Index

Symbols

3D
digital model of structure 251
modeling 238
virtual reality 154

A
Academy 1–20
active
learning model 210
student 76
adaptive
educational environment 178
kinetic structure 241
added value 99
adult learning 87
agent-based software 65
animal disease 206
animation 158
APEC Cyber Academy 154–177
architecture students 238
asynchronous
discussion 136
learning 90
attrition rates 43
Australian universities 43
autonomy 4–5
autopoiesis 93

B
belief desire intention 64
blog 61
Bluetooth 61

C
central processing unit 59–74
classroom
-based teaching 222
Classroom Teaching 21
cognitive
challenge 132
constructivism 155
collaboration 132
collaborative
learning 82–83
communities 132
online learning model 132
skills 132
common language 5–20
communication tools 161
communities of practice (CoPs) 87–89
community 88
complexity theory 1
computer
-assisted learning (CAL) 204
Computer-Based Classroom Teaching 21
computer usage 23
constructivism 155
continuing education 6–20
continuous learning 87
course design 222
culture 2, 155
curriculum 132
customized agent software 57, 63

design
-personae 110–131
-process 60
digital
-graPhics literacy 238
-ink 31
-media 200
-pen 25
distance
-education 132, 192
-learner 43
-learning 222
distributed leadership 3
domain centered design (DCD) 13–20

e
E-learning 164
e-mail 64
e-persona 111
education 132–153
educational
design 57
-environment 178
electronic
-learning 10–20
-whiteboard 26, 35
enterprise reconfiguration dynamics 1
environmental
-management 222

ethnographic action research 58–74
eXtensible Markup Language (XML) 60

F
face-to-face 80–81, 196
-learning 59, 114
faculty autonomy 4–5
flexible education 113
formZ 248

G
gender 97
-graphical user interface (GUI) 179
-graPhics tablet 25
group
-learning 5–20, 135
-support system 93

H
Hasbro Energon toy 239
higher education 43
human-dimension 111
human computer interaction (HCI) 1, 21–

I
information and communications technology
-(ICT) 1, 21, 76, 110, 154
-in classrooms 22
-initiatives 8
-mediated learning 2
-inquiry learning 192
-institutional reward system 9
-instructional
-architecture 112
-design 11–20
-science 112
-integrative approach 238
-interaction 94, 132
-interactive LCD panel 25
-international networked learning environment 154
-interpersonal communication 164
narrative 198
教学 21
3D modelling 238
English as a second language (TESL) 137
team skills 132
technology management 1
text-to-speech technology 154
traditional teaching 23
transformable architectural artifact 251
transformer robot toy 238
tutor 45, 136

U
ubiquitous computing 22–23, 28
unit completion 43
usability 96
user interface 178

V
verbalizer 115
veterinary
college 204
educators 204
information 206
medicine curricula 204
video conferencing 154
virtual
communities of practice 87–109
discussion 78
primary school 192
private network (VPN) 62
visualizer 115
voice conferencing 154

W
Web
-based education 110
-based learning 155
site 193
wireless network 57, 62
workplace-based learning 59