

# Contents

## Part I New Shape of Learning

<b>1</b>	<b>The New Shape of Learning: Adapting to Social Changes in the Information Society</b> . . . . .	<b>3</b>
	Ronghuai Huang, Geng Chen, Junfeng Yang and John Loewen	
<b>2</b>	<b>Emerging Dimensions of Learning</b> . . . . .	<b>43</b>
	Erkki Sutinen	
<b>3</b>	<b>Schools as Learning Communities.</b> . . . .	<b>71</b>
	Victoria J. Marsick, Karen E. Watkins and Sarah A. Boswell	

## Part II New Insights of Future Students

<b>4</b>	<b>The New Shape of the Student</b> . . . . .	<b>91</b>
	Chris Jones	
<b>5</b>	<b>Digital Natives: Exploring the Diversity of Young People’s Experience with Technology</b> . . . . .	<b>113</b>
	Linda Corrin, Sue Bennett and Lori Lockyer	
<b>6</b>	<b>Adapting for a Personalized Learning Experience</b> . . . . .	<b>139</b>
	Margaret Martinez	

## Part III The Future of Learning Content

<b>7</b>	<b>The Changing Nature of E-Learning Content</b> . . . . .	<b>177</b>
	Robby Robson	

<b>8</b>	<b>The Open Future of Course Content Development and Dissemination . . . . .</b>	<b>197</b>
	M. S. Vijay Kumar	
<b>9</b>	<b>Pilot Curriculum in China: The Practice of Promoting the Quality of Higher Education . . . . .</b>	<b>209</b>
	Yanyan Li, Yue Zhou and Lanfang Zeng	

#### **Part IV New Dimensions of Learning Technologies**

<b>10</b>	<b>Mobile Learning: Shaping the Frontiers of Learning Technologies in Global Context. . . . .</b>	<b>237</b>
	John Traxler	
<b>11</b>	<b>Paradigm Shifts in E-Learning: From Web-Based Learning to Context-Aware Ubiquitous Learning . . . . .</b>	<b>253</b>
	Gwo-Jen Hwang	
<b>12</b>	<b>Reusable Authentic Learning Scenario Creation in Ubiquitous Learning Environments. . . . .</b>	<b>273</b>
	Kinshuk and Ryan Jesse	
<b>13</b>	<b>Educational Use of Computer Games: Where We Are, and What's Next . . . . .</b>	<b>299</b>
	Morris S. Y. Jong, Jimmy H. M. Lee and Junjie Shang	
<b>14</b>	<b>Supplemental Versus Essential Use of Computing Devices in the Classroom: An Analysis . . . . .</b>	<b>321</b>
	Cathie Norris, Akhlaq Hossain and Elliot Soloway	

#### **Part V Emerging Trends in Learning Technologies**

<b>15</b>	<b>Application of Cloud Technology, Social Networking Sites and Sensing Technology to E-Learning . . . . .</b>	<b>343</b>
	Yueh-Min Huang, Hsin-Chin Chen, Jan-Pan Hwang and Yong-Ming Huang	
<b>16</b>	<b>Immersive Environments for Learning: Towards Holistic Curricula. . . . .</b>	<b>365</b>
	Longkai Wu, Chee-Kit Looi, Beaumie Kim and Chunyan Miao	

**17 Augmented Reality and Education:  
Applications and Potentials. . . . . 385**  
Steve Chi-Yin Yuen, Gallayanee Yaoyuneyong and Erik Johnson

**18 Facilitating Complex Learning by Mobile Augmented  
Reality Learning Environments. . . . . 415**  
Dirk Ifenthaler and Deniz Eseryel

**19 Mobilising Web Sites at an Open University:  
The Athabasca University Experience . . . . . 439**  
Regina Wasti and Rory McGreal