

## ICACT2022 Final Program in Paper Number Order - 17, January, 2022(KST)

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**\*\* Please confirm the schedule, paper title, author(s), organization(s), etc.**

**\*\* The participation and presentation shall be non-realtime virtual one by submitting all presentation file.**

PaperNo	Session	Session Title	Date	Paper Title	Author(s)	Organization(s)	IEEE PID	CRF compliance check
20220009	6A	Process mining & e-Services	16-Feb-22	Intelligent ATM Replenishment Optimization Based on Hybrid Genetic Algorithm	Jiecong Tang*, Shipeng Wang**, Tao Bai**, Songfeng Lu**, Jing Xiong**	*Industrial and Commercial Bank of China, **Huazhong University of Science and Technology, China	2021274814	Ok
20220012	5A	Network Management & Operation	15-Feb-22	Premium Rate Services Fraud Detection	Mariella Rivas*, Mariella Rivas**, Patrick Hosein***	*Guardian Group Port of Spain, **Telecom Services of Trinidad & Tobago Port of Spain, ***The University of the West Indies St. Augustine, Trinidad and Tobago	2022001493	Ok
20220017	1D	Cloud Computing & Search Engine	14-Feb-22	A Recommender System for the Upselling of Telecommunications Products	Navin Dookeram, Zahira Hosein and Patrick Hosein	The University of the West Indies St. Augustine, Trinidad and Tobago	2022001490	Ok
20220020	6B	Smart Service, Web Service & Future Web	16-Feb-22	The effects of constructing robot-based storytelling system on college students' computational thinking skill and technology comprehension	Chih-Chien Hu*, Ming-Hsien Chen*, Imam Yuadi**, Nian-Shing Chen***	*Tatung University, **Airlangga University, ***National Taiwan Normal University, Taiwan	2022003090	Ok
20220021	2C	Smart City, IoT & ERP 2	14-Feb-22	Prediction of Compression Ratio for Transform-based Lossy Compression in Time-series Datasets	Aekyung Moon, Aekyung Moon, Yun Jeong Song	ETRI, Korea	2022003506	OK
20220022	6C	Industry 4.0, AI, & Big Data 4	16-Feb-22	Multi-Objective Optimization Based on Adaptive Evolution Algorithm for Disassembly Line Network Problems	Ming-Shen Jian*, Wei-Sin Wu, Yi-Hsuan Lin, Xin-Mei Wu, Peng-Wen Wang	National Formosa University, Taiwan	2021272897	OK
20220023	2B	Blockchain & Application Security	14-Feb-22	Cloud Blockchain Based Multiple Inspection Information Exchanging for Agriculture and Food Safety	Ming-Shen Jian*, Jian-Ting Guo, Hung-Jen Chen, Yu-Zhi Luo, Yu-Chen Lai	National Formosa University, Taiwan	2021272896	OK
20220024	1B	Authentication & Hacking	14-Feb-22	Explainable Malware Detection Using Predefined Network Flow	Boryau Hsupeng*, Kun-Wei Lee*, Te-En Wei*, Shih-Hao Wang*	*Institute for Information Industry, Taiwan	2021273099	OK
20220026	6C	Industry 4.0, AI, & Big Data 4	16-Feb-22	An Eye Blink detection technique in video surveillance based on Eye Aspect Ratio	Tran Thanh Phuong*, Lam Thanh Hien*, Do Nang Toan**, Ngo Duc Vinh***	*Lac Hong University, **IVietnam Academy of Science and Technology, ***Hanoi University of Industry, Vietnam	2021275246	OK
20220027	6C	Industry 4.0, AI, & Big Data 4	16-Feb-22	Design and Implementation of a Real-time Target Detection and Tracking System	Xinyan Cao*, Guang Chen**, Yaxin Zhao**, Wei Ren**, Jian Cao*	*The Hong Kong Polytechnic University, Hong Kong of China, **Peking University, China	2022001356	Ok
20220029	6C	Industry 4.0, AI, & Big Data 4	16-Feb-22	Android Malware Classification: Updating Features Through Incremental Learning Approach(UFILA)	Zakaria Sawadogo*, Gervais Mendy**, Jean Marie DEMBELLE*, Samuel Ouya**	*Gaston Berger University, **University Cheikh Anta Diop of Dakar, Senegal	2021273435	OK
20220030	2D	Drone, ITS, LBS, Network Robotics	14-Feb-22	Implementation of Dynamic HSV Adjusting Method for Lane Detection	Yong Hee Park, Won Seok Choi, Ji Yong Oh, Cheol Jin Park, Seong Gon Choi	Chungbuk National University, Korea	2021275275	OK
20220035	5B	Information Network Security 3	15-Feb-22	Dynamic Voting based Explainable Intrusion Detection System for In-vehicle Network	Nishat I Mowla*, Joakim Rosell*, Arash Vahidi*	*RISE Research Institutes of Sweden, Sweden	2022276145	OK

20220036	5B	Information Network Security 3	15-Feb-22	Trustworthy Software Development – practical view of security processes through MVP methodology	Chen, Shiang-Jiun, Pan, Yu-Chun, Ma, Yi-Wei, Chiang, Cheng-Mou, Tsai, Chi-Chin	TELECOM TECHNOLOGY CENTER, Taiwan	2022002491	Ok
20220037	2B	Blockchain & Application Security	14-Feb-22	Secured Land Title Transfer System in Australia using VPN based Blockchain Network	Mohamad Arsalan Sheik*, Faryal Khattak**, Gul Zameen Khan***, Farookh Khadeer Hussain*	*University of Technology, **Griffith University, ***NLT Digital Solutions, Australia	2021274576	Ok
20220038	1B	Authentication & Hacking	14-Feb-22	Attack Tactic Labeling for Cyber Threat Hunting	SHENG-XIANG LIN, ZONG-JYUN LI, TZU-YANG CHEN, DONG-JIE WU	Institute for Information Industry, Taiwan	2021274500	OK
20220039	5B	Information Network Security 3	15-Feb-22	Security Threat Analysis and Treatment Strategy for ORAN	C.T. Shen*, Y.Y. Xiao*, Y.W. Ma*, J.L. Chen*, Cheng-Mou Chiang**, S.J. Chen** and Y. C. Pan**	*National Taiwan University of Science and Technology, **Telecom Technology Center, Taiwan	2021274985	Ok
20220040	2A	Wireless & Mobile Communication 2	14-Feb-22	Low-Latency Computation Offloading based on 5G Edge Computing Systems	Zhen-Yuan Chen*, Jiann-Liang Chen* and Yao-Chung Chang**	*National Taiwan University of Science and Technology, **National Taitung University, Taiwan	2022275731	Ok
20220041	6B	Smart Service, Web Service & Future Web	16-Feb-22	Enhancing CNF performance for 5G core network using SR-IOV in Kubernetes	Dinh Tam Nguyen**, Ngoc Lam Dao*, Van Thuyet Tran*, Khac Thuan Lang*, Thanh Tu Pham*, Phi Hung Nguyen*, Cong Dan Pham*, Tuan Anh Pham*, Duc Hai Nguyen*, Huu Thanh Nguyen**	*OCS Research Center, Viettel High Technology, Viettel Group, **Hanoi University of Science and Technology, Vietnam	2021274411	OK
20220047	5B	Information Network Security 3	15-Feb-22	An Automated Vulnerability Assessment Approach for WebAPI that Considers Requests and Responses	Toru Taya*, Masaki Hanada*, Yoichi Murakami*, Atsushi Waseda*, Yuki Ishida**, Takao Mimura**, Moo Wan Kim* and Eiji Nunohiro*	*Tokyo University of Information Sciences, **SecureBrain Corporation, Japan	2021274707	OK
20220050	5C	Industry 4.0, AI, & Big Data 3	15-Feb-22	Android malware detection: Investigating the impact of imbalanced data-sets on the performance of machine learning models.	Zakaria SAWADOGO**, Gervais MENDY*, Jean Marie DEMBELE**, Samuel OUYA*	*Universit´e Cheikh Anta Diop de Dakar, **Universit´e Gaston Berger, S´en´egal	2021273424	OK
20220053				Dematerialization Models and Systems in Public Procurement: State of Art and Research Direction	Papa Diadia BA*, James K. Tamgno**, Ahmed Dooguy KORA**	*UCAD/ESMT Dakar, **ESMT Dakar, S´en´egal		Must Submit CRF Manuscripts
20220056	2C	Smart City, IoT & ERP 2	14-Feb-22	A Secure Secret Key-Sharing System for Resource-Constrained IoT Devices using MQTT	Taku Noguchi*, Masato Nakagawa*, Masami Yoshida* and Alberto Gallegos Ramonet*	*Ritsumeikan University, Japan	2021268263	OK
20220059	5B	Information Network Security 3	15-Feb-22	Performance Evaluation of Fully Homomorphic Encryption for End-to-End Cryptographic Communication in Multihop Networks	Hye-Yeon Shim*, Tae-Rim Park*, Il-Gu Lee*	*Sungshin University, Korea	2021275432	OK
20220062	2D	Drone, ITS, LBS, Network Robotics	14-Feb-22	Investment Cost Minimization of Autonomous-Electric Vehicles based on Queueing Model	Lae Yeop Lee, Won Seok Choi, Seong Gon Choi	Chungbuk National University, Korea	2021275415	OK
20220065	1D	Cloud Computing & Search Engine	14-Feb-22	The Method of Learning Personal Preference with Reinforcement Learning	Yong Hee Park, Won Seok Choi, Seong Gon Choi	Chungbuk National University, Korea	2021275314	OK
20220068	5C	Industry 4.0, AI, & Big Data 3	15-Feb-22	Active learning for density peak clustering	Viet-Vu Vu*, Byeongnam Yoon**, Cuong Le*, Hong-Quan Do*, Hai-Minh Nguyen***, Chung Tran***, Viet-Thang Vu****, Cong-Mau Tran*****, Doan-Vinh Tran*, Tien-Dung Duong*****	*Vietnam National University, Vietnam, **Global IT Research Institute, Korea, ***Information and Communication Technology University, ****Hanoi University of Industry, *****Ha Tinh University, *****VietNam Academy of science and technology, Vietnam	2022000728	OK

20220071	5C	Industry 4.0, AI, & Big Data 3	15-Feb-22	Active constraints selection based on density peak	Viet-Vu Vu*, Byeongnam Yoon**, Hong-Quan Do*, Hai-Minh Nguyen***, Tran-Chung Dao***, Cong-Mau Tran****, Doan-Vinh Tran*, Thi-Nhuong Phi*****, Viet-Thang Vu*****, Tien-Dung Duong*****	*Vietnam National University, Vietnam, **Global IT Research Institute, Korea, ***Thai Nguyen University, ****HaTinh University, *****People's Security Academy, *****Hanoi University of Industry, *****VietNam Academy of science and technology, Vietnam	2022000734	OK
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	Mohamad Arsalan Sheikh*, Gul Zameen Khan**, Farookh 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	Shuto 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*, Xuewen 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***, Keiichi 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	Xuewen 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*, Xuewen 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 2z 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	Collusion Resistant Watermarking for Deep Learning Models Protection	Sayoko Kakikura*, Hyunho Kang**, Keiichi 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 Hsun Lai***, Wen-Tsung Chang****, Shun-Ching Yang****	*National Taiwan Normal University, **National Taiwan University of Science and Technology, ***National Taiwan University of Science and Technology, ****Institute for Information Industry, Taiwan	2021275066	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	Haolin Zou*, Zhongyong Wang*, Pao-An Lin*, Weilong Zhan*, Peixin Chen*, Yuxin Li*, Yuyang Chen*, Zide She*, Juhui He*, Bing-Yuh Lu*, Yuxin Li*, Yuyang Chen*, Zide She*, Juhui He*, Bing-Yuh Lu*	*Guangdong University of Petrochemical Technology, China	2022000545	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-Trang****, Ha-Nam Nguyen*****	*Vinh University of Technology Education, **Vietnam National University in Hanoi, ***Van Lang University, ****3Posts and Telecommunications Institute of Technology, *****Vietnam Institute for Advanced Study in Mathematics, Vietnam	2021274585	Ok
20220123	1D	Cloud Computing & Search Engine	14-Feb-22	Preliminary Study of Cloud Aided Monitoring of Basic Physiological Signals	Mei Liu*, Ankang Lin*, Rushan Wu*, Sen Liu*, Gaowei Lei*, Junzhi Lu*, Man Xie*, Pao-An Lin*, Junbai Wu*, Bing-Yuh Lu*	*Guangdong University of Petrochemical Technology, China	2022276076	OK

20220132	5A	Network Management & Operation	15-Feb-22	Acceleration of a Client Based DNSSEC Validation System in Parallel with Two Full-Service Resolvers	Yong Jin*, Kazuya Iguchi**, Nariyoshi Yamai**, and Masahiko Tomoishi*	*Tokyo Institute of Technology, **Tokyo University of Agriculture and Technology, Japan	2021272013	OK
20220141	5C	Industry 4.0, AI, & Big Data 3	15-Feb-22	Recognition of Transformer High Frequency Partial Discharge Based on Time Domain Feature	Meng Liu*, Ying Lin*, Qingdong Zhu*, Junxin Wang*, Yi Yang*, Chao Gu*, Wenbing Zhu*, Wenjie Zheng*, Demeng Bai*, Jiafeng Qin*, Jian Wang*, Fengda Zhang*, Zhuangzhuang Li*	*State Grid Shandong Electric Power Research Institute, China	2021267315	Ok
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	2021275355	OK
20220147	2A	Wireless & Mobile Communication 2	14-Feb-22	Dynamic spectrum access based on double deep Q-network and convolution neural network	Guangjin Fang, Bin Shen, and Hong Zhang, Taiping Cui	Chongqing University of Posts and Telecommunications (CQUPT), China	2022004003	Ok
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	Chungbuk National University, Korea	2021275285	OK
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 Summair Raza**	*National University of Sciences and Technology, **Virtual University of Pakistan, Pakistan	2021275408	OK
20220159	4A	Optical Network	15-Feb-22	Optical interconnection through direct optical wire	Hyun-Woo Rhee*, Jong-Bum You**, Jae-Yong Kim*, Hyeonho Yoon*, Hyo-Hoon Park*	*Korea Advanced Institute of Science and Technology (KAIST), **National Nanofab Center (NNFC), Korea	2020005893	Ok
20220162	5A	Network Management & Operation	15-Feb-22	Quick Blocking Operation of Firewall System Cooperating with IDS and SDN	Yusei Katsura*, Pranpariya Sakarin**, Nariyoshi Yamai***, Hiroyuki Kimiyama****, Vasaka Visoottiviseth**	*Nara Institute of Science and Technology, Japan, Mahidol University, Thailand, ***Tokyo University of Agriculture and Technology, Japan	2021274976	OK
20220165	4A	Optical Network	15-Feb-22	Optical Sideband Modulation in Silicon Photonics Platform Using Mach-Zehnder Interferometers	Muhammad Fasih, Hyeonho Yoon, Namhyun Kwan, Junhyeong Kim, Jinhyeong Yoon, Rabiul Islam Sikder, Hamza Kurt and Hyo-Hoon Park	Korea Advanced Institute of Science and Technology, Korea	2022000987	OK
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**, Gyuyeol KONG***, Hyun-Kook KAHNG*	*Korea University, **Daejeon University, ***Chongshin University, Korea	2021120600	OK
20220174	1D	Cloud Computing & Search Engine	14-Feb-22	A Proposed Load Balancer Using Naive Bayes to Enhance Response Time on Cloud Computing multi-path load balancing routing protocol based on Markov model	Tran Cong Hung*, Tran Duy Tien**, Le Ngoc Hieu***	*The Saigon International University, **Saigon University, ***Ho Chi Minh City Open University, Vietnam	2021274923	Ok
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*, Yonghang Yan*, DanMeng*, Zhijia Li*, Xuewen Xia*, Chen Chen*	*Henan University, China	2021270684	OK
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	Jaeyeong Cha*, Juyong Park*, Jongpil Jeong*	*Sungkyunkwan University, Korea	2021271799	OK
20220184	1A	Wireless & Mobile Communication 1	14-Feb-22	Performance Analysis of DSSS-PDMA with SIC in GEO Satellite-Terrestrial Uplink Networks	Yosuke Higasa*, Kazutoshi Yoshii*, Megumi Saito*, Jiang Liu*, Shigeru Shimamoto*, Takuya Okura**, Naoko Yoshimura**, Amane Miura**, Hiroyuki Tsuji**, Morio Toyoshima**	*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	Hong-Quan Do*, T.H.-An Nguyen**, Quoc-Anh Nguyen**, Trung-Hieu Nguyen**, Vu-Viet Vu*, Cuong Le*	*Vietnam National University, **FPT University, Vietnam	2022000543	OK

20220194	4B	Information Network Security 2	15-Feb-22	The Impact of the Practical Security Test during the Software Development Lifecycle	Chen, Shiang-Jiun*, Pan, Yu-Chun*, Ma, Yi-Wei**, Chiang, Cheng-Mou*	*Telecom Technology Center, **National Taiwan University of Science and Technolo, Taiwan	2022000669	Ok
20220197	6A	Process mining & e-Services	16-Feb-22	Process Mining on Learning Activities in a Learning Management System	Gede Agung Ary Wisudawan*, Angelina Prima Kurniati*	*Telkom University, Jalan Telekomunikasi Terusan Buah Batu Bandung, Indonesia	2021274818	OK
20220272	4C	Industry 4.0, AI, & Big Data 2	15-Feb-22	A feature extraction method for automatic identification of flying targets from radar data	M.T. Nguyen* , A.T. Nguyen*, V.D. Hoang**, D.D. Lam*	*C4I Center, VHT, Viettel Group, **Ho Chi Minh City University of Technology and Education, Vietnam	2022002063	Ok
20220275	1A	Wireless & Mobile Communication 1	14-Feb-22	Performance Analysis of Intelligent Reflecting Surface-Assisted Orbital Angular Momentum-Based Communication Systems	Kosei Ono, Kazutoshi Yoshii, Megumi Saito, Zhenni Pan, Jiang Liu, Shigeru Shimamoto	Waseda University, Japan	2021275580	OK
20220281	5A	Network Management & Operation	15-Feb-22	Ergodic Capacity Analysis of OFDM-based NB-PLC Systems	Javier Hernandez Fernandez*,**, Luis Lacasa***, Aymen Omri**, Alfredo Sanz*** and Munther E. Koborsi****	* Hamad Bin Khalifa University, **Iberdrola Innovation Middle East, Qatar, ***Microchip Technology, Spain, ****Qatar International First for Electro Mechanical W.L.L, Qatar	2021275139	OK
20220290	1C	Smart City, IoT & ERP 1	14-Feb-22	IoTivity Packet Parser for Encrypted Messages in Internet of Things	Hyeonah Jung, Hyungjoon Koo, and Jaehoon (Paul) Jeong	Sungkyunkwan University, Korea,	2021274905	OK
20220296	4A	Optical Network	15-Feb-22	Different Multi-layer Photonic Configurations for Light Filtering in Optical Communications	Rabiul Islam Sikder†, Muhammad Fasih†, Zunnoor Fayyaz Awan, Hyeonho Yoon, Hyo-Hoon Park, and Hamza Kurt	Korea Advanced Institute of Science and Technology, Korea	2022001004	OK
20220299	6B	Smart Service, Web Service & Future Web	16-Feb-22	SNS Influencer Marketing Platform for Market Advertisement of Small-Sized Business Runners	Mose Gu, Jinyong Kim, Yunbo Shim, and Jaehoon (Paul) Jeong	Sungkyunkwan University, Korea,	2021274902	OK
20220302	4C	Industry 4.0, AI, & Big Data 2	15-Feb-22	An empirical study for density peak clustering	Viet-Vu Vu*, Byeongnam Yoon**, Hong-Quan Do*, Hai-Minh Nguyen***, Tran-Chung Dao***, Cong-Mau Tran****, Doan-Vinh Tran*****	*Vietnam National University, Vietnam, ****Global IT Research Institute GIRI, Korea, ***Thai Nguyen University, ****Vietnam National University, Vietnam	2022000714	OK
20220314	4B	Information Network Security 2	15-Feb-22	OWASP IoT Top 10 based Attack Dataset for Machine Learning	Nay Myat Min*, Vasaka Visoottiviseth*, Songpon Teerakanok*, Nariyoshi Yamai**	*Mahidol University, Thailand, **Tokyo University of Agriculture and Technology (TUAT), Japan	2021275004	OK
20220317	3C	Industry 4.0, AI, & Big Data 1	15-Feb-22	A Conceptual Architecture for Deep-learning-based Video-Objects Retrieving System	Dinh-Lam Pham**, Viet-Vu Vu*, Byeongnam Yoon*, Kyoung-Sook Kim*, Kwanghoon Pio Kim*	*Kyonggi University, Korea, **Vietnam National University, Vietnam	2021272362	OK
20220320	6C	Industry 4.0, AI, & Big Data 4	16-Feb-22	Domain Identification By Frontier Observation In Cylindrical And Spherical Reference Frame	James Kouawa Tamgno*, Boudal NIANG*, Mamadou Alpha BARRY*, Samuel Ouya**	*eNOV/ESMT & LITA/UCAD, **LITA/UCAD, Senegal	2022005406	Ok
20220323	5C	Industry 4.0, AI, & Big Data 3	15-Feb-22	Domain Recognition By Border Observation In Dimension 1 & 2	James Kouawa Tamgno*, Zacharia Damoue*, Samuel Ouya**, Ahmed Kora*	*eNOV/ESMT & LITA/UCAD, **LITA/UCAD, Senegal	2022005405	Ok
20220326	4C	Industry 4.0, AI, & Big Data 2	15-Feb-22	OPTIMIZATION OF EIGRP DYNAMIC ROUTING PROTOCOL BASED ON ARTIFICIAL INTELLIGENCE ALGORITHM	James Kouawa Tamgno*, Emile Kone Araba*, Zacharia Damoue*, Claude LISHOU**	*ESMT Dakar, **ESP/UCAD Dakar, Sénégal	2022005400	Ok
20220329	4B	Information Network Security 2	15-Feb-22	Autoencoder ensembles for network intrusion detection	Chun LONG**, JianPing XIAO**, Jinxia WEI*, Jing ZHAO**, Wei WAN**, Guanyao Du**,	*Computer Network Information Center, CAS (Chinese Academy of Sciences), **University of Chinese Academy of Sciences, China	2021274533	OK
20220332	3D	System, Software & Work Method	15-Feb-22	An Efficient Topology-based Optimization Method of Broadband Absorbing Material	Li Yiran, Gentaro Konishi, Megumi Saito, and Shigeru Shimamoto	Waseda University, Japan	2021273541	Ok
20220335	3C	Industry 4.0, AI, & Big Data 1	15-Feb-22	IoTES (A Machine learning model) Design dependent encryption selection for IoT devices	Matasem Saleh*, NZ Jhanjhi*, Azween Abdullah*, Raazia Saher**	*Taylor's University, Malaysia, **King Faisal University, Saudi Arabia	2022275717	OK

20220341	3D	System, Software & Work Method	15-Feb-22	Metadata Management and Harvesting System in Smart Open Data As a Service	Minh Chau Nguyen*, Heesun Won*, Siwoon Son*, Yerin Woo**, Hyeonjae Jeong**	*Electronics and Telecommunication Research Institute, **University of Science and Technology, Korea	2021272379	OK
20220347	4B	Information Network Security 2	15-Feb-22	A Survey of Security Aggregation	Sufang Zhou*, Mingzhe Liao*, Baojun Qiao*, Xiaobo Yang**	*Henan University, **China United Network Communication Corporation Henan Branch, China	2021274352	OK
20220350	3C	Industry 4.0, AI, & Big Data 1	15-Feb-22	A Defect Detection Model for Casting Product using Wavelet Transform Denoise and Xception	Juyong Park*, Seokju Oh*, Jongpil Jeong*	*Sungkyunkwan University, Korea	2021272077	OK
20220353	3D	System, Software & Work Method	15-Feb-22	Threat Modeling Analysis on FireStormcx's Webcam System	Jong Jin Cho, Miyoung Kang	Korea University, Korea	2022003066	Ok
20220359	1D	Cloud Computing & Search Engine	14-Feb-22	DDoS attacks detection in the cloud using K-medoids algorithm	SeongHo Yoon, Miyoung Kang	Korea University, Korea	2022001855	Ok
20220362	6B	Smart Service, Web Service & Future Web	16-Feb-22	Verification Framework for Software-Defined Networking	Miyoung Kang, Jong Jin Cho	Korea University, Korea	2021275595	Ok
20220371	1A	Wireless & Mobile Communication 1	14-Feb-22	Relay Selection in NOMA-Based Diamond Relaying Networks	Noha H. Khattab*, Samy S. Soliman**, M. Saeed Darweesh***, and Amr A. El-Sherif****, *****	*University of Science and Technology, **Cairo University, ***Nile University, ****New Giza University, *****Alexandria University, Egypt	2021268899	Ok
20220374	6A	Process mining & e-Services	16-Feb-22	Usability Evaluation and Recommendation of User Interface Design for e-HAC Application by Using User-Centered Design Method	Salsabilla Rinaldi, Arfive Gandhi, Nungki Selviandro	Telkom University, Indonesia	2021274870	Ok
20220377	3D	System, Software & Work Method	15-Feb-22	An Initial Usability Testing for Improving Acceptance Criteria in A Scrum Project: An Angkasa LMS case study	Dana S. Kusumo*, Nungki Selviandro*, Kusuma Ayu Laksitowening*, Veronikha Effendy*, Monterico Adrian*	*Telkom University, Indonesia	2021274235	Ok
20220380	6A	Process mining & e-Services	16-Feb-22	Usability Evaluation of an Interactive Educational Mobile Application	A.A. Gede Yudhi Paramartha*, Ketut Agus Seputra*, Fauzan Azima**, Dio Pramudia Putra**, Eva Dwi**, Kadek Yota Ernanda Aryanto*	*Universitas Pendidikan Ganesha, **Asterium Indonesia, Indonesia	2022001698	Ok
20220383	3C	Industry 4.0, AI, & Big Data 1	15-Feb-22	A Time-Series Process Event Log Preprocessing Approach for Data-Intensive and Predictive Operationalization of Smart Factories	Minjae Park*, Sohyang Park**, Thanh-Hai Nguyen**, Dinh-Lam Pham**, Dongkeun Oh***, Kyoung-Sook Kim***, In-Kyoo Chun***, Kwanghoon Pio Kim**	*DAELIM UNIVERSITY COLLEGE, **KYONGGI UNIVERSITY, ***Smart Factory Research Institute, IC&IT Co., Korea	2022003605	Ok
20220386	4A	Optical Network	15-Feb-22	Performance Analysis of Relay-Aided NOMA in Underwater Optical Wireless Communication System under Ocean Turbulence	Yanjun Liang*, Hongxi Yin*, Lianyou Jing*, Xiuyang Ji*, Jianying Wang*	*Dalian University of Technology, China	2021273102	OK
20220392	3B	Information Network Security 1	15-Feb-22	BiLSTM-Ridge Regression Meta Learning Model for Few-Shot Logs Classification	Hanji Shen**, Jun Li*, Xiang Fu***	*Chinese Academy of Sciences, **University of Chinese Academy of Sciences, ***Blue Sky Frontier Science and Technology Innovation Center, China	2021273825	OK
20220395	3B	Information Network Security 1	15-Feb-22	A Dynamic Cyber-attack Approach for Real-time Hardware-in-the-loop Simulation of Power Grid	Zijiao ZHOU*, Haowei YANG*, Huibo LI*, Jihao ZHANG *, Siqi LI*, Xiang GAO*, Peng GONG*	Beijing Institute of Technology, China	2022000735	Ok
20220398	1C	Smart City, IoT & ERP 1	14-Feb-22	A Framework of Large-Scale Virtual City Simulation with Land-Use Model	Bumho Kim, Chang-Gyu Lim, Seong-Ho Lee, Yung-Joon Jung	ETRI(Electronics and Telecommunications Research Institute), Korea	2021274376	OK
20220401	3B	Information Network Security 1	15-Feb-22	An IoT Device-trusted Remote Attestation Framework	Kyeong Tae Kim, Jae Deock Lim, Jeong Noyo Kim	Electronics Telecommunications Research Institute, Korea	2022003867	Ok

20220402	1A	Wireless & Mobile Communication 1	14-Feb-22	On the Stability of Load Adaptive Routing Over Wireless Community Mesh and Sensor Networks	Nemesio A. Macabale Jr.	Central Luzon State University, Philippines	2021275356	OK
20220403	2B	Blockchain & Application Security	14-Feb-22	SWC-based Smart Contract Development Guide Research	Jong-Hoon Lee, SeongHo Yoon	Korea University, Korea	2022001590	Ok
20220404	3B	Information Network Security 1	15-Feb-22	A Survey of Secure Boot Schemes for Embedded Devices	Rui Wang*, Yonghang Yan**	*Xidian University, **Henan University, China	2021275422	OK
20220405	3B	Information Network Security 1	15-Feb-22	A Novel Trusted Boot Model for Embedded Smart Device without TPM	Rui Wang*, Yonghang Yan**	*Xidian University, **Henan University, China	2021275481	OK
20220412	1C	Smart City, IoT & ERP 1	14-Feb-22	A Study on the Service model of risk mitigation on livestock pandemic based on Networks	Heechang chung*, Dongil kim**, Sokpal cho***	*Airpoint, **Donggeui university, ***Koita, Korea	2022002001	OK
20220414	3C	Industry 4.0, AI, & Big Data 1	15-Feb-22	Overview: Technology Roadmap of the Future Trend of Metaverse based on IoT, Blockchain, AI Technique, and Medical Domain Metaverse Activity	Md Ariful Islam Mozumder*, Muhammad Mohsan Sheeraz*, Ali Athar*, Satyabrata Aich*, Hee-Cheol Kim*	*Inje University, Korea	2022000508	OK