**Index**

**Symbols**

- 3C collaboration model 637–644
- 3C collaboration model, communication 638
- 3C collaboration model, cooperation 640
- 3C collaboration model, coordination 639
- 3C collaboration model, design and implementation issues 641

**A**

- academic blog 2
- ACCADEMI@VINCIANA ontology 32
- acknowledgement (ACK) 625
- adaptability, in business 9
- adaptive job performance (AJP) 10
- adaptive structuration theory (AST) 193, 541
- affect-based trust (ABT) 686
- alignment, operational 219
- alignment, organizational 219
- alignment, strategic 219
- Ambassadorial Leadership™ 21–28
- ambient intelligence 30, 269
- ambient intelligent prototype, and collaboration 29
- AmIART prototype 31
- AMPLIA 75
- anonymity 8
- application-level multicast (ALM) 624
- application-level networking (ALN) 172
- application service providers (ASPs) 355
- appropriation 195
- artificial partners 493
- artificial partners, agent models for cooperation 494
- artificial partners, coordinated communication 496
- asynchronous creativity 463–471
- autonomous system 626
- average variance extracted (AVE) 104

**B**

- bandwidth, availability of 512
- Barger, J. 1
- blogrolling 2
- business-to-business (B2B) 253
- business-to-consumer (B2C) 253
- business process outsourcing (BPO) 424
- business process outsourcing (BPO), cultural misunderstandings 427
- business process outsourcing (BPO), risks 425

**C**

- Canada 444–449
- Canada, Labrador 445–449
- Canada, Newfoundland 445–449
- car racing & instant messaging 603
- cognition-based trust (CBT) 686
- collaboration, definition of 309
- collaboration asset 310
- collaborative capability 134
- collaborative commerce (cCommerce) 309
- collaborative delivery of enterprise ICT services 355–362
- collaborative delivery of enterprise ICT services, impact on end-user organizations 357
- collaborative delivery of enterprise ICT services, impact on supplier organizations 358
- collaborative delivery of enterprise ICT services, increasing process orientation 356
- collaborative e-learning (CEL) 191
- collaborative engineering environment (CEE) 589
- collaborative learning 74
- collaborative learning project-based environment (COPE) 720
- collaborative learning process editor (COPE) 720
collaborative planning, forecasting, and replenishment (CPFR) 319
collaborative working environments (CWE) 308, 392, 612
communications channels 292–300
communications channels, faculty-student communication 293
communications channels, faculty preferences 292
communications channels, social context of 293
communities of practice (CoPs) 211
compensatory adaptation theory (CAT) 699
counter, definition of 48
counter-mediated communication (CMC) 49, 164, 241, 431, 681
counter-supported collaborative learning (CSCL) 301, 718
counter-supported cooperative work (CSCW) 49, 411, 512
counter-supported negotiation (CSN) 688
computerized post office (CPO) 364
connectivity 8
contract negotiations 686
counterative information systems (CoopIS) 555
counter-assisted mesh protocol (CAMP) 625
counter, and immediacy 466
counter, and parallelism 467
counter, and reactivity 468
counter, and reactivity 468
counter, and social cues 467
counter, and cognitive influences on 465
counter, and media influences on 465
counter, and social influences on 465
counter support system (CSS) 248
cultural adroitness 433
cultural awareness 433
cultural sensitivity 433
counter relationship management (CRM) 613

D
data warehouse (DWH) system 558
designated member hosts (DMs) 627
diffusion of innovations (DOI) 412
digital divide 153
direct refinement technologies 227
distributed counter-mediated-communication (DGDSS) 379
DIVA knowledge community 44
dynamic enterprise alignment model 219

e
e-counter 512
e-counter, adoption by accounting firms 160
e-counter, adoption levels and scope 412
e-counter, and adaptive workforce 7–13
e-counter, and collaborative practice 529
e-counter, and communication 528
e-counter, and identity work 521–526
e-counter, and satisfaction 242
e-counter, and the military 673
e-counter, and trust 241
e-counter, and Weblogs 1–6
e-counter, financial audit research 160
e-counter, for internationalizing higher education 178–185
e-counter, fraud examination research 165
e-counter, gender communication issues 259–264
e-counter, gender differences and cultural orientation 301–307
e-counter, global funding 314–318
e-counter, governance mechanisms 319
e-counter, governance mechanisms and bargaining power 320
e-counter, rural Canadian schools 444–449
e-counter, supply chain 280
e-counter, the collaborative task 179
e-counter, through blogging 198–203
e-counter technologies (ECT) 191, 417
e-counter technologies (ECT), determinants of use 418
e-counter technologies (ECT), for a blood bank 584
e-counter technologies (ECT), potential for use 420
e-counterative knowledge construction 233–239
e-counter 655
e-counter, cyber slacking 657
e-counter, digital divide 657
e-counter, impact on prices 656
e-counter, privacy 656
e-counter, security 657
e-counter, health 153
e-counter networks 324–329
e-counter for buyer-supplier interaction 14
e-counter scheduling 253–258
e-counter scheduling, collaborative production scheduling 254
e-counter scheduling, office and service tasks 255
e-counter scheduling, electronic brainstorming 330–336
e-counter scheduling, group size effects 330
e-counter scheduling, role 331
e-counter data exchange / interchange (EDI) 280, 608
e-counter employee-customer interaction 384
e-counter employee-employee collaboration 384
e-counter expert-centralized knowledge refinement 226
e-counter expertise gaps 228

F
face-to-face (FTF) 126, 660
face-to-face (FTF) GDSS groups (FGDSS) 378
face-to-face (FTF) interaction 49, 463, 662

G
governmental information systems (GIS) 133
governmental exchange services (GXS) 699
globalization, and e-counter 8
Goldratt’s theory of constraints 603
group decision support system (GDSS) 204, 377
group decision support system (GDSS), communication 378
Index

group decision support system (GDSS), virtual meetings 205

H

host multicast tree protocol (HMTP) 624
human-computer interaction (HCI) 412, 481

I

identity 521, 522
identity, and occupational groupings 522
identity work 521, 522, 523
identity work, and e-collaboration 521–526
IM in the workplace (IMW) 104
indirect refinement technologies 227
individual trust 534
individual trust, deconstructing 536
individual trust, expert power and positional power 537
individual trust, utility and risk 536
instant messaging (IM) 383
instant messaging (IM), consequences 102
instant messaging (IM), higher education
instant messaging (IM), support 349–354
intelligent tutoring systems (ITS) 74
intelligent user interfaces (user adaptive interfaces) 30
interaction, face-to-face 463
interaction, synchronous 463
interaction model 398
intercultural communication differences 430
Internet telemedicine to manage health conditions 154
interorganizational systems (IOS) 608
intra-class correlation coefficient (ICC) 452
intrusion detection 173

K

knowledge management (KM) 226, 527
knowledge refinement 226
Knowledge Web (K-Web) 674
knowledge work 9
knowledge worker 9

L

leader-member-exchange (LMX) theory 23
leadership, in virtual teams 343, 540
leadership, transactional 22
leadership, transformational 22
local area network (LAN) 513
Lotus Notes as a knowledge management tool 398

M

machine translation (MT) 457, 458
manufacturing resource planning (MRP II) 253
media-cognitive-social (MCS) model 464
media richness theory (MRT) 378, 499
medical learning 74
MGSS translation 459
mobile collaboration 133
mobile collaboration, human factors 133
multi-robot systems (MRS) 561
multi-robot systems (MRS), efficiently sharing information 563
multi-robot systems (MRS), probabilistic volumetric maps 562
multi-robot systems (MRS), sharing information within 561
multicast open shortest path first (MOSPF) 625
multilevel modeling methods for e-collaboration data 450–456
multilingual collaboration 457
multilingual collaboration, meetings 457
multinational corporation (MNC) 430

N

network intrusion detection systems (NIDS) 174

O

online discussion forum (ODF) 437
online discussion forum (ODF), for collaborative learning 438
online discussion forum (ODF), management and facilitation 439
overlay 172

P

partial least squares (PLS) 103
peer-to-peer (P2P) 681
personal computer 21
personal digital assistant (PDA), use in meetings 136
plain old telephone system (POTS) 695
presence-based real-time communication 487–492
principal investigator 315
production blocking 330
project-based learning (PBL) 718
protection methods 174
protocol independent multicast-sparse mode (PIM-SM) 625
psychological contracts’ influence 499

R

real-time communication (RTC) technology 488
real-time communication (RTC) technology, products 490
real-time communication (RTC) technology, usage scenario 489
relational perspective 521
research and technology development (RTD) 612
resource based theory (RBT), to define a firm 218
robotic mapping 561

S

service-oriented architecture (SOA) 393
service-oriented e-collaboration environments 389–397
service-oriented e-collaboration environments, broker pattern 390
service-oriented e-collaboration environments, context modelling 391
service-oriented e-collaboration environments, interaction patterns 390
service-oriented e-collaboration environments, master/slave pattern 391
service-oriented e-collaboration environments, proxy patterns 390
shortest tunnel first (STF) 62, 626
small business collaboration 569
small business collaboration, e-business framework 570
small business collaboration, generic e-catalogue framework 572
small business collaboration, through electronic marketplaces 569–576
small to medium-sized enterprises (SMEs) 535, 608
social capital 521
social facilitation 330
social influence theory (SIT) 378
social loafing 330
social presence theory (SPT) 499
speech act theory 577
speech act theory, language/action perspective (LAP) 579
speech act theory, reactions 579
speech act theory, significance for e-collaboration 579
speech act theory, speech acts 578
synchronous interaction 463
synergy 330

T

technology acceptance model (TAM) 265, 668
technology-mediated learning (or e-learning) 191
technology-supported communities of practice 272–278
telegraph 53
thematic-based group communication 624
thematic multicast concept (TMC) 624, 626
time-interaction-performance (TIP) theory 474
transactional leadership 22
transaction cost economics (TCE) 325
transformational leadership 22

U

ubiquitous communications 30
ubiquitous computing 30
unified communication (UC) 488
U.S. Navy 674

V

value adding organization (VAO) 614
varied discussion forums 370
varied discussion forums, debate discussion 374
varied discussion forums, experience discussion 372
videoconferencing (VC) 693
videoconferencing (VC), market leaders 696
videoconferencing (VC), risks and challenges/limitations 695

Virtual Distance™ 23
virtual distance model (VDM) 660
Virtual Knowledge Park (VKP) 514
virtual organizations (VO) 589
virtual private network (VPN) 172
virtual project management 472
Virtual Science Park (VSP) 514
visibility 524
voice-based group support systems (VGSS) 706–711
voice-based group support systems (VGSS), speech recognition 707
voice-based group support systems (VGSS), sR accuracy 708
voice-based group support systems (VGSS), sR and GSS 709

W

Weblog 1–6
wikis 712
wikis, issues in wiki management 715
wikis, nature of 712
wikis, used for collaboration 714
workflow systems 718