# Table of Contents

## Foreword

... ............................................................................................................................... xvi

## Preface

....................................................................................................................................... xviii

## Chapter 1

Visualizing the Evolution of Mobile Learning Research.......................................................... 1

_Hüseyin Özçınar, Pamukkale University, Turkey_

## Chapter 2

Mobile First E-Learning ........................................................................................................ 23

_Matthew Xavier Curinga, Adelphi University, USA_

_Antonios Saravanos, New York University, USA_

## Chapter 3

Cooking with “App-titude”: Suggestions to Help Educators Promote Positive Kitchen Skills with Preschool and Elementary School Students ............................................................... 37

_Jamie L. Krenn, Columbia University, USA_

## Chapter 4

Mobile-Assisted Language Learning: Research-Based Best Practices for Maximizing Learner Success ........................................................................................................................................ 69

_Katharine B. Nielson, Voxy, USA_

## Chapter 5

Leveraging Mobile Devices for Qualitative Formative Assessment ........................................... 94

_Reshan Richards, Columbia University, USA_

_Ellen B. Meier, Columbia University, USA_

## Chapter 6

Using Mobile Phones for Assessment in Contemporary Classrooms .................................... 116

_Füsun Şahin, University at Albany – State University of New York, USA_

_Dominic Mentor, Columbia University, USA_
Chapter 7
Mobile Learning in Workforce Development: Cultivating Creativity on Action Learning Teams through Higher-Order mLearning............................................................................................................. 139
Shawn McCann, United States Marine Corps, USA

Chapter 8
Augmenting Education: Using Augmented Reality Technologies to Enhance Teaching and Learning.............................................................................................................................................. 160
Russell William Beauchemin, Roger Williams University, USA

Chapter 9
Collaboration via Technology as a Means for Social and Cognitive Development within the K-12 Classroom .................................................................................................................................................. 181
N. Leigh Boyd, Columbia University, USA

Chapter 10
Mobile Learning for Sales Force Development: Building Skills While Meeting Quota.................. 204
Agustín Couto, Columbia University, Brazil

Chapter 11
The Impact of Mobile Assisted Language Learning (MALL) on Phrasal Verbs of Iranian Intermediate EFL Students ......................................................................................................................... 217
Mohsen Shahrokhi, Shahrreza Branch, Islamic Azad University, Iran
Mina Kamyabi, Shahrreza Branch, Islamic Azad University, Iran

Chapter 12
EMxC3 = e&mLearning Cultivating Connected Communities: Sustainable Workforce Talent Development ........................................................................................................................................ 240
Dominic Mentor, Columbia University, USA

Chapter 13
Transforming Learning with Mobile Games: Learning with mGames ........................................ 260
Kristin Villanueva, Columbia University, USA
Jeanny Vaidya, Columbia University, USA

Chapter 14
Mobile Apps, Universal Design, and Accessibility in Schools: Creating an Inclusive Classroom Experience ........................................................................................................................................ 279
Tseday Alehegn, Columbia University, USA
Richard Keller, Columbia University, USA

Chapter 15
mLearning Apps for Specialized Curriculum: A Case Study on Film Noir.................................. 299
Jeanny Vaidya, General Assembly, USA
Chapter 16
The Commuter’s Learning Journey: Field Observations Informing Mobile Learning Initiatives.... 315
  Dominic Mentor, Columbia University, USA

Chapter 17
Training for Mobile Journalism ........................................................................................................ 336
  Maurice M. “Mo” Krochmal, Social Media News NY, USA

Chapter 18
Mobile Learning for Social Change: Democratizing Education and Civic Engagement ............ 363
  Tseday Alehegn, Columbia University, USA
  Dominic Mentor, Columbia University, USA

Chapter 19
Incorporating Touch-Based Tablets into Classroom Activities: Fostering Children’s
  Computational Thinking through iPad Integrated Instruction...................................................... 378
  Woonhee Sung, Columbia University, USA
  Junghyun Ahn, Columbia University, USA
  Shi Ming Kai, Columbia University, USA
  Ahram Choi, Columbia University, USA
  John B Black, Columbia University, USA

Compilation of References ............................................................................................................ 407

About the Contributors .................................................................................................................... 468

Index ............................................................................................................................................ 473