Contents

Proposed Framework Application for a Quality Mobile Application Measurement and Evaluation 1
Mechelle Grace Zaragoza and Haeng-Kon Kim

Proposal and Development of Artificial Personality(AP) Application Using the "Requesting" Mechanism 13
Yosuke Kanai and Takayuki Fujimoto

Load Experiment of the vDACS Scheme in Case of the 300 Simultaneous Connection 25
Kazuya Odagiri, Shogo Shimizu and Naohiro Ishii

Hearing-Dog Robot to Wake People Up Using its Bumping Action 41
Yukihiro Yoshida, Daiki Sekiya, Tsuyoshi Nakamura, Masayoshi Kanoh and Koji Yamada

Implementation of Document Production Support System with Obsession Mechanism 51
Ziran Fan and Takayuki Fujimoto

Detecting Outliers in Terms of Errors in Embedded Software Development Projects Using Imbalanced Data Classification 65
Kazunori Iwata, Toyoshiro Nakashima, Yoshiyuki Anan and Naohiro Ishii

Development of Congestion State Guiding System for University Cafeteria 81
Takafumi Doi, Hirotaka Ito and Kenji Funahashi

Analog Learning Neural Circuit with Switched Capacitor and the Design of Deep Learning Model 93
Masashi Kawaguchi, Naohiro Ishii and Masayoshi Umeno

Study on Category Classification of Conversation Document in Psychological Counseling with Machine Learning 109
Yasuo Ebara, Yuma Hayashida, Tomoya Uetsuji and Koji Koyamada

Improvement of "Multiple Sightseeing Spot Scheduling System" 123
Kazuya Murata and Takayuki Fujimoto

Advertising in the Webtoon of Cosmetics Brand-Focusing on 'tn' Youth Cosmetics Brands 137
Sieun Jeong, Hae-Kyung Chung and Cheong-Ghil Kim

Testing Driven Development of Mobile Applications Using Automatic Bug Management Systems 151
Mechelle Grace Zaragoza, Haeng-Kon Kim, In-Han Bae and Jong-Hak Lee

Shape Recovery of Polyp from Endoscope Image Using Blood Vessel Information 165
Yuji Iwahori, Tomoya Suda, Kenji Funahashi, Hiroyasu Usami, Aili Wang, M.K. Bhuyan and Kunio Kasugai

Design of Agent Development Framework for RoboCupRescue Simulation 185
Shunki Takami, Kazuo Takayanagi, Shivashish Jaishy, Nobuhiro Ito and Kazunori Iwata

Mist Computing: Linking Cloudlet to Fogs 201
Minoru Uehara

Self-recognition and Fault Awareness in OpenFlow Mesh 215
Suguru Yasui and Minoru Uehara

Author Index 231



http://www.springer.com/978-3-319-63617-7

Computational Science/Intelligence and Applied Informatics

Lee, R. (Ed.)
2018, XIII, 232 p. 152 illus., 98 illus. in color., Hardcover
ISBN: 978-3-319-63617-7