 412–13
data harvesting 89
development of 53
impact on business models 405–6
ethics 286–7
industry 404
online platforms 404–5
privacy protection 272–4, 280
use in
digital health technologies
89–90
financial services 110–11
BioOne
Elementa: Science of the Anthropicacene 154
Blockchain 117, 225, 229, 234, 241, 393
Bitcoin XT 0.11C (2015) 226
blockchain of 9
double SHA256 hashing algorithm 229
ecosystem of 233
Mt Gox scandal (2014) 243
Blockchain Foundation 243
bKash
market share of 104
blockchain technology 9, 47, 225–6, 230–32, 245–6, 393
applications of
Digital Identity Providers 242–3
Ethereum 240–41, 393
global/supply commodity chains
244
Gridcoin 241
Ripple Labs 241–2
sidechain technology and smart contracts 237, 240
social uses of 244–5
voting systems 243
concept of 228
as decentralized public ledger 231, 234–5
criticisms of 235–6
protocol for sending, receiving and recording value 231–2
definitions of 229–30
hashes/hash functions 228
immutability 233–4
licensing model 233
open development method (ODM)
233
payment finality 226–7
private 230–31
Blockstream 235
Bluetooth
low energy (BLE) devices 216
Blunden, H.
observation of gamification 347
Boston Consulting Group 113, 421
Bourdieu, Pierre
forms of capital 204, 210–11
Bowen, W.G.
view of mechanization 357
Brabham, D.C. 314
Bradshaw, S.
observations of cloud computing in contract law 383–4
Brem, A. 318
observation of crowdfunding platforms 320
Brym, R.J.
online dating self-presentation study 171
Büchinger, C. 191
Burgess, J. 211
Buterin, Vitalik
definition of blockchain 229–30, 233–4, 236–7
founder of Ethereum 393
Cairncross, F. 182
Calo, Ryan
concept of ‘consumer subject review boards’ 284
Cambridge University 136
Cameron, James
Avatar 3
Canada 97, 412
online dating platform use in 170
Canon 359
capital
civic 210, 212, 217–18
markets 225
social 210–12, 218, 329
Capital One 116
capitalism
emotional 160, 174
CAPTCHA 124
Caragliu, A. 207
Carnegie Foundation for Advancement of Teaching 26
Preparation for the Professions 26–7
Carnegie Report 26–7
recommendations of 27–8, 34
Casio Computer Co., Ltd 359
Castells, M.
Information Age (media trilogy) 210
Caterpillar 362
Centurylink 391
Cerego 31
CERN
Large Hadron Collider 123
Chau, D. 225
Chen, Denny 147
Chesbrough, H.
observation of crowdfunding platforms 319
Chile
mining sector of 359
China, People's Republic of 51
banking sector of 112
online payments in 116
Christensen, Clayton
theory of disruptive innovation 11, 29, 37, 104–6
Chronicle of Higher Education, The 153
Chung, J.
identification of bank account penetration as indicator of state of market development 104
CIGI/Ipsos Global Survey of Internet Security and Trust (2014) 421
Cisco Systems 383
Civil Procedure 34
Clinical Legal Education Association (CLEA) 28
Best Practices Report 26, 28
cloud computing 14, 367, 392, 396–7
Cloud 2.0 392–6
role of smart contracts in 394–5
contracts 380, 390–91
decentralized 392–3, 395–6
definitions of 381
role in innovation policy 369–70, 372, 381–3
choice-of-law reform 386–90
exclusive-jurisdiction provisions 391–2
in legal institutions 383–6
use in digital archives 93
cloud robotics 2
CloudTimes Top 100 384
Coca-Cola 254
Cohen, Julie 278
Cohen, S. 358
Columbia University
university libraries of 135
Comcast 368
Commission d'enquête sur l'organisation et les moyens de la lutte contre les réseaux djihadistes en France et en Europe 332
Commonwealth Bank of Australia 245
competition policy 400–403
competition strategies 403
computer-aided design (CAD) 185
files 257–8
use in 3D printing 258–63
protection of 264
Concord Law School 36
Constitutional Law 35
Contract Law 34
copyright law 254
Digital Rights Infringement (DRM) 255–6
impact of 3D printing on 267–8
infringement 255–6
corporate social responsibility (CSR) 293
Crain, Marion
Invisible Labor 305
Cray-1 184
Cray-2 357
credit
risk 117
credit card 115
Crédit Maritime Atlantique 322
Crédit Proximea 322
Credit Suisse
report on Internet financing in China 112
CreditEase 112
Criminal Law 34–5
CRISPR-based genome editing 2
Crow, Raym 149
CrowdFlower 294
crowdfunding 6, 313, 331–2
advantages/disadvantages 316–18
backer's motives 324–6
positive herding 325–6
definitions of 313
emergence of 314–15
financing models
gift-based 322
investment-based 323–4
loan-based 322–3
Index 449

presale-based 322
reward-based 322
platforms 313–14, 319–21
capabilities of 319–20
management strategies 320–21
specialist 314
stakeholders 321–2
successful campaigns 327–31
variety of crowd resources 326–7
crowdsourcing 47, 291–2, 320
ethics in 297–300
labor 296–8
practices
  crowd creation 315
  crowd voting 316
  crowd wisdom 315
  crowdfunding 316
crowdwork 291–4, 296–8, 300–301
environmental benefits of 293
potential use of ADR in 308–9
significance of 295–6
transparency 302–6, 309
crypto-economics 226
cryptography 225
Cryptowall 432
Csikszentmihalyi, M.
  flow theory of 339–40, 348–9
Currie, Brainerd 388
cybercrime 14, 422–3, 430–31, 435–6, 442
cybersecurity 421–2, 430

cybersecurity 421–2, 430
child-abuse imagery sites 426
data breaches/identity theft 428–30
ransomware 431–2
Dartmouth College 141, 154
data mining 64–5
concept of 108
potential applications in healthcare 65
datafication
  concept of 3
dataaveillance 95–6
  predictive privacy harms from 96
dating platforms
  app-based 11
  web-based 11
De Souza e Silva, A. 210
  concept of ‘net localities’ 203
De Waal, M. 218
  CEO of McAfee 439
debt 25, 29, 35–6, 107, 111
  credit card 111–12
interest on 113
deCODE Genetics 72
DeLong, J.B. 358
Denmark 243
  no-fault medical injury compensation in 80
Derose, C.
  observations of blockchain technology 233–5
design law
  impact of 3D printing on 268
DeWalt, Dave
Dianrong 112
digital business process management 43
digital commons 5
digital economy 8, 412
digital goods 4
  reproduction and distribution of 4
digital health practices 91
digital health technologies 59–61, 85–6, 90–91, 93, 99
  concept of 87
critical digital studies 86–7
data security issues 95, 98–9
  use by second/third parties 97
gamification in 88
role in medicalization 92–3
Research handbook on digital transformations

surveillance issues 95–6, 99
use of big data in 89–90
wearable technology 94
digitization 3–4, 9, 40, 108, 121
concept of 1–2
impact of 3, 5–6
in financial services 107–8
of academic research 121–2
returns to scale 4
Directory of Open Access Journals 152
disintermediation 106–7
disruption theory
conditions of 111
distributed cryptoledgers 2
distribution channel theory
concept of 106–7
divorce
no-fault 48
DodoCase 186
Domínguez, A.
observation of gamification in education 340
Donath, J.S. 173
Dougherty, Dale
Vice President of O’Reilly Media 185
Dröge, K.
focus on emotional capitalism 174
Dropbox 369
Duch, Michael
prosecution of 425
Duolingo 315
eBay 3, 145, 386, 425
hacking of (2014) 429
internal dispute resolution program of 49
Egypt
Cairo 136
Ehrenreich, Barbara
Nickel and Dimed (2010) 302
Ellison, Larry
CEO of Oracle 380–81
Ellison, N.
online dating self-presentation study 171
Emory University 141
End User License Agreements (EULAs) 301
enterprise liability 76
in healthcare/medicine 77–8
loss spreading and victim compensation 76–7
entrepreneurship 6
Ericsson 359
European Commission 390, 407
European Patent Convention
Article 52 264
European Union (EU) 362, 375, 414
Court of Justice 285
Horizon 2020 132
Safe Harbor Framework invalidation of 285
eYeka 315
Fab Labs 5, 187–9
locations of 189
opening of 187
Facebook 7, 87–8, 115, 163, 208, 286, 374
acquisition of WhatsApp 409
Facebook Messenger 116
P2P payment product development within 116
FedEx
use of IT in logistics operations 358
financial services
credit-risk assessment 117
digital disruption 103, 106–7, 109–10, 117–18
concept of 104–6
digitization in 107–8
market making 117
P2P lenders 106, 110–12
use of learning algorithms and big data 110–11
payments system 113–15, 117
e-money 116
online 114–15
potential redistribution of profits within 116–17
Finland
no-fault medical injury compensation in 80
Fiore, A.T. 173
FitBit 343, 349
Fordham University 141
Foursquare 204, 212
locational check-in 216
Index 451

France 323–4

Charlie Hebdo attacks (2015) 314
High Court

LICRA v. Yahoo! 386
Paris 386
Freeman, Geoffrey T. 141
Friedman, Milton 232
Funding Circle

loans originated by 112
Future Cities Catapult 218

gamification 13, 303
applications of 231–17, 340
consumer-facing 343
educational 340–41
employee selection 342
training 341
workplace 341, 343
common workplace contexts 335–6
concept of 335
critiques of 344–5
definitions of 336–7
role in motivation al theory 344
impact on behaviour 338–9
in digital health technologies 88
research 345–8
use in smart cities 213–17
locational game platforms 216

Gandy, Oscar

concept of ‘panoptic sort’ 279
Gap 306
Garth, Bryant 27
General Electric (GE) 360
General Motors 359
Gengo 373
Georgia Institute of Technology 154
Georgia State University 147
Gerber, E.M. 325
Germany

economy of 421
Munich 124
online dating platform use in 170
Gershenfeld, Neil

Director of MIT Center for Bits and Atoms 187
Gettings, Nathan

co-founder of Affirm 114
GitHub 374
Global 2000 335
Global Cloud Index 383

Global Financial Crisis (2007–09) 103, 117
impact on digitization of financial services 108
global manufacturing chains 40
Global Positioning Satellite (GPS) 359
globalization 109, 291
GoFundMe 313
Android (operating system) 414
Android Pay 116
Google Book Search 147
Google Chrome 423
Google Now 208
Google Search 7, 405
PageRank 316
trend indexing 335

Gordon, E. 210
concept of ‘net localities’ 203
Gowers, Tim

Polymath project 125
Great Depression 302
Great Recession (2007–09) 23–4
Greater London Authority (GLA)

London Data Store 208
green economy 6
GreenBook Research Industry Trends Report 343

Grey Area

Shadow Cities 214
Groktion 256
Guardtime 281
Guerrini, F. 217
Guiso, L. 212

HackerSpaces.org

locations of 189
hacking 97, 281, 286
Hadoop 5, 401
Hagiu, A.

observation of crowdfunding platforms 319–20
Hahn, Karla 152–3
Haldane, Andy

Chief Economist and Executive Director of Bank of England 103

Hales–Jewett theorem 125
Hamari, J. 345–6
observations of gamification 340, 343
Handy 292
Hartzog, Woodrow
conception of privacy 275
Harvard University 32
faculty of 155
Harvard Law School (HLS)
Berkman Center for Internet and Society 293
Case Studies Program 154–6
Harvard Law School Library (HLSL) 154–6
Law Library 154
university libraries of 135–6
Hassairi, N. 304
Hathaway, Melissa 439
health insurance
premiums 94
healthcare/medicine 59–62, 81–2
accreditation organizations 79–80
care-based reasoning 64
computer-aided diagnosis 66–7
enterprise liability in 77–8
evidence-based 62–3
limitations of 63
potential application of software to 63
legislation
patient privacy 71
medical record systems 69–70
computerized provider order entry (CPOE) 69
e-prescribing 69
International Classification of Diseases, Clinical Modification codes (ICD-9-CM) 70
National Healthcare Information Network 65
potential use of
AI 61, 65–6, 68–9, 76
data mining 65
safety improvement programs 80
smart machines 59–82
smart machines 59–60, 67, 72–3
criticisms of 73–6, 79
HealthMap 89
HealthTap 88
Helmholtz Association of German Research Centres
Resonator podcast 126
Hemer, J. 322, 325
hidden algorithms 53–4
Higgins, G.R. 241
Hinge 160
Hitsch, G.J. 173
Home Depot 281
Homebrew Computer Club (HCC) 197
origins of 184
Howe, Jeff 314
classification of crowdsourcing practices 315–16
Htite, Soul
founder of Dianrong 112
Hui, J.S. 325
Human Genome Project 127
Hunicke, R. 348
Hunt, Gus
former CTO of CIA 281
Hunter, D. 348
Hwang, G.-J.
observation of gamification in education 340
hypercompetition
concept of 109
I Have Bitcoins (IHB) 245
Iceland
Health Sector Database 72
Illinois Wesleyan University 141
India 43
government of 242
Unique Identification Authority of India (UIDAI) 242–3
industrial commons 5
inequality
of income 7
of opportunity 7
information economy/society 294–5
innovation policy 13, 354–5, 362–6
impact of algorithmic revolution 361, 375–6
relationship with labor 373–4
role of IT in 354, 364–6, 368–9, 375
broadband networks 367–8
cloud computing 369–70, 372, 381–3
Index

infrastructure as a service (IAAS) 370
Internet backbone 368–9
targets of 361–2
Instacart 292
Instagram 88
intellectual property (IP) 254, 257, 265–6, 269–70
infringement 257
legislation 254–5, 268
potential rebalancing of 270–71
rights 187
design patents 254
International Business Machines (IBM) Corporation 360, 364, 393–4
Watson 44, 50–51, 55, 68
‘ROSS’ 41, 46
Internet 380–81, 421–3
development of 127
as free space 278
conceptions of 279
impact on university libraries 138–41
jurisprudence 386–8
Internet of connected objects and logistics (Internet of things/IoT) 6, 47, 53, 393–4
legislatting of 53
Internet Service Providers (ISPs) 256, 424
botnet mitigation 422, 438–9
patent law involving 260
Interpol
efforts to index Dark Web 437
Irani, Lily 292–3, 299
observation of AMT users 307
Iraq
Baghdad 136
Israrl 384
Japan 363–4, 375
Jewett, Charles C.
report for Smithsonian Institution (1850) 136
Jobs, Steve 197, 360
Johns Hopkins University 62
Joint Commission on the Accreditation of Healthcare Organizations 79–80
Jones, T.L. 241–2
Joyent 391
junk bonds 111
JVC 359
Kaggle 293, 349
Kahn Academy 5
Kalleberg, A.L. 296
Kaminska, I. 246
Kaplan, Inc.
schools owned and operated by 36
Kapp, K.M. 342
Kaspersky Labs
efforts to index Dark Web 437
Katz, Marty 28–9
Dean of Sturm College of Law 28
Kenya 103
Khan Academy
educational approach of 52
Kickstarter 3, 9, 313
projects 321, 324
success rates 323
Kimeldorf, H.
observation of ethical consumer habits 306
Kirby, E.
study of crowdfunding finance models 324
KissKissBankBank 320
Kittur, A. 293
Klout 204, 212
knowledge work 42–3
Koivisto, J.
observations of gamification 340, 343
Komatsu 362
vehicle range of 356, 359
Kozinets, R.V.
concept of Online Creative Consumer Communities (OCCC) 325
Krebs, Brian
observations of Target hack (2014) 430
Kroszner, R.S. 103
Kuppuswamy, V. 325–6
Kurt, Lisa 142
Kurzweil, Ray 49
labor 151, 293–4, 297
ethical 293
innovation policy 373–5
legislation 61
manual 258
micro- 296, 298
organizations 78
practices 13, 294–5
impact of global supply chains on 305
transparent 302–3, 305–6
standards
decline of 292
Lambert, T.
definition of crowdfunding 313
Landers, A.K.
observation of gamification in education 340–41, 349
Landers, R.N.
observation of gamification in education 340–41, 349
use of Technology-Enhanced Training Effectiveness Mode 346
Laney, Doug 401
law firms 23–4
structure of 43
law practice 23, 42, 45, 54
impact of digital development on 40–41
Law School Admission Test (LSAT) scores of 35
Lawton, K. 328–31
learning algorithms 4–5, 7, 13–14, 52, 109, 403
‘nearest neighbor’ 64
potential application in legal services 46–7
use in financial services 110–11
Lebraty, J.F. 330–31
legal education 23, 25–6, 41, 54–5
assessment methods 31
barriers to innovation in 29–30
criticisms of 24, 26–8
critical studies 26–7
distance education 30–31
diversity issues 34–5
experiential education 28–9
focus on doctrinal teaching 24
online learning 31–2, 36–7, 54
limitations placed on 32
use for first year of law school 32–4
practice-based 33
research agenda 55–6
legal services 44–5
digital transformation of 50–51, 53–4, 56
balancing tests 51
potential technology applications in 44–5, 49–50
digitally embedded law 47
document assembly 45
Internet communities 47
learning algorithms 46–7
online dispute resolution 49
paraprofessionals 48
LegalZoom 45–6, 49–50
legal challenges issued to 45
Lending Club 104, 106
personnel of 112
services offered by 111–12
LendInvest
loans originated by 112
Lenton, R.L.
online dating self-presentation study 171
Lessig, Lawrence
Code (2000) 47
Levchin, Max
founder of Affirm 114
Lex Machina 44, 46
LexisNexis 46
Lieberoth, A. 346
life insurance 89
Ligue Contre le Racisme et l’Antisémitisme (LICRA) 386
LinkedIn 7, 343, 374
Linux 3, 5, 11, 186
loans
origination of 112
unsecured 114
Lobre, K. 331
Lufax 112
Lyft 292
Lynch, Clifford 149
Lyon, David 279
MacCrate Report 27
Fundamental Values of the Profession 26
list of Skills and Values 26–7
Macklem, Timothy 278
Index 455

Maharg, Paul
Professor of Legal Education
at University of Northern Australia 30–31
makerspaces 182, 190, 196–8
characteristics of 190–91
access to tools 191–2
face-to-face interaction between members 195–6
locus of control 193
computer-controlled fabrication 186
computer numerically controlled (CNC) 185, 187, 189
development of 197
antecedents 183–5
fabrication tools 186–7, 199
global diffusion of 188–90
in university libraries 142–3, 186
maker labs 186–7
role of 3D printing in 12, 185–7, 189, 191, 197–9
Malaysia
Kota Bharu 65
malpractice
lawsuits 74–5
Markets and Markets 335
Maron, D. 328–31
Massachusetts Institute of Technology (MIT)
Center for Bits and Atoms 187
Fab Foundation 187
DSpace 149
Media Lab 184
Massive Open Online Courses (MOOCs) 140
Massolution Company 313
MasterCard 113, 115
Materialise 198
mating processes 177
analysis
revealed preferences approach 168
examples of 160–61
online 160
Maxwell, G.
CTO of Blockstream 235
McAfee
‘Hidden Economy, The’ 430
personnel of 439
McDonald’s 116
McKinsey
report on future of global banking profits 103
study of cost disadvantages of traditional banks (2013) 106
medicalization
role of digital health technologies 92–3
Mesopotamia
Nineveh 135
Michael, Mike 98
Microsoft Corporation 89, 364, 370–71
Bing 407
Microsoft Excel 42
Microsoft Word 433
privacy protection efforts of 281, 285–6
Xbox Kinect 88
MinuteClinic 48
Modria 49
Rechtwijzer 49
Moldova, Republic of 245
Mollick, E. 325–6
observations of Kickstarter project funding success rates 321
Moore’s law 3, 49, 184, 355, 357
Mozilla 245
M-Paisa
market share of 104
M-Pesa 103
market share of 104
MyMajorPlatform 321
MySQL 401
Napster 256
Nasdaq
deal with Noble Markets (2015) 243–4
Nasdaq Private Market 244
Open Assets Protocol 244
National Science Foundation (NSF) grants issued by 184, 187
sponsor of Socio-Technical Systems Summer Institute 299
Near Field Communication (NFC) pad 216
NEC Corporation 359
Netflix 7, 278, 363, 369
Netherlands 49
online dating platform use in 170
Netscape 292
neuroprosthetics 2
New Deal 301–2
New York Bar Association 25
New York Stock Exchange (NYSE) 111
New Zealand
no-fault medical injury compensation in 80
Niantic Labs
Ingress 214, 217
Pokémon Go 204, 214
Nielsen, Michael
Reinventing Discovery (2012) 121
Nike+ 343, 349
Nikon 359
Nintendo Co., Ltd 359
Nintendo Entertainment System (NES) 357
Wii Fit 88
Nissenbaum, Helen
conception of privacy 273
Noble Markets
deal with Nasdaq (2015) 243–4
Nokia Corporation 359
Norton Symantec
NTT 368
Oculus
use of Kickstarter funding 324
online dating platforms 160, 170–71, 174–5
contacting other users 167
deceptful self-presentation 171–3
exaggeration 172
search criteria issue 172
functions of 162–3
interaction processes 173–4
matchmaking system 162
mobile dating 174–7
apps 175
online dating 161–2
partner markets 164–5
definitions of 160, 169
digital 163–4, 168
research 167–8
registration/selection 164
research 176–7
lines of 169–70
user profile creation 165–6
users of 170
Open Education Resources 140
Open Philology Project 124–5
open-source software 6, 184–5
Oracle
personnel of 380–81
O’Reilly Media
Make (magazine) 185
Maker Faire 185
O’Reilly, Tim
concept of ‘algorithmic governance’ 376
Organisation for Economic Co-operation and Development (OECD) 401
observation of big data 406
Organisme pour le Registre unique des Intermédiaires en Assurance, Banque et Finance (ORIAS) 323
Osler, Sir William 62
Osterwalder, A.
observation of crowdfunding platforms 319
Owen, Gareth
study of use of Dark Web for child-abuse imagery sites 426–7
Oxford University 136
P2P Foundation 198–9
Palantir
personnel of 114
Palley, S. 236–7
patent law 257
Digital Rights Management (DRM) 264–5
impact of 3D printing on 259–60
CAD file issue 259–63
use of ISPs in enforcing 260
Patient Opinion 88
PatientsLikeMe 11, 89
PayPal 103, 115
as financial lender
PayPal Credit 113
PayPal Working Capital 113–14
merchant customers of 113
value to customers 113
Index 457

peer-to-peer (P2P) 105, 109
lending platforms 106, 110
networks 256
transfer of CAD files on 262
Pelish, Matthew
Redefining the Academic Library: Managing the Migration to Digital Information Services (2011) 139
Pentax 359
Perciali, I. 153
Pew Research reports of 97–8
Philippines 43, 104
Pigneur, Y.
observation of crowdfunding platforms 319
Pinterest 5
Podesta, John
Chair of White House Big Data and Privacy Working Group 280
Pokémon Go 204, 214
Polymath Project 130
Pony Express 30
Pörtner, C.C. 304
Poster, W.
observation of ethical retail focuses 306–7
PowerReviews 409
Preliminal Games 205, 213–14 Fractured Skyline 214–15, 218
privacy/privacy protection 286–7
application to big data 280
conceptions of 273–5
data protection 274
designing for 281
as information rules 276–7
regulations 283–4
soft regulation 284–5
values
equality 278–9
identity 277–8
security 281–2
trust 282–3
Property and Torts 34
Prosper 112
loans originated by 112
Putnam, R.D. 211
Putz, S.
‘Interactive Information Services using World Wide Web Hypertext’ (1994) 206
qualitative research 98
Quick Response (QR) code 216
Raspberry Pi 187
RateSetter
loans originated by 112
Ravel Law 44
Red Robot Life is Crime 214
Renrendai 112
RepRap
launch of (2005) 258
Research Library Group (RLG)
National Shelf List Count 137
Reynolds, Alastair
Rheingold, H. 182
Rogers, E.R.M. 198
Roman Empire 136
root cause analysis
use for smart machines in healthcare/medicine 79
Rosetta@home 124
Royal Library of Ashurbanipal 135
Samsung 393–4
Samsung Pay 116
SAP 51
Savage, Nick
study of use of Dark Web for child-abuse imagery sites 426–7
Schmitz, A.
definition of ‘partner market’ 160
research on online partner market 169, 171, 173
Schneider, N. 236
Schwienbacher, A.
definition of crowdfunding 313
use of care-based reasoning 64
use of root cause analysis 79
Smith, Brad 285–6
Smithsonian Institution 136
Snowden, Edward 60
NSA document leak 97, 285, 442
social media 60, 88, 115
privacy issues 98–9
SOFI
loans originated by 112
Solove, Daniel
conception of privacy 273, 283
Solow, Robert 42
Sony Corporation 359
Sony Entertainment 281
Sony Pictures
hacking of digital archives (2014) 97
Southern New Hampshire University
faculty of 142
Shapiro Library
Innovation Lab & Makerspace
142–3
Spain 384
Cordoba 136
Spark 5, 401
Spear 324
Spotify 3, 278
Sprint 368
Square 186
Stack Overflow 349
Stanford University 187
Star Trek (media franchise) 68
Stripe
founding of (2011) 115
Relay service 115
Sung, H.-Y.
observation of gamification in
education 340
Surowiecki, J. 315
surveillance 7
Susskind, Daniel 49, 55
concept of traditional AI 45
Susskind, Richard 49, 55
concept of traditional AI 45
Swanson, T. 235
Swarm 212
Sweden
no-fault medical injury
compensation in 80
Index 459

Switzerland
  online dating platform use in 170
Szolovits, Peter 61

Target 281, 306
taxation 48
TechShop 186
  locations of 189
Menlo Park 187
TED conferences 5
Tencent
  payment service of 116
Tesla Motors
  Model S 359
Thingiverse 5, 9, 186
Tinder 160
Tomczak, A. 318
  observation of crowdfunding platforms 320
Toomin, M. 304
TopCoder 3, 293, 349
tort law 76–7
Townsend, A. 218
Toys R Us 116
Tracfin
  *Annual Analysis and Activity Report* 332
trademark law 257
  application to CAD files 265–6
Training Industry, Inc. 341
Truong, N. 174
Turkle, S.
  *Alone Together* (2011) 211
Twitter 5, 88, 115

Uber 292, 373–5
  app 301
  personnel of 293, 405
UBM Future Cities 206
Ulbricht, Ross
  role in development of Silk Road 1.0 425
Ulule 320
unemployment 6, 96
Uniform Commercial Code 147
United Kingdom (UK) 88, 111–12, 114, 218, 299, 384, 426
  Consumer Codes Approval Scheme (CCAS) 396
  London 197, 204–5, 208, 217
National Health Service (NHS) 69
  NHS Choices 89
United States of America (USA) 8, 23, 32, 52, 60, 74, 94, 96, 112, 114, 135, 175, 186, 189–90, 231, 254, 256, 274, 283–4, 292, 294, 307–8, 375, 384, 412, 430
  Affordable Care Act 89, 94
Boston, MA 187
California Central Intelligence Agency (CIA) 281
  Commercial Aviation Safety Team (CAST) 78–80
  common law of 75
  Congress 144, 148, 286, 300
  Constitution of 387
  First Amendment 277
  Fourth Amendment 274
Court of Appeals
  *Authors Guild v. HathiTrust* 147
  *Authors Guild, Inc. v. Google Inc.* 147
  *Cambridge University Press et al. v. Carl V. Patton et al.* (2014) 147
  Court of Federal Claims 81
  Department of Homeland Security (DHS) 425
  Operation Marco Polo 425
  Department of Justice 409, 412
  Dickson, TN 432
  Digital Millennium Copyright Act (DMCA) 260, 267
  District Court 387
  Fair Labor Standards Act (FLSA) 299–302
  *Otey v. Crowdflower* 299–300, 302
Federal Bureau of Investigation (FBI) 432
Federal Communications Commission (FCC) 363
Federal Reserve 103
Federal Trade Commission (FTC) 96, 284–6, 409
Food and Drug Administration (FDA) 67
government of 78, 136
Health Insurance Portability and Accountability Act (HIPAA) 71–2
Privacy and Security Rules 71–2
healthcare system of 65, 69, 71
Library of Congress 137
military of 342
Morrill Land Grant Act (1862) 136
National Security Agency (NSA) 97, 285, 442
online dating platform use in 170
Palo Alto, CA 185
Patriot Act 371
Portland, OR 187
Raleigh, NC 187
San Francisco, CA 185, 189, 373, 391
San Mateo, CA 185
Silicon Valley 184, 186, 363
St Paul, MN 36
Supreme Court 146
Tennessee Bureau of Investigation 432
Uniform Commercial Code (UCC) 391
US Copyright Act 145
Section 107 146
Section 108 144
Section 108(a) 144
US Federal Aviation Administration 78
US HITECH Act 69
US Vaccine Compensation Program 80–81
Veterans Administration 69
Virginia Supreme Court
CRS Recovery Inc. v. Laxton 388–9
White House Big Data and Privacy Working Group 280
Universiti Sains Malaysia Hospital
Clinical Decision Support Software (CDSS) 65
university libraries 135, 156
collection development
faculty input 137–8
patron-driven acquisition (PDA) 138–9
Conspectus model 137
funding of
use in expanding collections 136–7
impact of Internet on 138–42
institutional repositories (IRs) 149–53
law and policy in 143–4
copyright 143–6
learning management systems (LMS) 140
open access (OA) 148–51, 155–6
library publishing 152–4
print-based collection development 137
spaces 140–43
collaborative space planning 141
makerspace movement 142–3, 186
University of California
eScholarship Repository 149
University of Chicago 32
university libraries of 135
University of Colorado, Boulder 154
University of Denver
Sturm College of Law faculty of 28
University of Michigan 154
University of Nevada, Reno DeLaMare Library 142
University of Northern Australia faculty of 30–31
University of Paris 136
University of Portsmouth faculty of 426
University of Southern California 141
University of Washington 154
University of Wyoming Wool Laboratory Collection 139
Upwork 372–3
US Privacy Rights Clearinghouse reports of 97
Venmo 116
venture capital 44
Verizon 363, 368
Vickery, B. 33–4
Visa 113, 115
VISANet 232
VisiCalc 42
Index 461

Vodafone
subsidiaries of 103

Voirol, O.
focus on emotional capitalism 174

Waldman, S.R.
observation of blockchain
technology 236

Walgreens
customer remote access efforts of 89

Wall Street Journal 112

Walmart 306
supply chain of 50
use of IT in logistics operations 358

Walter-Herrmann, J. 191

Web 2.0 95

Wellcome Trust
study on British health/medical data
(2013) 98

Wellman, B. 210
concept of networked individualism
211

Wells Fargo 116

Werbach, K. 348

Whitney, Eli 183

Whitty, M.
online dating self-presentation study
172

Wiesner, K. 216

WikiLeaks 60

Wikipedia 3, 5, 11

Wikistrat 349

William Mitchell School of Law
waiver of ABA online learning
limitation 36–7

Wired (magazine) 314

Wones, Suzanne 155

Worner, S.
study of crowdfunding finance
models 324

Wozniak, Steve 184, 197

Wright, J.
observation of crowdfunding
platforms 319–20

Yahoo! Inc. 285, 386, 407

Yale University
university libraries of 136

YouTube 5, 7, 88, 256, 363, 368, 374

ZocDoc 88

Zopa 111
loans originated by 112

Zotero (online citation management
platform) 131

Zuboff, Shoshana 8

Zysman, J. 358