# Table of Contents

Implementation of a Super-resolution Algorithm to Improve Spatial Resolution of Optical Signals
Byung-Jin Lee, Sung-Woo Kim, Bong Guk Yu, and Kyung Seok Kim

Radar-Camera Sensor Fusion Based Object Detection for Smart Vehicles
Eugin Hyun, Young-Seok Jin, Hyeong-Cheol Jeon, and Young-Nam Shin

Machine Learning-Based Object Detection System Using PIR Sensor
Dong Hyun Kim, Jung Bin Park, and Jong Deok Kim

Evaluation of IoT Device Management Tools
Biliyaminu Umar, Hamdan Hejazi, Laszlo Lengyel, and Karoly Farkas

Data Stream Optimization of Sum of Absolute Differences Algorithm on a Graphics Processing Unit
Tom Pudpai, Tae Kyun Kim, and Charles Liu

Context-based Information Visualization for Smart AR Glasses
Choonsung Shin, Youngmin Kim, Jisoo Hong, Sung-Hee Hong, and Hoonjong King

Application-Specific Memory Access by Prefetching via High Level Synthesis
Ismail San, Atakan Dogan, and Kemal Ebcioglu

Fake GPS Defender: A Server-side Solution to Detect Fake GPS
Yu-Heng Chang, Yan-Ling Hwang, Chih-Wen Ou, Chih-Lin Hu, and Fu-Hau Hsu

Machine Learning-based Arrhythmia Diagnosis Algorithm
Donghyun Kim, Jae Min Lee, Yeong Joon Gil, and Jong Deok Kim

Adjusting Positions of Vehicle Parts based on Rules for Unknown Drivers
Kwangsoo Kim, Bong Wan Kim, Sunwhan Lim, and Dong-Hwan Park

A Comparative Study of New Modified pAHP Implementation in SOA Architecture
Aleksander Marianski, Michal Kedziora, and Ireneusz Joziwicki