

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