Table of Contents

Foreword *by John Garger* xv

Foreword *by T. Ramayah* xvi

Preface xviii

Chapter 1
A Survey on Islamic Mobile Applications for Children 1
Fitria Maulida Machfud, International Islamic University Malaysia, Malaysia
Murni Mahmud, International Islamic University Malaysia, Malaysia

Chapter 2
A Usable Mobile Islamic Calendar for Elderly Users 30
Fariza Hanis Abdul Razak, Universiti Teknologi MARA (UiTM), Malaysia
Nur Farhana Abdullah, Universiti Teknologi MARA (UiTM), Malaysia

Chapter 3
Social and Technical Perspective of Individual's Intention to Purchase Mobile Application 45
Ili Hawa Ahmad, Universiti Teknologi Malaysia, Malaysia
Norshidah Mohamed, Prince Sultan University, Saudi Arabia & Universiti Teknologi Malaysia, Malaysia
Ab Razak Che Hussain, Universiti Teknologi Malaysia, Malaysia

Chapter 4
Collaborative Mobile Learning: A Systematic Literature Review 73
Nor Fadzleen Sa'don, Universiti Teknologi Malaysia, Malaysia
Noorminshah A. Iahad, Universiti Teknologi Malaysia, Malaysia

Chapter 5
Design of a Hospital Interactive Wayfinding System: Designing for Malaysian Users 88
Ashok Sivaji, MIMOS Berhad, Malaysia
Hizbullah Kampo Radjo, MIMOS Berhad, Malaysia
Mohd-Faizal Amin, MIMOS Berhad, Malaysia
Mohd Azrin Hafizie Abu Hashim, MIMOS Berhad, Malaysia

Chapter 6
Developing a Mobile Navigation Aid 124
Mohamad Azrix, International Islamic University Malaysia, Malaysia
Noor Walid, International Islamic University Malaysia, Malaysia
Akram Zeki, International Islamic University Malaysia, Malaysia
Jameel Jameel Yalli, International Islamic University Malaysia, Malaysia

Chapter 7
System Usability Scale Implementation for Interfaces on Mobile Touch Screen Devices Assessment 137
Svetlana Čičević, University of Belgrade, Serbia
Slobodan Mitrović, University of Belgrade, Serbia
Milkica Nešić, University of Nis, Serbia
Andreja Samčović, University of Belgrade, Serbia

Chapter 8
Linguistic Location Authority: An Intricate Imperative 168
Akeem Olowolayemo, International Islamic University Malaysia, Malaysia
Abu Osman Md Tap, International Islamic University Malaysia, Malaysia
Teddy Mantoro, USBI – Sampoerna University, Indonesia

Chapter 9
Managing Students' Attendance using NFC-Enabled Mobile Phones 184
Media Anugerah Ayu, USBI – Sampoerna University, Indonesia
Barroon Ismaeel Ahmad, International Islamic University Malaysia, Malaysia
Teddy Mantoro, USBI – Sampoerna University, Indonesia

Chapter 10
Mobile Water Meter System in Android Environment 204
Wiwin Windihastuty, Universitas Budi Luhur, Indonesia
Teddy Mantoro, USBI – Sampoerna University, Indonesia
Media Anugerah Ayu, USBI – Sampoerna University, Indonesia

Chapter 11
The Trend of Mobile Malwares and Effective Detection Techniques 219
Olawale Surajudeen Adebayo, International Islamic University Malaysia, Malaysia
Normaziah Abdul Aziz, International Islamic University Malaysia, Malaysia

Chapter 12
Issues Related to Network Security Attacks in Mobile Ad Hoc Networks (MANET) 234
Rakesh Kumar Singh, G. B. Pant Institute of Himalayan Environment and Development (GBPIHED), India

Chapter 13
Mobile Embedded System: Your Door Key Evolved with Your Smartphone – A User Evaluation of a Two-Factor Authentication 257
Pei-Lee Teh, Monash University, Malaysia
Huo-Chong Ling, Multimedia University, Malaysia
Soon-Nyean Cheong, Multimedia University, Malaysia
Pervaiz K. Ahmed, Monash University, Malaysia

Chapter 14
Unattended Sensors in Marine Environments: Oxybuoy for Hypoxia Study 285
Rizal Mohd Nor, International Islamic University Malaysia, Malaysia
Mikhail Nesterenko, Kent State University, USA

Compilation of References 309

About the Contributors 347

Index 355