

Table of Contents

Implementation of a Super-resolution Algorithm to Improve Spatial Resolution of Optical Signals <i>Byung-Jin Lee, Sung-Woo Kim, Bong Guk Yu, and Kyung Seok Kim</i>	1
Radar-Camera Sensor Fusion Based Object Detection for Smart Vehicles <i>Eugin Hyun, Young-Seok Jin, Hyeong-Cheol Jeon, and Young-Nam Shin</i>	5
Machine Learning-Based Object Detection System Using PIR Sensor <i>Dong Hyun Kim, Jung Bin Park, and Jong Deok Kim</i>	11
Evaluation of IoT Device Management Tools <i>Biliyaminu Umar, Hamdan Hejazi, Laszlo Lengyel, and Karoly Farkas</i>	15
Data Stream Optimization of Sum of Absolute Differences Algorithm on a Graphics Processing Unit <i>Tom Pudpai, Tae Kyun Kim, and Charles Liu</i>	22
Context-based Information Visualization for Smart AR Glasses <i>Choonsung Shin, Youngmin Kim, Jisoo Hong, Sung-Hee Hong, and Hoonjong King</i>	28
Application-Specific Memory Access by Prefetching via High Level Synthesis <i>Ismail San, Atakan Dogan, and Kemal Ebcioğlu</i>	30
Fake GPS Defender: A Server-side Solution to Detect Fake GPS <i>Yu-Heng Chang, Yan-Ling Hwang, Chih-Wen Ou, Chih-Lin Hu, and Fu-Hau Hsu</i>	36
Machine Learning-based Arrhythmia Diagnosis Algorithm <i>Donghyun Kim, Jae Min Lee, Yeong Joon Gil, and Jong Deok Kim</i>	42
Adjusting Positions of Vehicle Parts based on Rules for Unknown Drivers <i>Kwangsoo Kim, Bong Wan Kim, Sunwhan Lim, and Dong-Hwan Park</i>	46
A Comparative Study of New Modified pAHP Implementation in SOA Architecture <i>Aleksander Marianski, Michal Kedziora, and Ireneusz Jozwiak</i>	49