## Contents

**Business Sustainability Conceptualization** .................................................. 1  
Arunasalam Sambhanthan, Vidyasagar Potdar and Elizabeth Chang

**A Replicated Study on Relationship Between Code Quality and Method Comments.** ................................................................. 17  
Yuto Miyake, Sousuke Amasaki, Hirohisa Aman and Tomoyuki Yokogawa

**A Predictive Model for Standardized Test Performance in Michigan Schools** .................................................. 31  
William Sullivan, Joseph Marr and Gongzhu Hu

**A Development Technique for Mobile Applications Program** ............. 47  
Byeondo Kang, Boram Song, Seungwon Yang and Jonseok Lee

**Interactive Mobile Applications Development Using Adapting Component Model** .................................................. 63  
Haeng-Kon Kim and Roger Y. Lee

**Development of Guiding Walking Support Device for Visually Impaired People with the GPS** .................................................. 77  
Tsubasa Sugimoto, Shota Nakashima and Yuhki Kitazono

**User Evaluation Prediction Models Based on Conjoint Analysis and Neural Networks for Interactive Evolutionary Computation** ............. 91  
Ryuya Akase and Yoshihiro Okada

**Emotional Video Scene Retrieval Using Multilayer Convolutional Network** .................................................. 105  
Hiroki Nomiya, Shota Sakaue, Mitsuaki Maeda and Teruhisa Hochin

**Proactive Approach for the Prevention of DDoS Attacks in Cloud Computing Environments** .................................................. 119  
Badr Alshehry and William Allen
Practical Uses of Memory Storage Extension ............................. 135
Shuichi Oikawa

How to Build a High Quality Mobile Applications Based
on Improved Process ...................................................... 149
Haeng-Kon Kim and Roger Y. Lee

A New Hybrid Discrete Firefly Algorithm for Solving
the Traveling Salesman Problem ...................................... 169
Abdulqader M. Mohsen and Wedad Al-Sorori

Empowering MOOCs Through Course Certifying
Agency Framework .......................................................... 181
Yeong-tae Song, Yuanqiong Wang and Yongik Yoon

Author Index ................................................................. 197
Applied Computing and Information Technology
Lee, R. (Ed.)
2017, XIII, 197 p. 86 illus., 43 illus. in color., Hardcover
ISBN: 978-3-319-51471-0