

## ICTACT2021 Final Program in Paper Number Order - 03, February, 2021(KST)

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**\*\* This is the final presentation schedule and can not be modified. All speakers are required to present on time.**

**\*\* Papers that are not OK in the CRF compliance check may not be published to the IEEE eXpress.**

**\*\* Please note that we have not accepted change requests that affect the entire program.**

PaperNo	Session	Session Title	Date	Paper Title	Author(s)	Organization(s)	IEEE PID	CRF compliance check
20210112	1A-01	Wireless & Mobile Communication 1	8-Feb-21	Performance Evaluation of Polarization Effects on 5G Clustered Delay Line Channels	Mykola Servetnyk*, Wei-Han Hsiao*, Alisher Mukashev**	*Foxconn, Hsinchu, Taiwan, **National Chiao Tung University, Hsinchu, Taiwan	2020015845	Ok
20210115	1A-02	Wireless & Mobile Communication 1	8-Feb-21	Feasibility of interconnecting the University of Bangui and peripheral areas via the TVWS for e-learning in the context of COVID-19	Edgard NDASSIMBA, Nadège Gladys NDASSIMBA, Ghislain Mervyl KOSSINGOU, Samuel OUYA	Laboratory LIRT	2021010730	Ok
20210116	3B-01	Wireless & Mobile Communication 1	9-Feb-21	Tamper Detection Based on Webpage Change Features	Hanji Shen**, Wei Wan*, Chun Long*, Jun Li*, Jingdeng Zhou*, Yuhao Fu*, Xiaofan Song*	*Chinese Academy of Sciences, China, **University of Chinese Academy of Sciences, China	51234x	Ok
20210117	1A-03	Wireless & Mobile Communication 1	8-Feb-21	Performance Analysis of Mixed MIMO RF / FSO DF Relaying Based on Globally Coupled Low Density Parity Check (GC-LDPC) Codes	Ibrahima GUEYE, Idy DIOP, Ibra DIOUM, K Wane KEITA, Papis NDIAYE, Moussa DIALLO, Sidi Mohamed FARSSI	Polytechnic Institute (ESP), Universite Cheikh Anta Diop, Senegal	2021010873	Ok
20210119	4C-01	Wireless & Mobile Communication 1	9-Feb-21	Drone Forensics: A Case Study on DJI Mavic Air 2	James Kin Wah Lan*, Frankie Kin Wah Lee*	HTX (Home Team Science & Technology Agency), Singapore	2021002381	Ok
20210124	5C-01	Blockchain and Application Security 1	9-Feb-21	DNN-based Human Activity Recognition by Learning Initial Motion Data for Virtual Multi-Sports	Jong-Sung Kim	*ETRI(Electronics and Telecommunications Research Institute), Korea	2021007069	Ok
20210125	5C-02	Blockchain and Application Security 1	9-Feb-21	Automatic Vocabulary Grouping and Deep Combination for News Credibility and Reliability Evaluation Corresponding to Specific Language	Ming-Shen Jian*, Mu-Xuan Yu	National Formosa University, Taiwan	2020008678	Ok
20210126	3B-02	Blockchain and Application Security 1	9-Feb-21	ARP Spoofing-based SSL Stripping Mitigation Technique Using DHCP Snooping and ARP Inspection	Hannah A. S. Adjei*, Mr. Tan Shunhua*, Yangyang Li*, Emmanuel S. A. Gyarteng*, George K. Agordzo**, Gregory Peprah***	*Southwest University of Science and Technology, **Zhejiang University of Science and Technology, China, ***Kwame Nkrumah University of Science and Technology, Ghana	2020016670	Ok
20210129	1A-04	Smart City, IoT & ERP 1	8-Feb-21	Millimeter-Wave Channel Estimation-Tracking Measuring Channel's Instantaneous Rate of Change	Mohammadreza Robaei, Robert Akl, Robin Chataut, Utpal Kumar Dey	University of North Texas Denton, USA	2020014175	Ok
20210130	6C-01	Smart City, IoT & ERP 1	10-Feb-21	Oilonomics: Making sense of the impact of hydrocarbon production on socio-economics	Abdunnaser(Naser) Erwemi*, Ashfak Ahmed Chowdhury**, Jin Haeng Lee***, Qian Sun****, Quyen Vu Nguyen*****, Farrukh Hamza*****, WenWei Liao*****	*Noble Energy, **General Motors, ***Borehole Seismic LLC, ****Georgia Institute of Technology, *****Bright Health, *****University of Colorado Boulder, U.S.A.	2020016299	Ok
20210131	4D-01	Smart City, IoT & ERP 1	9-Feb-21	TCP Congestion Avoidance in Data Centres using Reinforcement Learning	Karwani, Ali, Shahram Shah Heydari	University of Ontario Institute of Technology, Canada	2021004928	Ok
20210134	6C-02	Smart City, IoT & ERP 1	10-Feb-21	The Comparison For Epidemiological Investigation Of Corona Virus-19 Pandemic	WooHyun Park	Sungkyunkwan University, Korea	20210134	Ok
20210135	3D-01	System, Software & Work Method 1	9-Feb-21	Cooperative motion planing for multiple UAVs via Bezier curve guided Line of Sight techniques	Warunyu Hematulin†, Patcharin Kamsing†*, Peerapong Torteeka**, Thanaporn Somjit†, Thaweerath Phisannupawong†, Tanatthep Jarawan†	†King Mongkut's Institute of Technology Ladkrabang, Thailand, **National Astronomical Research Institute of Thailand, Thailand.	2021001031	Ok

20210136	1A-05	System, Software & Work Method 1	8-Feb-21	High Throughput and Flexible Rate 5G NR LDPC Encoder on a Single GPU	Shixin Liao*†, Yueying Zhan*, Ziyuan Shi*† and Lei Yang*	*Chinese Academy of Science, China, †University of Chinese Academy of Sciences, China	2021006846	Ok
20210137	1B-01	System, Software & Work Method 1	8-Feb-21	The Visualized Analysis of Bitcoin Change Wallets in the Coin Flow Network	Shan-Wen CHEN, Kuan-Po LIU, Fu-Ching TSAI	Central Police University, Taiwan	2021006528	Ok
20210139	6A-01	Wireless & Mobile Communication 2	10-Feb-21	SOI Rib Waveguide Physical Dimension Dependent Micro Ring Resonator Characterization	A.T.C.Chen* and M. Rakib Uddin	Universiti Teknologi Brunei (UTB), Brunei Darussalam	2021008261	Ok
20210141	5B-01	Wireless & Mobile Communication 2	9-Feb-21	Sea Surface Temperature Prediction Approach Based on 3D CNN and LSTM with Attention Mechanism	Baiyou Qiao, Zhongqiang Wu, Yongqian Wang, Gang Wu	School of Computer Science and Engineering, Northeastern University, China	2020013077	Ok
20210142	1C-01	Wireless & Mobile Communication 2	8-Feb-21	A Strategic Sensor Placement for a Smart Farm Water Sprinkler System: A Computational Model	Jinsuk Baek, Munene W. Kanampiu	Winston-Salem State University, USA	2021008327	Ok
20210143	3B-03	Wireless & Mobile Communication 2	9-Feb-21	Early Detection of LDDoS Attacks in IOT Utilizing Locality Sensitive Incremental TSVM Method	ZengGuang Liu*, XiaoChun Yin**, RuiPing Yang*	*ShanDong University of Science and Technology, **WeiFang University of Science & Technology, China	2020013845	Ok
20210147	2A-01	Wireless & Mobile Communication 2	8-Feb-21	Reservoir Computing Based Equalization for Radio over Fiber System	Jingwei Li *†, Yibo Lv*†, Xu Li*, Tianxiang Wang*,XiaoWen Dong*	*Huawei Co. LTD, China, †These authors contributed equally to this work	2020010174	Ok
20210151	2D-03	Blockchain and Application Security 2	8-Feb-21	Disaster Warning and Alerting Integrated Systems Based on CAP profile	Seung-Hee Oh*, Woo-Sug Jung*, Yong-Tae Lee*, Kyung-Seok Kim**	*Electronics and Telecommunications Research(ETRI), **Chungbuk National University, Korea	2021007034	Ok
20210152	6C-03	Blockchain and Application Security 2	10-Feb-21	Sexual Offenses against Children: Social Learning Theory and Dark Web Reinforcement	Chi-cheng YANG, En-tien MA, Da-Yu KAO	Central Police University, Taiwan	2021003574	Ok
20210153	2A-02	Blockchain and Application Security 2	8-Feb-21	Massive MIMO in Fixed-Point Arithmetic	Mi Tian, Mihai Sima, and Michael McGuire	University of Victoria, Canada	2021000923	Ok
20210154	1D-01	Smart City, IoT & ERP 2	8-Feb-21	Research on Evaluation Method of Virtual Machine Quantity in Cold and Hot Operation Mode Based on Reliability Guarantee	Jun Guo, Yi Li, Chen Liu, Zixuan Zhao, Bin Zhang	Northeastern University, China	2021009491	Ok
20210155	1C-02	Smart City, IoT & ERP 2	8-Feb-21	An Evaluation Model of Traffic Abnormal Probability of Adjacent Freeway Nodes Based on Space-time Constraints	Jun Guo, Xinwei Liu, Chen Liu, Zixuan Zhao, Bin Zhang	Northeastern University, China	2021001517	Ok
20210156	1D-02	Smart City, IoT & ERP 2	8-Feb-21	Research on a Virtual Machine Mode Transfer Method Supporting Energy Consumption Optimization	Jun Guo, Yi Li, Chen Liu, Zixuan Zhao, Bin Zhang	Northeastern University, China	2021001575	Ok
20210157	5A-01	Smart City, IoT & ERP 2	9-Feb-21	Vehicle detection counting algorithm based on background difference method and SORT	Jun Guo*, Heyan Gao*, Zeyu Yan*, Jiahui Cao**, Zhenbo Fu**	*Software College, Northeastern University, **School of Computer Science and Engineering, Northeastern University, China	2021006619	Ok
20210158	1C-03	System, Software & Work Method 2	8-Feb-21	Development of Centimeter Level Positioning Mobile Based Application	Charon Poolsin*, Nattakit Sa-ngiam**, Nikorn Sutthisangiam*	*King Mongkut's University of Technology North Bangkok, **Hydro Informatics Institute, Thailand	2021010555	Ok
20210159	5B-02	System, Software & Work Method 2	9-Feb-21	Vision Detection System Based on Mixed Recognition of Gesture and Speech	Jun Guo *, Jingjing Hu**, Yuhua Lai**, Kaikai An**, Zhengxiao Zhang**	*Software College, Northeastern University, **School of Computer Science and Engineering, Northeastern University, China	2021007112	Ok
20210160	5C-03	System, Software & Work Method 2	9-Feb-21	Digital elementary school solution with moodlebox in a conflict zone: the case of the Central African Republic	Nadege Gladys NDASSIMBA*, Edgard NDASSIMBA*, Ghislain Mervyl KOSSINGOU*, Bessan Melckior DEGBOE**, Samuel OUYA**	*Laboratory LIRT, University Cheikh Anta Diop of Dakar, **University Cheikh Anta Diop of Dakar, Higher Polytechnic, Senegal	2021010781	Ok

20210161	6A-02	Wireless & Mobile Communication 3	10-Feb-21	Transverse Electric (TE) and Transverse Magnetic (TM) Modes Dependent Effective Index Analysis for a Nano-scale Silicon Waveguide	A.T.C.Chen* and M. Rakib Uddin	Universiti Teknologi Brunei (UTB), Brunei Darussalam	2021008265	Ok
20210164	5B-03	Wireless & Mobile Communication 3	9-Feb-21	Proposal of conversational chatbots for educational remediation in the context of covid-19	Kokou GAGLO*, Bessan Melckior DEGBOE*, Ghislain Mervyl KOSSINGOU*, Samuel OUYA*	*Laboratory LIRT, Higher Polytechnic School, University Cheikh Anta Diop of Dakar, Senegal	2021008370	Ok
20210165	1D-03	Wireless & Mobile Communication 3	8-Feb-21	OS noise Analysis on Azalea-unikernel	Seung-Jun Cha, Seung Hyub Joen, Yeon Jeong Jeong, Jin Mee Kim, Sungin Jung	ETRI(Electronics and Telecommunications Research Institute), Korea		Ok
20210167	1C-04	Wireless & Mobile Communication 3	8-Feb-21	A Study on the Population Distribution Prediction in Large City using Agent-Based Simulation	Bumho Kim, Chang-Gyu Lim, Seong-Ho Lee, Yung-Joon Jung	ETRI(Electronics and Telecommunications Research Institute), Korea	2021006625	Ok
20210168	6C-04	Network & Defense Security 1	10-Feb-21	Locating High-loss Links for OpenFlow Networks by Multiple Hosts to Probe Packets	Nguyen Minh Tri*, Masahiro Shibata*, Masato Tsuru*, Akira Kawaguchi†	*Kyushu Institute of Technology, Japan, †The City College of New York of The City University of New York, U.S	2021000151	Ok
20210169	2A-03	Network & Defense Security 1	8-Feb-21	A 28 GHz Beamforming Technique for 5G Advanced Communication Systems	Yoshimi Fujii*, Tetsuya Iye*, Kensuke Tsuda*, Akihiro Tanibayashi*	Kozo Keikaku Engineering, Inc., Japan	2021011386	Ok
20210171	2C-01	Network & Defense Security 1	8-Feb-21	IoT based Construction Site Monitoring System for Highway Engineering	Xiaojun HOU*, Heng WU**, Ting PENG**, Xiaoling WANG***, Taoyan ZHOU**, Kesheng YANG**	*Sichuan Chuanjiao Road and Bridge Co., LTD. **Chang 'an University, ***Xi 'an Branch of the People's Bank of China, China	2021000173	Ok
20210172	2A-04	Network & Defense Security 1	8-Feb-21	An Experimental Study of 28 GHz Analog Beamforming with a Uniform Linear Array	Tetsuya Iye*, Kensuke Tsuda*, Yoshimi Fujii*	*Kozo Keikaku Engineering Inc., Japan	2021006919	Ok
20210173	2C-02	Smart City, IoT & ERP 3	8-Feb-21	Accuracy Evaluation of Indoor Positioning by Received Signal Strength using Deep Learning	Yuma Narita, Shan Lu, Hiroshi Kamabe	Gifu University, Japan.		Ok
20210174	6A-03	Smart City, IoT & ERP 3	10-Feb-21	Sleep Mode on Delay Sensitive Traffic on Optical Network Unit	Nurazmina Lingas, M. Rakib Uddin	University Teknologi Brunei (UTB), Brunei Darussalam	2021007164	Ok
20210175	5B-04	Smart City, IoT & ERP 3	9-Feb-21	FACIAL EXPRESSION RECOGNITION: A SURVEY AND ITS APPLICATIONS	Hong-Quan Do*, Vu-Tuan Dang*, Viet-Vu Vu*, Byeongnam Yoon**	*Vietnam National University, Vietnam, **Kyonggi University, Korea		Ok
20210176	4B-01	Smart City, IoT & ERP 3	9-Feb-21	APT attack response system through AM-HIDS	Seoung-Pyo Hong*, Chae-Ho Lim**, Hoon Jae Lee***	*Department of Ubiquitous IT, Dongseo University, **Bitscan INC , ***Division of computer engineering, Dongseo University, Korea	2021011578	Ok
20210179	3B-04	Drone, ITS, LBS, Telematics	9-Feb-21	Zero-Day Attack Packet Highlighting System	Jang Hyeon Jeong, Jong Beom Kim* Seong Gon Choi	Chungbuk National University, *Xabyss Inc, Korea	2021007144	Ok
20210186	2C-03	Drone, ITS, LBS, Telematics	8-Feb-21	Energy Loss Minimization Modelling for Given Energy Path in Vehicular Energy Network	Lae Yeop Lee*, Seong Gon Choi*	*Chungbuk University, Korea	2021010402	Ok
20210188	6B-01	Drone, ITS, LBS, Telematics	10-Feb-21	Edge Computing System applying Integrated Object Recognition based on Deep Learning	Kwihoon Kim*, Sewon Oh**	*KNUE, **ETRI(Electronics and Telecommunications Research Institute), Korea		Ok
20210189	5C-04	Wireless & Mobile Communication 4	9-Feb-21	Intelligent Blacklist Security System for Protecting Spammer in Corporate Email Solution: A Case of Corporate Email Service Provider in Thailand	Rattanachai Wongwatkit, Montree Raktham, Thanadet Phawananthaphuti	Technology Land Co., Ltd, Thailand	2021004997	Ok
20210191	4C-02	Wireless & Mobile Communication 4	9-Feb-21	A Study on Systematic Ransomware Detection Techniques	Sun-Jin Lee, Hye-Yeon Shim, Yu-Rim Lee, Tae-Rim Park, So-Hyun Park, Il-Gu Lee	Sungshin University, Korea	2021006721	Ok

20210192	2B-01	Wireless & Mobile Communication 4	8-Feb-21	Protecting Personal Healthcare Record Using Blockchain & Federated Learning Technologies	Satyabrata Aich*, Nday Kabulo Sinai**, Saurabh Kumar***, Mohammed Ali****, Yu Ran Choi*, Moon-IL Joo*, Hee-Cheol Kim*****	*Inje University, **K4-security, ***U1 Geographic Information System, ****College of Medicine, Yonsei University, *****Institute of Digital Anti-Aging Healthcare/u-HARC, Inje University, Korea	2021010587	Ok
20210193	5B-05	Wireless & Mobile Communication 4	9-Feb-21	Detection of Different stages of COPD Patients Using Machine Learning Techniques	Ali Hussain*, Ikromjanov Kobiljon Komil Ugli*, Beom Su Kim*, Minji Kim*, Harin Ryu* Satyabrata Aich*, Hee-Cheol Kim**	*Institute of Digital Anti-Aging Healthcare, Inje University, **Institute of Digital Anti-Aging Healthcare/u-HARC, Inje University, Korea	2021010590	Ok
20210194	6B-02	Network & Defense Security 2	10-Feb-21	A Transfer Learning Approach for Identification of Distracted Driving	Ikromjanov Kobiljon Komil Ugli*, Ali Hussain*, Beom Su Kim*, Satyabrata Aich*, Hee-Cheol Kim**	*Institute of Digital Anti-Aging Healthcare, Inje University, **Institute of Digital Anti-Aging Healthcare/u-HARC, Inje University, Korea		Ok
20210195	4A-01	Network & Defense Security 2	9-Feb-21	An efficient & Cost-Effective EPON-Based Next Generation 5G Mobile Backhaul RAN Architecture	Syed R. Zaidi*, Ajaz Sana*, and Shahab Hussain**	*Bronx Community College of the City University of New York, ** Nokia, USA	2021004881	Ok
20210196	2A-05	Network & Defense Security 2	8-Feb-21	A RSSI-Based Mesh Routing Protocol based IEEE 802.11p/WAVE for Smart Pole Networks	Jong-Young Choi*, Jiwoong Park*, Sung-Hwa Lim†, Young-Bae Ko*‡	*Ajou University, †Namseoul University, ‡Ajou University, Korea	2021010800	Ok
20210198	3D-02	Network & Defense Security 2	9-Feb-21	IoT Infrastructure for Monitoring and Controlling the Wireless Power Transfer Systems	M.M Rana, A Abdelhadi, Sireen Khatun	University of Houston, USA	2021010329	Ok
20210200	3A-01	Smartphone, Web Server, Network Forensics	9-Feb-21	A Study on Estimation of Retransmission Rate of Background Traffic for Various Scan Rates with Scan Response Delay	Kenta SUZUKI, Takuya KURIHARA, Kazuto YANO, Yoshinori SUZUKI	Advanced Telecommunications Research Institute International (ATR), Japan	2021007233	Ok
20210203	3D-03	Smartphone, Web Server, Network Forensics	9-Feb-21	Wi-Fi Received Signal Strength based Indoor Localization System by K-Nearest Neighbors fingerprint integrated D*algorithm	Tanathep Jarawan*, Patcharin Kamsing*, Peerapong Torteeka**, Shariff Manuthasna**, Warunyu Hematulin*, Tachodom Chooraks*, Thaweerath Phisannupawong*, Sitthirak Sangkarak*, Sookaseam Mungkhud*, Thanaporn Somjit*	*King Mongkut's Institute of Technology Ladkrabang, **National Astronomical Research Institute of Thailand, Thailand.	2021004142	Ok
20210205	6B-03	Smartphone, Web Server, Network Forensics	10-Feb-21	Relocation Framework to Improve the Usage Efficiency of Bicycle-sharing Systems	Chun-Hee Lee, Jeong-Woo Lee, Yung Joon Jung and Il Yeon Cho	Electronics and Telecommunications Research Institute, Korea		Ok
20210206	4B-02	Network Management, Operation and Maintenance	9-Feb-21	Malware Developing Guide: Encryption and Decryption	Jutiphat Chatsomsanga, Chawalit Benjangkaprasert	King Mongkut's Institute of Technology Ladkrabang, Thailand	2021003966	Ok
20210211	2C-04	Network Management, Operation and Maintenance	8-Feb-21	On Mitigation of Ranging Errors for Through-the-Body NLOS Conditions using Convolutional Neural Networks	Sung-Chan Nam, Hong-Beom Choi, Young-Bae Ko	Ajou University, Korea		Ok
20210212	2D-01	Ubiquitous Sensor Network	8-Feb-21	Is a False Positive really False Positive?	Hong Jun Choi, Hyuk Lee, Jin-Young Choi	Korea University, Korea	2021011800	Ok
20210213	6C-05	Ubiquitous Sensor Network	10-Feb-21	End-to-End Routing in SDN Controllers Using Max-Flow Min-Cut Route Selection Algorithm	Nada Alzaben, Danial Engels	Southern Methodist University, USA	2021008376	Ok
20210214	4B-03	Ubiquitous Sensor Network	9-Feb-21	Intrusion Representation and Classification using Learning Algorithm	Babu Kaji Baniya	Grambling State University, USA	2021004465	Ok
20210215	1B-02	Ubiquitous Sensor Network	8-Feb-21	Incentive and playful strategy for a participative model of learning and experimenting blockchain	Fatou Ndiaye MBODJI, Gervais MENDY, Ahmath Bamba MBACKE, Samuel OUYA	UCAD/ESP, Senegal		Ok
20210216	1B-03	Industry 4.0, AI, Big Data 1	8-Feb-21	Formal modeling of Smart Contract-based Trading System	Woong Sub Park†, Hyuk Lee, Jin-Young Choi	School of Cybersecurity, Korea University, Korea		Ok

20210218	4C-03	Industry 4.0, AI, Big Data 1	9-Feb-21	Wireless Voice-controlled Movable Electrical Heating Radiator	YuXin Li, JinPeng Chen, Bing-Yuh Lu, Xin Li, CanJie Yao, LinShu Zheng, Xin Bai, WanQin Jiang	Guangdong University of Petrochemical Technology, China		Ok
20210221	4B-04	Industry 4.0, AI, Big Data 1	9-Feb-21	Lightweight Intrusion Detection System Algorithm for the Internet of Things (IoT) Sensor	Abdul Fuad Abdul Rahman*, Azni Ab Halim**, Shazwani Salleh*, Nur Farhin Jamaludin*, Nurul Syazwani Kamarulzaman*, Madihah Zulfa Binti Mohamad*	*Malaysian Vulnerability Assessment Centre (MyVAC), **Universiti Sains Islam Malaysia Nilai, Malaysia		Ok
20210223	6B-04	Industry 4.0, AI, Big Data 1	10-Feb-21	A Study of Throughput Prediction using Convolutional Neural Network over Factory Environment	Yafei Hou*†, Kazuto Yano†, Norisato Suga‡†, Julian Webber§†, Eiji Nii†, Toshihide Higashimori†, Satoshi Denno*† and Yoshinori Suzuki†	*Okayama University, †ATR International, ‡Tokyo University of Science, §Osaka University, Japan	2021003861	Ok
20210224	5C-05	Industry 4.0, AI, Big Data 1	9-Feb-21	Cloud Security Issues and Log-based Proactive Strategy	Oumayma Mejri, Dana Yang, Inshil Doh	Ewha Womans University, Korea	2021006754	Ok
20210225	4A-02	Smart Service & Cloud Computing	9-Feb-21	Network Flow Data Re-collecting Approach using 5G Testbed for a Labeled Dataset	Gyeoul Lee, Jonghoon Lee, Youngsoo Kim, Jong-Geun Park	Electronics and Telecommunications Research Institute, Korea		Ok
20210229	3C-01	Smart Service & Cloud Computing	9-Feb-21	Implementation of Smart Farm Devices using Open Source Software	Sunghyun Yoon, Mun-Hwan Choi, Juyoung Park	Electronics and Telecommunications Research Institute, Korea	2021010544	Ok
20210231	3A-02	Smart Service & Cloud Computing	9-Feb-21	Research on Selection Method of Mobile Communication Signal Location Source	Huijie ZHU*, Wei XU**, Yalou SANG***, Zhiqiang YAO****, Limei Liu****, Moses Chukwuka OKONKWO****	*The 36th Research Institute of China Electronic Science and Technology Group Inc, **Changsha Technology Research Institute of Beidou Industry Safety ChangSha, ***People's Liberation Army of China, ****XiangTan University, China	2021010903	Ok
20210233	2D-02	Smart Service & Cloud Computing	8-Feb-21	A study on Multi-media Disaster Information Contents to provide Disaster Alert Service to the public	Beom-Jun CHO*, Ki Bong KWON*, Hyun Chul KIM*, Sungbo KANG*	*Korea Information Technology Valley Co., LTD., Korea	2021007191	Ok
20210234	5A-02	Smart Service & Cloud Computing	9-Feb-21	A Conversion System Based on Acoustic Communication for Using Bluetooth Low Energy Sensors Underwater	Yoshiaki Taniguchi, Hiroto Masuda	Kindai University, Japan	2021002844	Ok
20210235	3A-03	Optical Network	9-Feb-21	SRAD: A Novel Approach to Seamless Routing for Wireless Ad Hoc Networks	Saad Allawi Nsaif*, Sang Yoon Park**, Jong Myung Rhee**	*Verizon Communications, USA, **Myongji University, Korea	2021006220	Ok
20210237	4D-02	Optical Network	9-Feb-21	An Extensible Parsing Pipeline for Unstructured Data Processing	Shubham Jain*, Amy de Buitléir**, Enda Fallon*	*Athlone Institute of Technology, **Ericsson, Ireland	2021011364	Ok
20210238	3A-04	Optical Network	9-Feb-21	Cooperative MIMO Applied Null Beamforming to Self in Full-Duplex Wireless Communication System and its Implementation	Masahiro Kawano*, Yuhei Nagao*, Leonardo Lanante Jr*, Masayuki Kurosaki* and Hiroshi Ochi*	*Kyushu Institute of Technology, JAPAN	2021007295	Ok
20210239	4A-03	Optical Network	9-Feb-21	Busy/Idle Duration Prediction for Video and Audio WLAN Traffics Using Autoregressive Predictor with Data Categorization	Yafei Hou*, Shun Kawasaki* and Satoshi Denno*	*Okayama University, Japan	2021003146	Ok
20210244	4A-04	Industry 4.0, AI, Big Data 2	9-Feb-21	Timestamp Synchronization of Received Frames among Multiple Wireless LAN Nodes for Robust Access Point Coordination	Kazuto Yano† Eiji Nii† Kenta Suzuki† Koji Yamamoto‡	†Advanced Telecommunications Research Institute International, ‡ Graduate School of Informatics, Kyoto University, Japan	2021007033	Ok
20210248	2B-02	Industry 4.0, AI, Big Data 2	8-Feb-21	Blockchain-based Lightweight Transaction Process Modeling and Development	Tae-Shin Kang**, Moon-Il Joo*, Beom-Soo Kim*, Tae-Gyu LEE**	*Inje University, **Pyeongtaek University, Korea	2021008222	Ok
20210250	5A-03	Industry 4.0, AI, Big Data 2	9-Feb-21	A Review of Gateway Load Balancing Methods in Connecting MANET into Internet	Zhang Hui*, Zhang lingli**, Yan Yonghang***, Ci Linlin*	*Beijing Institute of Technology, **Beijing Aerospace Automatic Control Institute, ***Henan University, China	2021011758	Ok

20210251	5A-04	Industry 4.0, AI, Big Data 2	9-Feb-21	A Survey of Multipath Load Balancing Based on Network Stochastic Model in MANET	Zhang Hui*, Zhang lingli**, Yan Yonghang***, Ci Linlin*	*Beijing Institute of Technology, **Beijing Aerospace Automatic Control Institute, ***Henan University, China	2021011760	Ok
20210252	6A-04	Industry 4.0, AI, Big Data 2	10-Feb-21	Demonstration of Hybrid Probabilistic Geometric Shaping 64QAM Optical Fiber Transmission Using Optimized Constellation for MAP Detection with Hard Decision Decoding	Rachata Maneekut*, Daniel J. Elson*, Yuta Wakayama*, Shohei Beppu*, Hidenori Takahashi*, Noboru Yoshikane*, and Takehiro Tsuritani*	*KDDI Research Inc., Japan	2021006322	Ok
20210256	3C-02	Web Service & Future Web	9-Feb-21	Proposing Encryption Selection Model for IoT Devices Based on IoT device Design	Matasem Saleh*, NZ Jhanjhi*, Azween Abdullah*, RAAZIA SAHER**	*Taylor's University, Malaysia, **King Faisal University, Saudi Arabia	2021011739	Ok
20210258	2B-03	Web Service & Future Web	8-Feb-21	Blockchain Traceability in Healthcare: Blood Donation Supply Chain	Samin Sadri, Aamir Shahzad, Kaiwen Zhang	Canada E'cole de Technologie Supérieure, Canada		Ok
20210262	3C-03	Web Service & Future Web	9-Feb-21	Resilience Analysis of Multichord Peer to Peer IoT Satellite Networks	<b>Ahmed Ismail Abdel Ghafar*</b> , <b>Angeles Vazquez-Castro*</b> , <b>Mohamed Essam Khedr**</b>	*Autonomous University of Barcelona (UAB), Spain, **Arab Academy for Science and Technology and Maritime Transport (AASTMT), Egypt	2021006447	Ok
20210265	6B-05	Web Service & Future Web	10-Feb-21	Robot for Ball Fetch-and-Carry with Computer Vision in Deep Learning	Limin Su*, Chao-Jen Huang*, Mei Liu*, Bing-Yuh Lu*, Jidong Che*, Ximiao Wang*, Jiqi Feng*, Changyong Li*, Youhong Feng*, Yueliu Mo**	*Guangdong University of Petrochemical Technology, **Guangzhou College of Technology and Business, China		Ok
20210266	3C-04	Web Service & Future Web	9-Feb-21	A Study on the Cultivation Plan Service at the Preliminary production phase based on bigdata analysis	Heechang chung*, Dongil kim**, Sokpal Cho***	*Airpoit, **Dongeeui university, ***Koita, Korea,	2021011161	Ok