### Key Term Index

**Symbol**

[Bayesio-] Skeptic 47

### A

abductive inference 47  
academic  
  community 341  
  misconduct 253  
  responsibility 213  
Academic Misconduct Incident (AMI) 253  
access 265  
accounts receivable conversion 584  
accuracy 265  
action research 200  
active defense cycle 129  
active tag 230  
adversary argument 35  
Adware 620  
agency theory 259  
agent 561, 577  
agent-oriented software engineering (AOSE) 193  
ahkam al-khamsa (five ethical categories) 360  
AI & Law 35, 41  
al-daruriyyat al-khamsah (five necessities) 361  
algorithym 185  
Alpha, Beta, Gamma 341  
anchored narrative 47  
anonymity 265, 402  
anonymous communication 29  
ARA routing 29  
Araucaria 35  
argumentation 35, 41  
artificial  
  intelligence 283  
  neural network (ANN) 283  
assistive technology 245  
asymmetric cryptography 424, 462  
audit opinion 259  
auditing 259  
auditory processing 245  
authentication 67, 141  
author 476  
automated  
  clearinghouse (ACH) 584  
  monitoring software 497  
  summarization 644  
autoregressive (AR) 341  
Avatar 6

### B

backdoor 620  
Bayesian 47  
  Network 283  
  behavioral aspects of security 278  
beneficence 402  
biodiversity 652  
bioeconomic(s) 341, 484  
bionic (wo)man 318  
biopiracy 652  
birthday attack 424  
bittorrent 100  
block port scan 533  
Bluetooth 60  
braille  
  display 245  
  printer 245  
Brown v. Board of Education 53  
browser hijacker 620  
Bulla 156  
business  
  intelligence 555  
  value 228  
Byzantine Fault 67

### C

Carneades 35, 41  
case law 497  
categorical school of ethics 207
certification authority 185
close 120
chat 409
room 497
close 21 584
chief privacy officer 555
claim right 81
client 341
cloning identity theft 148
code of
conduct 303
effects 271, 303, 443
cognitive
developmental theory of ethics 443
disability 245
collaborative virtual environment 6
collateral fulfillment 22
commercialization 476
community 200
computational
belief 81
ethical model 81
ethics 81
Computer
effects 88, 213
modeling 81
simulation 75
-based patient record (CPR) 540
-focused crime 296
-related crime 296
computing
artifact 213
taught project 213
conceptual dependency 644
confidentiality 402, 540
consent 540
consequentialist school of ethics 207
consumer
-(user) profile 548
health informatics 178
value 228
Containment 95
content filtering 107
context awareness 193
contextual graph 469
contractarianism 491
convergence (technological) 22
cookie 107, 548
Copyright 290, 296, 396, 476, 652
corporate information resources 601
counter myth 228
credit freeze 456
criminal identity theft 148
critical infrastructure 113
critical research in information systems 353
critical theory 353
crosswalk 141
cryptography 163, 561, 608
cultural imperialism 333
Cuneiform 156
cyber terrorism 310
cyberethics 303, 402
cybernetics 318
cyber-squatting 526
cyberstalking 497
cybersuicide 389
cybertechnology 303
cyber-terrorism 113
cyborg 318
Data
dictionary 141
message 185, 228, 540, 555, 592
mining 88
transport mechanism 601
warehousing 228, 555
decryption 608
defining issues test (DIT) 443
defindividuation 207
democratic divide 135
denial of service 129
deontic, deontology 35, 47
deontology/deontological ethics 512
dependability 67
developing nation 333
dialer 621
digital
certificate 577
divide 135, 333, 660
native 410
object identifier (DOI) 163
rights management (DRM) 141, 163, 290
signature 193, 462
watermarking 163
discourse 333
dissociative identity disorder 6
distributed
close 120
denial of service 129
DNS
-cache poisoning 526
spoofing 526
domain 29
hijacking 526
domain name system (DNS) 526
drive-by download 621
Key Term Index

E

eavesdropping 608
ecological compatibility 630
economic right of ownership 476
e-consent Ssystem 540
E-CRM 548
educational technology 169
EduSat 601
egoism 283
e-government 592
e-health 178, 506, 540
e-learning platform 53
electroencephalogram (EEG) 341
electromyographic (EMG)-controlled prosthesis 245
electronic
book (e-book) 163
commerce (e-commerce) 233, 578
health record (EHR) 14, 178, 540
medical record (EMR): T
product code (EPC) 230
publishing (e-publishing) 163
electrophorus 318
elliptic curve integrated encryption scheme (ECIES) 61
emancipation 53
emoticon 6, 410
encrypted 584
encryption 141, 163, 608
enrollment 484
environment 200
environmental
ethics 438
sustainability 438
equity 53
ethical
agent 519, 637
category 637
consideration 200
framework 213, 431
patient 519, 637
principle 81
reviewer 213
system 81
theory 81
ethics 253, 278, 310, 353, 491, 512, 630
theory 81
Ethics Position Questionnaire (EPQ) 253
event data coding 644
evidence-based medicine 506
evidential reasoning 47
evil twin 456
existentialism 450
experimental simulation 75
extensible markup language (XML) 14

F

Factum
Probandum 41
Probands 41
fair use 141
(Generic Concept) 290
(U.S. Code) 290
design 290
False
acceptance rate 484
matching error (FME) 341
non-matching error (FNME) 341
rejection rate 485
fault and intrusion tolerance 67
field
experiment 75
study (with primary data) 75
study (with secondary data) 75
file sharing 100
filter 213
filtering 129
financial identity theft 148
fingerprinting 163
firewall 361, 601
first-person view 6
flash worm 95
flexibility 561
forensic science 47
formal theory/literature review 75
framework 512
free market 333
function creep 592
functionalism 283
fusion 485

G

games student 200
gender identity 53
generalization 35, 41, 47
generally accepted
accounting principles (GAAPs) 233, 259
auditing standards (GAASs) 259
Generation Y 200
global
conscience 333
digital divide 135
governance 592
group communication system 67

H

hacker 278, 310, 615
hacking 113
hash function 185
health informatics (medical informatics) 178
Health
Information Portability and Accountability Act (HIPAA) 506
Insurance Portability and Accountability Act of 1996 (HIPAA) 361
Level Seven (HL7) 14
healthcare
actors 506
delivery 506
homeland 311
homo electricus 318
horizontal port scan 533
human
compatibility 630
evolution 318
subjects research 169
-center based environmental ethics 438
humanoid robot 318
I
ICD-9 506
idealism 450
idealistic 333
identification 485
identifier 141
identity
fraud 149
management 592
theft 149, 456
ideology 353
impostor 341
in treal life (IRL) 410
independent-living skills 245
individual
ethical philosophy 207
transition process 324
industrial property 652
industry-specific law 296
information
and communication technology (ICT) 333
apartheid 660
communication technology (ICT) 113
ethics 107, 450, 519, 555, 637
integrity 506
poverty 660
security 193
awareness 278
breach 382
control 382
guidelines 382
incident 376
policy 383
dissemination 382
formulation 383
implementation 383
society 630
system(s) 278, 417
curricula 555
security 278, 417
technology 265
warfare 113
informed consent 169, 178, 240, 369, 548
insistent individualism 341
instant message (IM) 410
institutional
leadership 341
review board (IRB) 369
integrating technology 53
integrity 67, 233, 562, 578
intellectual property (IP) 163, 169, 477, 652
law 296
rights (IPR) 163
intelligent
agent 88, 548
query answering system 120
intergenerational environmental approach 438
internal control 259
Internet 107, 303, 310, 615
access 660
relay chat (IRC) 129
interoperability 592
interspecific environmental approach 438
intrinsic value 491
intrusion detection 417
system (IDS) 533
intuitionism 491
invisible information gathering 230
IPTv 22
Islam 361
IT
professionals 444
security
awareness 324
culture 325
management 325
policy 325
itinerant agent 462
ITSeCT (IT Security Culture Transition) Model 325
J
Java2 Micro Edition (J2ME) 61
judgment task 75
jurisdiction 497
### Key Term Index

#### K
- **key** 185
  - distribution problem 608
- keystroke logger 621
- keyword filtering 107
- kill function 230
- knowledge
  - asset 652
  - base 120
  - discovery system 120

#### L
- laboratory experiment 75
- law of accelerating returns 318
- leapfrogging 333
- legal, social, ethical, and professional issues 213
- liberty 81
  - right 81
- license 141
- life-centered environmental ethics 438
- link analysis 47

#### M
- macro/micro-payment 61
- malicious code software (e.g., trojan horse) 376
- managed services 431
- mandatory reporting 240
- manual dexterity 245
- market maker 233
- MarshallPlan 41
- masquerade 369
- master patient index (MPI) 541
- media richness 207
- medical
  - ethics 178
  - Internet ethics 178
- MEDLINE 178
- message board 6
- metadata 142
- metaethics 450
- metaphysics 450
- microchip implant 318
- Mixes 29
- mobile
  - agent 462, 562, 578
  - ambients 469
  - code 462
  - commerce (m-commerce) 578
  - marketing 22
  - payment 61
  - mobility 193
  - multiplier 333

#### Moral
- action 81
- agent 283
- development 512
- dilemma 81
- reasoning 444
- rights 477
  - remedies 477
- turing test 283
- morality 354, 491, 512
- MP3 100
- Multi-
  - agentSystem 81, 193
  - -biometrics 485
  - -paragraph text in-depth understanding 644
- multiple dipping 341
- MySpace 100
- myth 228

#### N
- Napster 101
- narrative intelligence 644
- Naruqqu society 156
- national security 113
- Net
  - community 410
  - culture 410
- network
  - security scanner 417
  - society 333
  - telescope 95
- networkable Windows operating system device 376
- news story categorization 644
- nonrepudiation 67

#### O
- objectivism 491
- obligation 81
- onion routing 29
- online
  - ACH payment gateway 584
  - ethics situation 265
  - grooming 497
  - learning system (OLS) 253
  - survey 200
- ontology 120
- organizational responsibility 234
- outsourcing 431

#### P
- paper usage management 438
- paperless office 439
- partisan reports 644
<table>
<thead>
<tr>
<th>Key Term Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>passive</td>
</tr>
<tr>
<td>defense cycle  129</td>
</tr>
<tr>
<td>tag 230</td>
</tr>
<tr>
<td>patch 376</td>
</tr>
<tr>
<td>patent 296</td>
</tr>
<tr>
<td>patient-Centric HCIS 506</td>
</tr>
<tr>
<td>payoff 424</td>
</tr>
<tr>
<td>pedophile 497</td>
</tr>
<tr>
<td>pedophilia 424</td>
</tr>
<tr>
<td>peer-to-peer 101</td>
</tr>
<tr>
<td>system (anonymous) 29</td>
</tr>
<tr>
<td>permission assignment (PA) 14</td>
</tr>
<tr>
<td>personal</td>
</tr>
<tr>
<td>ethics 253</td>
</tr>
<tr>
<td>information 519, 637</td>
</tr>
<tr>
<td>ethics 519, 637</td>
</tr>
<tr>
<td>privacy 519, 637</td>
</tr>
<tr>
<td>security 637</td>
</tr>
<tr>
<td>personalization 22, 548</td>
</tr>
<tr>
<td>persuasion argument 35</td>
</tr>
<tr>
<td>pervasive computing 469</td>
</tr>
<tr>
<td>pharming 149, 456, 526</td>
</tr>
<tr>
<td>phishing 149, 456, 52, 584</td>
</tr>
<tr>
<td>physical disability 245</td>
</tr>
<tr>
<td>plagiarism 341</td>
</tr>
<tr>
<td>podcasting 22</td>
</tr>
<tr>
<td>point of sale (POS) 61</td>
</tr>
<tr>
<td>pornography 107</td>
</tr>
<tr>
<td>port 533</td>
</tr>
<tr>
<td>scan 533</td>
</tr>
<tr>
<td>practitioner research 169</td>
</tr>
<tr>
<td>pragmatism 450</td>
</tr>
<tr>
<td>principle-based theory 303</td>
</tr>
<tr>
<td>prisoner’s dilemma 81</td>
</tr>
<tr>
<td>privacy 228, 265, 354, 497, 555</td>
</tr>
<tr>
<td>broker</td>
</tr>
<tr>
<td>agent (PB-agent) 369</td>
</tr>
<tr>
<td>contacts data (PB-contacts) 369</td>
</tr>
<tr>
<td>research study data (PB-study) 369</td>
</tr>
<tr>
<td>system (PBS) 369</td>
</tr>
<tr>
<td>concern 228</td>
</tr>
<tr>
<td>enhancing technology (PET) 230</td>
</tr>
<tr>
<td>procedural 48</td>
</tr>
<tr>
<td>-support system 48</td>
</tr>
<tr>
<td>professionalism 431</td>
</tr>
<tr>
<td>property 265</td>
</tr>
<tr>
<td>proprietor of personal information 519, 637</td>
</tr>
<tr>
<td>protocol 562</td>
</tr>
<tr>
<td>p-score or principled-score 444</td>
</tr>
<tr>
<td>pseudo identifier 29</td>
</tr>
<tr>
<td>psychological contract 431</td>
</tr>
<tr>
<td>Public Company Accounting Oversight Board (PCAOB) 259</td>
</tr>
<tr>
<td>public</td>
</tr>
<tr>
<td>key cryptography 608</td>
</tr>
<tr>
<td>standards (PKCS12) 61</td>
</tr>
<tr>
<td>sphere 333</td>
</tr>
<tr>
<td>Q</td>
</tr>
<tr>
<td>quality 271</td>
</tr>
<tr>
<td>aims 506</td>
</tr>
<tr>
<td>model 271</td>
</tr>
<tr>
<td>quantum</td>
</tr>
<tr>
<td>communication 608</td>
</tr>
<tr>
<td>entanglement 608</td>
</tr>
<tr>
<td>mechanics 608</td>
</tr>
<tr>
<td>superposition 608</td>
</tr>
<tr>
<td>quarantine 95</td>
</tr>
<tr>
<td>Quran 361</td>
</tr>
<tr>
<td>R</td>
</tr>
<tr>
<td>racial identity 53</td>
</tr>
<tr>
<td>rate limiting 95</td>
</tr>
<tr>
<td>rationalism 491</td>
</tr>
<tr>
<td>read-only tag 230</td>
</tr>
<tr>
<td>write tag 230</td>
</tr>
<tr>
<td>realism 450</td>
</tr>
<tr>
<td>recycling 439</td>
</tr>
<tr>
<td>reference information module (RIM) 14</td>
</tr>
<tr>
<td>related right 290</td>
</tr>
<tr>
<td>replay attack 578</td>
</tr>
<tr>
<td>replication (passive, active) 67</td>
</tr>
<tr>
<td>responsibility 81</td>
</tr>
<tr>
<td>responsible conduct of research 169</td>
</tr>
<tr>
<td>right 142</td>
</tr>
<tr>
<td>to refuse 240</td>
</tr>
<tr>
<td>risk 213, 376, 615</td>
</tr>
<tr>
<td>risk assessment 376</td>
</tr>
<tr>
<td>rule</td>
</tr>
<tr>
<td>evaluator 570</td>
</tr>
<tr>
<td>repository 570</td>
</tr>
<tr>
<td>-based 570</td>
</tr>
<tr>
<td>S</td>
</tr>
<tr>
<td>safe use guide 410</td>
</tr>
<tr>
<td>sample survey 75</td>
</tr>
<tr>
<td>Sarbanes-Oxley Act 259</td>
</tr>
<tr>
<td>scam 234</td>
</tr>
<tr>
<td>scholarship of teaching 169</td>
</tr>
<tr>
<td>Scumware 621</td>
</tr>
<tr>
<td>Scytale 156</td>
</tr>
<tr>
<td>secure channel 608</td>
</tr>
<tr>
<td>secure socket layer (SSL) 584</td>
</tr>
<tr>
<td>Securities and Exchange Commission (SEC) 259</td>
</tr>
</tbody>
</table>
**Key Term Index**

<table>
<thead>
<tr>
<th>Term</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>security</td>
<td>67, 142, 311, 562, 578, 615</td>
</tr>
<tr>
<td>action</td>
<td>469</td>
</tr>
<tr>
<td>auditing</td>
<td>417</td>
</tr>
<tr>
<td>of communication</td>
<td>608</td>
</tr>
<tr>
<td>policy</td>
<td>376, 417, 469</td>
</tr>
<tr>
<td>seal</td>
<td>548</td>
</tr>
<tr>
<td>Seerah</td>
<td>361</td>
</tr>
<tr>
<td>seizure</td>
<td>425</td>
</tr>
<tr>
<td>Semantic Web</td>
<td>88</td>
</tr>
<tr>
<td>semantics</td>
<td>120</td>
</tr>
<tr>
<td>semiotics</td>
<td>271</td>
</tr>
<tr>
<td>session key</td>
<td>29</td>
</tr>
<tr>
<td>Shari'ah</td>
<td>361</td>
</tr>
<tr>
<td>sigillography</td>
<td>156</td>
</tr>
<tr>
<td>skimming</td>
<td>230</td>
</tr>
<tr>
<td>smart border</td>
<td>592</td>
</tr>
<tr>
<td>Smartcard</td>
<td>541</td>
</tr>
<tr>
<td>Smartphone</td>
<td>61</td>
</tr>
<tr>
<td>social</td>
<td></td>
</tr>
<tr>
<td>compatibility</td>
<td>630</td>
</tr>
<tr>
<td>divide</td>
<td>135</td>
</tr>
<tr>
<td>engineering</td>
<td>601</td>
</tr>
<tr>
<td>attack</td>
<td>526</td>
</tr>
<tr>
<td>ethic</td>
<td>81</td>
</tr>
<tr>
<td>network</td>
<td>6</td>
</tr>
<tr>
<td>presence</td>
<td>207</td>
</tr>
<tr>
<td>societal Value</td>
<td>228</td>
</tr>
<tr>
<td>Software</td>
<td></td>
</tr>
<tr>
<td>agent</td>
<td>462</td>
</tr>
<tr>
<td>engineering</td>
<td>88, 272</td>
</tr>
<tr>
<td>failure</td>
<td>272</td>
</tr>
<tr>
<td>fault</td>
<td>272</td>
</tr>
<tr>
<td>Spam</td>
<td>456</td>
</tr>
<tr>
<td>spasticity</td>
<td>245</td>
</tr>
<tr>
<td>spear-phishing</td>
<td>456</td>
</tr>
<tr>
<td>special purposes entity</td>
<td>234</td>
</tr>
<tr>
<td>Spyware</td>
<td>621</td>
</tr>
<tr>
<td>stakeholder theory</td>
<td>303</td>
</tr>
<tr>
<td>stealthy port scan</td>
<td>533</td>
</tr>
<tr>
<td>steganography</td>
<td>156</td>
</tr>
<tr>
<td>story</td>
<td></td>
</tr>
<tr>
<td>generation</td>
<td>644</td>
</tr>
<tr>
<td>grammar</td>
<td>644</td>
</tr>
<tr>
<td>strategic equilibrium</td>
<td>81</td>
</tr>
<tr>
<td>streaming audio</td>
<td>101</td>
</tr>
<tr>
<td>subject</td>
<td>369</td>
</tr>
<tr>
<td>consent form</td>
<td>369</td>
</tr>
<tr>
<td>substantive</td>
<td>48</td>
</tr>
<tr>
<td>suicide</td>
<td>390</td>
</tr>
<tr>
<td>attempt</td>
<td>389</td>
</tr>
<tr>
<td>contagion</td>
<td>389</td>
</tr>
<tr>
<td>means restriction</td>
<td>389</td>
</tr>
<tr>
<td>pact</td>
<td>389</td>
</tr>
<tr>
<td>prevention</td>
<td>390</td>
</tr>
<tr>
<td>Sunnah</td>
<td>361</td>
</tr>
<tr>
<td>SuperIntelligence</td>
<td>283</td>
</tr>
<tr>
<td>sustainability</td>
<td>630</td>
</tr>
<tr>
<td>criteria</td>
<td>630</td>
</tr>
<tr>
<td>sustainable information</td>
<td>630</td>
</tr>
<tr>
<td>symmetric cryptography</td>
<td>462</td>
</tr>
<tr>
<td>T</td>
<td></td>
</tr>
<tr>
<td>technical protection means</td>
<td>290</td>
</tr>
<tr>
<td>techno-illiterate</td>
<td>661</td>
</tr>
<tr>
<td>technological determinism</td>
<td>333, 396</td>
</tr>
<tr>
<td>technology</td>
<td></td>
</tr>
<tr>
<td>education</td>
<td>54</td>
</tr>
<tr>
<td>protection measure</td>
<td>396</td>
</tr>
<tr>
<td>technophilia</td>
<td>333</td>
</tr>
<tr>
<td>telemedicine</td>
<td>178</td>
</tr>
<tr>
<td>teleological</td>
<td>35</td>
</tr>
<tr>
<td>template</td>
<td>485</td>
</tr>
<tr>
<td>terrorism</td>
<td>113, 311</td>
</tr>
<tr>
<td>text-to-speech synthesizer;</td>
<td>245</td>
</tr>
<tr>
<td>speech reader</td>
<td></td>
</tr>
<tr>
<td>third</td>
<td></td>
</tr>
<tr>
<td>world</td>
<td>334</td>
</tr>
<tr>
<td>-person view</td>
<td>6</td>
</tr>
<tr>
<td>threat</td>
<td>67, 615</td>
</tr>
<tr>
<td>three-way-handshake</td>
<td>533</td>
</tr>
<tr>
<td>threshold</td>
<td>485</td>
</tr>
<tr>
<td>total information security</td>
<td>601</td>
</tr>
<tr>
<td>Toulmin’s model</td>
<td>35</td>
</tr>
<tr>
<td>traceback</td>
<td>129</td>
</tr>
<tr>
<td>trade secret</td>
<td>296</td>
</tr>
<tr>
<td>trademark law</td>
<td>296</td>
</tr>
<tr>
<td>traditional</td>
<td></td>
</tr>
<tr>
<td>ethics situation</td>
<td>271</td>
</tr>
<tr>
<td>knowledge</td>
<td>652</td>
</tr>
<tr>
<td>transhumanism</td>
<td>318</td>
</tr>
<tr>
<td>transition</td>
<td>325</td>
</tr>
<tr>
<td>trojan</td>
<td>621</td>
</tr>
<tr>
<td>Trust</td>
<td>88, 432</td>
</tr>
<tr>
<td>Turing Test</td>
<td>284</td>
</tr>
<tr>
<td>U</td>
<td></td>
</tr>
<tr>
<td>unethical communicative</td>
<td>207</td>
</tr>
<tr>
<td>behavior (dyadic)</td>
<td></td>
</tr>
<tr>
<td>universal</td>
<td></td>
</tr>
<tr>
<td>Internet access</td>
<td>661</td>
</tr>
<tr>
<td>service</td>
<td>661</td>
</tr>
<tr>
<td>URL blocking</td>
<td>107</td>
</tr>
<tr>
<td>usability testing</td>
<td>240</td>
</tr>
<tr>
<td>use right</td>
<td>290</td>
</tr>
<tr>
<td>user assignment (UA)</td>
<td>14</td>
</tr>
<tr>
<td>Usul-al-Fiqh (Fiqh Science)</td>
<td>361</td>
</tr>
<tr>
<td>utilitarian</td>
<td>439</td>
</tr>
<tr>
<td>utilitarianism</td>
<td>284, 512</td>
</tr>
<tr>
<td>utility function</td>
<td>425</td>
</tr>
</tbody>
</table>
Key Term Index

V

value 491
verification 341, 485
virtual
  community 6
  private network (VPN) 61
virtue ethics 512
virus 95
visual
  evoked potential (VEP) 341
  processing 245
Vodcasting 22
VoIP 22
voluntary participation 240
vulnerability 615
  assessment 417

W

Web
  bug 621
  ontology 88
  surfing 107
  -based system 193
    weight (evidential) 41
  whistleblower 341
Wigmore Charts 35, 41, 48
work 477
  workplace relationships 432
World Intellectual Property Organization (WIPO) 652
worldview 450
worm 95

X

X.509 61