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<td>*University of Technology, **Griffith University, ***NLT Digital Solutions, Australia</td>
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20220074 3A Ubiquitous Sensor Network 15-Feb-22 Beamforming Design of the Wireless Power Transfer System into Multiple IoT Sensors Changyoung An, Hyeong Min Kwon, and Heung-Gyoon Ryu Chungbuk National University, Korea 2021255419 OK

20220078 2B Blockchain & Application Security 14-Feb-22 Systematic Analysis of DDoS Attacks in Blockchain Mohammad Arsalan Sheikh*, Gul Zameen Khan**, Farooq Khadeer Hussain* *University of Technology Sydney, **NLT Digital Solutions, Australia 2021274578 Ok

20220087 2D Drone, ITS, LBS, Network Robotics 14-Feb-22 Shadowing-Fading-based Intersection Geographic Opportunistic Routing Protocol for Urban VANEts Shunto Takahashi*, Masami Yoshida*, Alberto Gallegos Ramonet**, Taku Noguchi* *Ritsumeikan University, **Industrial and Social Sciences Tokushima University, Japan 2021274360 OK

20220090 2D Drone, ITS, LBS, Network Robotics 14-Feb-22 A Survey of Coverage Issues in UAV networks Zhijia Li*, Yonghang Yan*, Xuwen Xia*, Lun Xia*, Dan Meng*, Chen Chen* *Henan University, China 2021273006 OK

20220093 4B Information Network Security 2 15-Feb-22 Print to Scan Resistant Watermarking based on Green Noise Diffusion Method using Machine Learning Yoshi Michael Cho*, Hiroshi Imada*, Naoto Kawamura**, Hyunho Kang***, Keichi Iwamura* *Tokyo University of Science, **Kawamura Techno Lab, ***National Institute of Technology, Japan 2021274924 Ok

20220096 2D Drone, ITS, LBS, Network Robotics 14-Feb-22 A Survey of UAV Clustering Algorithm Xuwen Xia*, Yonghang Yan*, Zhijia Li*, Dan Meng*, Lun Xia*, Chen Chen* *Henan University, China 2021270771 OK

20220099 2A Wireless & Mobile Communication 2 14-Feb-22 A Novel Gateway Deployment Solution for MANETs Interconnecting with Internet DanMeng*, Yonghang Yan*, LunXia*, Zhijia Li*, Xuwen Xia*, Chen Chen* *Henan University, China 2021270943 OK

20220102 2A Wireless & Mobile Communication 2 14-Feb-22 Construction of Optical ZCZ Sequence Set with the Zero-Correlation Zone 2s Suitable for PPM-OCDMA System Yasuaki Ohira*, Takahiro Matsumoto**, Hideyuki Torii***, Yuta Ida* *Yamaguchi University, **Kagoshima University, ***Kanagawa Institute of Technology, Japan 2022001807 Ok

20220105 6B Smart Service, Web Service & Future Web 16-Feb-22 A technique to improve the displaying quality of skin deformation caused by external force Nguyen Duc Hoang*, Do Nang Toan**, Nguyen Tuan Minh* *Posts and Telecommunications Institute of Technology, **Vietnam Academy of Science and Technology, Vietnam 2021273043 OK

20220108 1B Authentication & Hacking 14-Feb-22 Collision Resistant Watermarking for Deep Learning Models Protection Sayoko Kakikura*, Hyunho Kang**, Keichi Iwamura* *Tokyo University of Science, **National Institute of Technology, Japan 2021274397 OK

20220114 3D System, Software & Work Method 15-Feb-22 Analyzing Disinformation with the Active Propagation Strategy Chih-Hung Chen*, YiWei Ma**, Ying Huan Lai***, Wen-Tsung Chang****, Shun-Ching Yang****, *Guangdong University of Petrochemical Technology, China **National Taiwan Normal University, ***National Taiwan University of Science and Technology, ****Institute for Information Industry, Taiwan 2022005545 Ok

20220117 1C Smart City, IoT & ERP 1 14-Feb-22 PID Control Aided Thermal Comfortable of the User’s Temperature Tracing Movable Electrical Heating Radiator Huaiten Zou*, Zhongyingwang*, Pat-An Lin*, Weilong Zhan*, Perxin Chen*, Yuxin Li*, Yuyang Chen*, Zide She*, Juhui He*, Bing-Yuh Lu* *Guangdong University of Petrochemical Technology, China **National Taiwan Normal University, ***National Taiwan University of Science and Technology, ****Institute for Information Industry, Taiwan 2022005545 Ok

20220120 5C Industry 4.0, AI & Big Data 3 15-Feb-22 Applying PSO to improve the pedestrian fall detection rate using wearable sensor data Hong-Lam Le1*, **, Duc-Nhan Nguyen***, Ngo-Thi-Thu-Tran****, Ha-Nam Nguyen*****. *Vietnam National University in Hanoi, **Van Lang University, ***Posts and Telecommunications Institute of Technology, ****Vietnam Institute for Advanced Study in Mathematics, Vietnam 2022158455 Ok

20220123 1D Cloud Computing & Search Engine 14-Feb-22 Preliminary Study of Cloud Aided Monitoring of Basic Physiological Signals Mei Liu*, Ankang Liu*, Rushan Wu*, Sen Liu*, Gaowei Lei*, Junzhi Lu*, Man Xie*, Pao-An Lin*, Junbai Wu*, Bing-Yuh Lu* *Guangdong University of Petrochemical Technology, China **National Taiwan Normal University, ***National Taiwan University of Science and Technology, ****Institute for Information Industry, Taiwan 2022279076 OK
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Yong Jin*, Kazuya Iguchi**, Nariyoshi Yamai**, and Masahiko Tomoishi* 
*Tokyo Institute of Technology, **Tokyo University of Agriculture and Technology, Japan 
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20220141 5C Industry 4.0, AI, & Big Data 3 15-Feb-22 Recognition of Transformer High Frequency Partial Discharge Based on Time Domain Feature 
*State Grid Shandong Electric Power Research Institute, China 
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20220144 2C Smart City, IoT & ERP 2 14-Feb-22 Real-Time Path Planning for Trajectory Control in Autonomous Driving 
Hye Young An, Won Seok Choi, Seong Gon Choi 
Chungbuk National University, Korea 
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20220147 2A Wireless & Mobile Communication 2 14-Feb-22 Dynamic spectrum access based on double deep Q-network and convolution neural network 
Guangjun Fang, Bin Shen, and Hong Zhang, Taiping Cui 
Chongqing University of Posts and Telecommunications (CQUPT), China 
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20220153 2C Smart City, IoT & ERP 2 14-Feb-22 Reinforcement Learning base DR Method for ESS SoC Optimization and Users Satisfaction 
Yong Hee Park, Seong Gon Choi 
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20220156 4C Industry 4.0, AI, & Big Data 2 15-Feb-22 A Heuristic Approach to Dynamically Update Approximations of Dominance Based Rough Set Theory 
Faryal Nosheen*, Usman Qamar*, Muhammad Summai Razzaq** 
*National University of Sciences and Technology, **Virtual University of Pakistan, Pakistan 
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20220159 4A Optical Network 15-Feb-22 Optical interconnection through direct optical wire 
Hyun-Woo Rhee*, Jong-Bum Yoo**, Jae-Yong Kim*, Hyoendo Yoon*, Hyo-Hoon Park* 
*Korea Advanced Institute of Science and Technology (KAIST), **National Nanofab Center (NNFC), Korea 
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20220162 5A Network Management & Operation 15-Feb-22 Quick Blocking Operation of Firewall System Cooperating with IDS and SDN 
Yusei Kansura*, Pranparyya Sakarin**, Nariyosi Yamai***, Hiroyuki Kimiyama****, Yasaka Visuotsiriveth** 
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20220165 4A Optical Network 15-Feb-22 Optical Sideband Modulation in Silicon Photonics Platform Using Mach-Zehnder Interferometers 
Muhammad Fashir, Hyoendo Yoon, Nanhyun Kwan, Junhyeong Kim, Junhyeong Yoon, Rabul Islam Siddar, Hamra Kurr and Hoo-Hoon Park 
Korea Advanced Institute of Science and Technology, Korea 
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20220171 1C Smart City, IoT & ERP 1 14-Feb-22 Performance Evaluation of Partial Offloading Under Various Scenarios in Mobile Edge Computing 
SeokBeom OH**, SooJeong LEE*, Yong-Geun HONG**, GyuYoo KONG***, Hyun-Kook KAHNG* 
*Korea University, **Daegu University, ***Chongshin University, Korea 
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Tran Cong Hung*, Tran Duy Tien**, Le Ngoc Hieu*** 
*The Saigon International University, **Saigon University, ***Ho Chi Minh City Open University, Vietnam 
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20220178 3A Ubiquitous Sensor Network 15-Feb-22 An analytical model of MANET single-path and multi-path load balancing routing protocol based on Markov model 
LunXia*, Yonghong Yan*, DanMeng**, ZhiJia Li*, Xuewen Xia*, Chen Chen* 
*Henan University, China 
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20220181 4C Industry 4.0, AI, & Big Data 2 15-Feb-22 A Novel Defect Classification Scheme Based on Convolutional Autoencoder with Skip Connection in Semiconductor Manufacturing 
Jaegyeong Cha*, Juyong Park*, Jongpil Jeong* 
*Sungkyunkwan University, Korea 
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20220184 1A Wireless & Mobile Communication 1 14-Feb-22 Performance Analysis of DSSS-PDMA with SIC to GEO Satellite-Terrestrial Uplink Networks 
*Waseda University, **National Institute of Information and Communications Technology, Japan 
2021275127 OK

20220190 4C Industry 4.0, AI, & Big Data 2 15-Feb-22 A Fast Clustering-based Recommender System for Big Data 
*Vietnam National University, **FPT University, Vietnam 
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<td>James Kouwa Tamgno*, Boudal NIANG*, Mamadou Alpha BARRY*, Samoul Ouya**</td>
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<td>Domain Recognition By Border Observation In Dimension 1 &amp; 2</td>
<td>James Kouwa Tamgno*, Zacharia Damoue*, Samoul Ouya**, Ahmed Kora*</td>
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<td>Chun LONG**, JianPing XIAO**, Jinxia WEI*, Jing ZHAO**, Wei WAN**, Guanyao De*, **</td>
<td>Computer Network Information Center, CAS (Chinese Academy of Sciences), **University of Chinese Academy of Sciences, China</td>
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<td>Matasem Saleh*, NZ Jhanjhi*, Arween Abdullah*, Razia Saher**</td>
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Minh Chan Nguyen*, Heesun Won*, Siwoon Son*, Yerin Woo**, Hyoenjae Jeong**  
*Electronics and Telecommunication Research Institute, **University of Science and Technology, Korea  
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*Hunan University, **China United Network Communication Corporation Henan Branch, China  
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*Universitas Pendidikan Ganesha, **Asterium Indonesia, Indonesia  
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Yanjun Liang*, Hongyi Yin*, Xinyun Guan*, Jianying Wang*  
*Dalian University of Technology, China  
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Kyeong Tae Kim, Jae Deock Lim, Jeong Neyo Kim  
*Electronics Telecommunications Research Institute, Korea  
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*Beijing Institute of Technology, China  
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Kyeong Tae Kim, Jae Deock Lim, Jeong Neyo Kim  
*Electronics Telecommunications Research Institute, Korea  
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<td>A Survey of Secure Boot Schemes for Embedded Devices</td>
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<td>A Novel Trusted Boot Model for Embedded Smart Device without TPM</td>
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