

ICACT2020 Final Program in Paper Number Order - 23, Janu

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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**** Papers that are not OK in the CRF compliance check may not be published to the IEEE eXpress.**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)
20200015	4B-01	System, Software, Work Method 1	18-Feb-20	Researches on Software Requirements Elicitation Approach of the Aviation Electronics Systems based on Multi-ontology	Xuan Hu*, Jie Liu*, Yichen Wang**
20200017	4B-02	System, Software, Work Method 1	18-Feb-20	The Orthogonal Defect Classification-based Software Error Pattern Ontology Construction Researches	Xuan Hu, Jie Liu*, Bo Wu
20200019	5A-01	Optical Network	18-Feb-20	2 to 4 Digital Line Decoder based on Photonic Micro-Ring Resonators	M. Rakib Uddin*, F. K. Law, Rafidah Petra, Zainidi Hamid, Nazri Ahmad and Nurazmina Lingas
20200025	1A-01	Wireless Communication 1	17-Feb-20	Orthogonal Polynomials Based Complex Gaussian Processes of Nonlinear Power Amplifier for 5G Wireless Communication Systems	Ditthawat Songratthaset* and Suwat Pattaramalai*
20200030	4C-04	IPTV, Internet Telephony	18-Feb-20	Based on Automatic Correlation Keyword Grouping and Combination Based Deep Information Search Corresponding to Specific Language Big Data -- Case of Leisure Recreation	Ming-Shen Jian*, Wei-Cheng Hong*, Sheng-Che TSAI*, Yu-Wei CHEN*, Chih-Ling FAN**
20200032	6A-01	Ubiquitous & Sensor Network	19-Feb-20	An Efficient hole Recovery Method in Wireless Sensor Networks	Mary Wu
20200036	1B-01	Smart City, IoT & ERP 1	17-Feb-20	Dynamic ACK skipping in TCP with Network Coding for Power Line Communication Networks	Nguyen Viet Ha*, Le Van Hau**, Masato Tsuru*
20200038	1D-05	Industry 4.0, AI, Big Data 1	17-Feb-20	User Mobility Synthesis based on Generative Adversarial Networks: A Survey	Seungjae Shin, Hongseok Jeon, Chunglae Cho, Seunghyun Yoon and Taeyeon Kim

20200040	6C-01	Information & Network Security	19-Feb-20	Analysis and Protection of Computer Network Security Issues	Ju Jinquan*, Mohammed Abdulhakim Al-Absi*, Ahmed Abdulhakim Al-Absi**, Hoon Jae Lee*
20200042	1A-02	Wireless Communication 1	17-Feb-20	Comparison between DSRC and other Short Range Wireless Communication Technologies	Mohammed Abdulhakim Al-Absi*, Ahmed Abdulhakim Al-Absi**, Hoon Jae Lee*
20200044	1B-02	Smart City, IoT & ERP 1	17-Feb-20	Precision variable anonymization method supporting transprecision computing	Keiya Harada*, Henri-Pierre Charles**, Hiroaki Nishi*
20200048	1D-01	Industry 4.0, AI, Big Data 1	17-Feb-20	Low Temperature Fluidity and Performance Evaluation for Sensor Unified Fuel Heater	Zhao Xiang*, Rafat Hamood Othman Saweed*, Ayaz Muhammad*, Dal-Hwan Yoon*
20200050	1A-03	Wireless Communication 1	17-Feb-20	Security in VANETs: Lightweight Protocol for Group-of-Vehicles Masters (LPGVM)	Hamaciré El Hadj Kalil*, Ahmed Dooguy Kora* and Selma Boumerdassi†
20200052	5D-01	Process mining & e-Service 1	18-Feb-20	A Study of Applying a 3D Instructional Software of Popular Science (Science On a Sphere Explorer) in Earth Science Education of an Elementary School	Wenwei Liao*, Eric J Hackathorn**, Sufen Wang***
20200057	5A-02	Optical Network	18-Feb-20	Radio Signal Generation over Fiber by Optical Injection Locking	Saïdou CONOMBO*, Mamadou D. DIOUF****, Samuel OUYA****, Ahmed D. KORA*
20200059	1B-03	Smart City, IoT & ERP 1	17-Feb-20	A Set Notation Configuration CoAP Scheme for Internet of Things	insuk Baek*, Munene W. Kanampiu*, Byeong Hyun Ko**
20200061	1D-02	Industry 4.0, AI, Big Data 1	17-Feb-20	A Study on Analytical Visualization of Unknown Web Status	WooHyun Park*
20200065	1B-04	Smart City, IoT & ERP 1	17-Feb-20	Efficient Network Administration for Smart Grid Data Center	Seonyong Jeong, Seungwon Shin

20200075	3A-04	Wireless Communication 3	18-Feb-20	Improvement of Special Drive Test Route (SDTR) Reliability for Indoor Radio Frequency Coverage Assessment in 3G/4G Mobile Networks	Brice A. Elono Ongbwa, Ahmed D. Kora, Thierry J. Fotso Webo
20200077	4C-01	IPTV, Internet Telephony	18-Feb-20	Proposal of an IVR Solution and Granting of Credit With Asterisk's AGI and a Flask RESTful Framework in an IMS Network: Case of an Advertisement	Latyr NDIAYE*, Kéba GUEYE*, Bessan Melckior DEGBOE*, Samuel OUYA*
20200079	2C-05	Authentication & Blockchain 2	17-Feb-20	Analysis of software weakness detection of CBMC based on CWE	Minjae Byun*, Yongjun Lee*, Jin-Young Choi*
20200081	1B-05	Smart City, IoT & ERP 1	17-Feb-20	A Design of IoT Device Configuration Translator for Intent-Based IoT-Cloud Services	Chaehong Chung, Jaehoon (Paul) Jeong
20200083	5C-04	Smart Service & Cloud Computing	18-Feb-20	Intercontinental Disk-to-Disk Data Transfer Experiment with a Lightweight DTN Software Stack	Purit Phan-udom*, Vasaka Visoottiviseth* and Ryousei Takano**
20200085	5D-02	Process mining & e-Service 1	18-Feb-20	Development of Automated Processing for High-Definition Mapping System	Prachaya Daruthep and Nikorn Sutthisangiam
20200089	5C-05	Smart Service & Cloud Computing	18-Feb-20	Adapting distributed stream processing technologies for the automation of modern health care systems	Rhaed Khiati, Muhammed Hanif, Choonhwa Lee
20200091	6C-02	Information & Network Security	19-Feb-20	Rule conversion mechanism between NIDPS engines	Jang Hyeon Jeong*, Si Young Lee**, Gyung Ho Park**, Seong Gon Choi*
20200093	2B-01	Smart City, IoT & ERP 2	17-Feb-20	ESS SoC Optimization System Using EV Control	Yong Hee Park, Lee Su Ho, Seong Gon Choi
20200095	6B-02	Web Service & Future Web	19-Feb-20	SDN-based heterogeneous network architecture with Multi-Controllers	Junhyuk Park, Wonyong Yoon
20200097	2C-02	Authentication & Blockchain 2	17-Feb-20	Blockchain as a Platform for Secure Cloud Computing Services	Wang-You Tsai and Tzu-Chuan Chou, Jiann-Liang Chen, Yi-Wei Ma and Chen-Jui Huang

20200099	3C-02	Authentication & Blockchain 3	18-Feb-20	Forensic Artifacts of Network Traffic on WeChat Calls	Da-Yu Kao, Ting-Chi Wang, Fu-Ching Tsai
20200101	3C-03	Authentication & Blockchain 3	18-Feb-20	Performance of Packet Analysis between Observer and WireShark	HyunHo Kim, HoonJae Lee, Hyotaek Lim
20200103	4A-01	Network Management	18-Feb-20	Mobile Traffic Assessment for 4G Network: Virtual Sampled Region Approach	Kyung-yul Cheon***, Hyeyeon Kwon*, Igor Kim*, Seungkeun Park*, Jun Kyun Choi**
20200105	1D-03	Industry 4.0, AI, Big Data 1	17-Feb-20	EyeNet: An Improved Eye States Classification System using Convolutional Neural Network	Md. Moklesur Rahman*, Md. Shafiqul Islam*, Mir Kanon Ara Jannat*, Md. Hafizur Rahman**, Md. Arifuzzaman***, Roberto Sassi****, and Md Aktaruzzaman**
20200107	1D-04	Industry 4.0, AI, Big Data 1	17-Feb-20	Learning Believable Player Movement Patterns from Human Data in a Soccer Game	Victor Khaustov, Maxim Mozgovoy
20200109	2C-01	Authentication & Blockchain 2	17-Feb-20	Design and Implementation of the Digital Education Transaction Subject Two-factor Identity Authentication System Based on Blockchain	ZHAO Gang, DI Bingbing, HE Hui
20200111	4C-02	IPTV, Internet Telephony	18-Feb-20	Tool Mark Identification of Skype Traffic	Da-Yu Kao, Fang-Yu Lu, Fuching Tsai
20200113	3C-01	Authentication & Blockchain 3	18-Feb-20	Hacking Tool Identification in Penetration Testing	Da-Yu Kao, Yun-Ya Chen, Fuching Tsai
20200121	6B-03	Web Service & Future Web	19-Feb-20	Service-aware Based Virtual Network Functions Deployment Scheme in Edge Computing	Shujun Han***, Jun Li***, Qian Dong*****, Yuxiang Ma****, Liujiang Song***
20200123	2D-01	Industry 4.0, AI, Big Data 2	17-Feb-20	Evasion Attack in Show and Tell Model	Dongseop Lee, Hyunjin Kim, Jaecheol Ryou

20200131	6B-04	Web Service & Future Web	19-Feb-20	Proposal for a solution to improve access to mathematics and philosophy education in Senegal thanks to SDN and IPTV	Samba DIOUF*, Kéba GUEYE*, Samuel OUYA*, Gervais MENDY*
20200133	5D-03	Process mining & e-Service 1	18-Feb-20	Exponential Random Graph Modeling of Co-Offender Drug Crimes	Fu-Ching Tsai*, Ming-Chun Hsu*, Da-Yu Kao*
20200139	5D-05	Process mining & e-Service 1	18-Feb-20	MF-GARF: Hybridizing Multiple Filters and GA Wrapper for Feature Selection of Microarray Cancer Datasets	Pakizah Saqib*, Usman Qamar*, Reda Ayesha Khan*, Andleeb Aslam*
20200141	2D-02	Industry 4.0, AI, Big Data 2	17-Feb-20	NMT Enhancement based on Knowledge Graph Mining with Pre-trained Language Model	Hao Yang, Ying Qin, Yao Deng, Minghan Wang
20200143	6D-01	Process mining & e-Service 2	19-Feb-20	Towards the use of a contact center for the socialization and capacity reinforcement of learners of African digital universities	Khalifa SYLLA*, Ndeye Masssata NDIAYE*, Samuel OUYA**,Gervais MENDY**
20200145	2B-04	Smart City, IoT & ERP 2	17-Feb-20	Day-Ahead Electricity Market State-Space Model and Its Power Production, Demand and Price Forecasting Algorithm Using H-infinity Filter	Md Masud Rana* and Ahmed Abdelhad**
20200151	4B-03	System, Software, Work Method 1	18-Feb-20	Optimal Image Watermark Technique Using Singular Value Decomposition with PCA	Md Masud Rana*, Al Mohaiminul Alam Mehedie** and Ahmed Abdelhadi***
20200153	6A-04	Ubiquitous & Sensor Network	19-Feb-20	Design and Analysis of Effective Vivaldi Antennas for Brain Tumor Detections: Ku Frequency Band	Md Masud Rana*, Reshma Khanom**, Md Mostafizur Rahman** and Ahmed Abdelhadi****
20200155	1C-01	Authentication & Blockchain 1	17-Feb-20	Diseases Detection from Electroencephalogram Signals Using Support Vector Machine	Md Masud Rana*, Md Walid Hasan** and Ahmed Abdelhadi****
20200157	6A-03	Ubiquitous & Sensor Network	19-Feb-20	Position and Velocity Estimations of 2D-Moving Object Using Kalman Filter	Md Masud Rana*, Nazia Halim**, Md Mostafizur Rahamna**, and Ahmed Abdelhadi***

20200159	3C-04	Authentication & Blockchain 3	18-Feb-20	Variable Step Size-Least Mean Squared Algorithm for ECG Signal Denoising Considering Baseline Wander Noise and Cyber Attacks	Md Masud Rana*, Tamanna Akter**, and Ahmed Abdelhadi***
20200161	6D-05	Process mining & e-Service 2	19-Feb-20	Improving K-Mean Method by Finding Initial Centroid Points	Andleeb Aslam, Usman Qamar, Reda Khan, Pakizah Saqib
20200164	1C-02	Authentication & Blockchain 1	17-Feb-20	Medical Image Sharing System using Hyperledger Fabric Blockchain	Jinbeom Seo, Youngbok Cho
20200166	2D-03	Industry 4.0, AI, Big Data 2	17-Feb-20	Selection and Optimization Model of Key Performance Indicators	Nyamsuren Purevsuren, Dashdorj Zolzaya, Tamir Khujuu, Erdenekhuu Norinpel
20200172	1A-04	Wireless Communication 1	17-Feb-20	Low Complexity Equalization Method for ZP-OFDM under Highly Mobile Environments	Saha Tanangsanakool*, Pongsathorn Reangsuntea**, Kazuo Mori**, Pisit Boonsrimuang*
20200192	6E-04	e-Government Workshop	19-Feb-20	Dynamic Weighted Hybrid Recommender Systems	Hong-Quan Do*, Tuan-Hiep Le**, Byeongnam Yoon***
20200194	2B-02	Smart City, IoT & ERP 2	17-Feb-20	Automated smart box to alleviate unfair means in public examination in the context of Bangladesh	Nawsheen Promy, Tashfiq Rahman, Sadman Islam, Saqlain Mahmud
20200198	4B-05	System, Software, Work Method 1	18-Feb-20	Implementation of SDR-based 5G NR Cell Search Equipment	Igor Kim, Jungsun Um, Seungkeun Park
20200200	2D-05	Industry 4.0, AI, Big Data 2	17-Feb-20	A Study on the Composition of Image-Based Ship type/class Identification System	Jiwon Lee, Do-Won Nam, JungSoo Lee, Sungwon Moon, Arum Oh, and WonYoung Yoo
20200204	2C-03	Authentication & Blockchain 2	17-Feb-20	Randomly Elected Blockchain System based on Grouping Verifiers for Efficiency and Security	DanaYang*, Sol Jeon*, Inshil Doh*, Kijoon Chae*

20200208	1A-05	Wireless Communication 1	17-Feb-20	Primary User Transmit Mode Classification Based Spectrum Sensing in Cellular Cognitive Radio Network	Xin Wang, Tingqiu Yan, Narayan Nath, Bin Shen
20200210	2D-04	Industry 4.0, AI, Big Data 2	17-Feb-20	Detection of cancerous tissue in histopathological images using Dual-Channel Residual Convolutional Neural Networks (DCRCNN)	Sabyasachi Chakraborty*, Satyabrata Aich*, Avinash Kumar**, Sobhangi Sarkar**, Jong-Seong Sim*, Hee-Cheol Kim*
20200212	4A-02	Network Management	18-Feb-20	Optimization of Healthcare Network for improved service delivery	Aseer Ahmad Ansari*, Sabyasachi Chakraborty**, Satyabrata Aich**, Beom Su Kim**, Hee-Cheol Kim**
20200214	3D-01	Industry 4.0, AI, Big Data 3	18-Feb-20	Vision-based attitude estimation for spacecraft docking operation through deep learning algorithm	Thaweerath Phisannupawong*, Patcharin Kamsing*, Peerapong Torteeka**, Soemsak Yooyen*
20200216	6B-01	Web Service & Future Web	19-Feb-20	Cyber security in Research and Academics due to Social Media	Deepanjali Mishra*, Chen Hong**, Lee Hui Kueh***, Ahmed Al-Absi**** and Mangal Sain*****
20200218	5B-01	System, Software, Work Method 2	18-Feb-20	Inspecting Distortion in the Power Amplifiers with the aid of Neural Networks	Sercan Aygu***, Lida Kouhalvandi*, Ece Olcay Gunes*, Serdar Ozoguz*
20200221	1A-06	Wireless Communication 1	17-Feb-20	Connectivity of Wireless Multi-hop Stochastic Networks under the Security Constraints in Rayleigh Fading Environment	Le The Dung*, Hoa T.K. Tran**, Seong-Gon Choi*
20200223	6D-02	Process mining & e-Service 2	19-Feb-20	The impact of using TVWS in the field of health in countries in conflict : case of Central African Republic	Edgard NDASSIMBA, Ghislain Mervyl KOSSINGOU, Nadège Gladys NDASSIMBA, Kéba GUEYE, Samuel OUYA
20200225	6D-03	Process mining & e-Service 2	19-Feb-20	The impact of zeroconf on the education system of the countries in conflict: the case of the Central African Republic	Nadège Gladys NDASSIMBA, Ghislain Mervyl Kossingou, Edgard NDASSIMBA, Kéba GUEYE, Samuel OUYA

20200227	4C-05	IPTV, Internet Telephony	18-Feb-20	Influence of quality service in IP/MPLS network load with IPTV and VoD services	Mamadou Alpha Barry*, James K. Tamgno*, Claude Lishou**
20200233	1C-03	Authentication & Blockchain 1	17-Feb-20	A Secure Four-factor Attendance System for Smartphone Device	Tinthid Jaikla*, Sasakorn Pichetjamroen*, Chalee Vorakulpipat*, Achara Pichetjamroen**
20200239	2B-05	Smart City, IoT & ERP 2	17-Feb-20	Highway Traffic Flow Status Recognition Method Based on Deep Neural Network	Jun Guo, Xiaoyu Zhang, Zhiyuan Gao, Ligeng Wang, Wenyu Li, Hangmin Chi
20200241	5A-03	Optical Network	18-Feb-20	Dimension Dependent Silicon Photonics Rib Waveguide Characterisation	A.T.C.Chen, M. Rakib Uddin, F. K. Law and Nurazmina Lingas
20200243	2A-01	Wireless Communication 2	17-Feb-20	Uplink Performance Analysis of Cell-Free MIMO with Low-Resolution ADCs and ZF Receiver	Xuebing Bai, Meng Zhou, Xu Qiao, Yao Zhang, and Longxiang Yang*
20200245	2C-04	Authentication & Blockchain 2	17-Feb-20	Hybrid Blockchain-based Unification ID in Smart Environment	Nakhoon Choi, Heeyoul Kim
20200247	5A-04	Optical Network	18-Feb-20	An enhanced DWBA algorithm in WDM/TDM PON networks	Tserenlkham Batdorj, Ganbold Shagdar, Buyankhishig Zundui
20200249	6A-05	Ubiquitous & Sensor Network	19-Feb-20	Energy Efficiency Enhancement in 5G Heterogeneous Cellular Networks Using System Throughput Based Sleep Control Scheme	Arif DATAESATU*, Pornpawit BOONSRIMUANG**, Kazuo MORI***, and Pisit BOONSRIMUANG*
20200251	3D-02	Industry 4.0, AI, Big Data 3	18-Feb-20	Aesthetic Evaluation of Food Plate Images using Deep Learning	Veranika Mikhailava, Evgeny Pyshkin, Vitaly Klyuev

20200257	3D-03	Industry 4.0, AI, Big Data 3	18-Feb-20	Aircraft trajectory recognition via statistical analysis clustering for Suvarnabhumi International Airport	Patcharin Kamsing*, Peerapong Torteeka**, Soemsak Yooyen*, Siriporn Yenpiem***, Daniel Delahaye****, Philippe Notry****, Thaweerath Phisannupawongy*, Sittiporn Channumsin****
20200259	2B-03	Smart City, IoT & ERP 2	17-Feb-20	Study on Service model of the Agriculture Information based Convergence Service	Heechang chung*, Dongil kim*, Kyoung-Sook Jung**, Byeong-Beom Kang**, Sokpal Cho***, Soonghee lee****
20200263	4D-05	Industry 4.0, AI, Big Data 3	18-Feb-20	Industrial General Reinforcement Learning Control Framework System based on Intelligent Edge	Kwihoon Kim*, Yong-Geun Hong*
20200265	3D-04	Industry 4.0, AI, Big Data 3	18-Feb-20	Parkinson's Disease Detection from Spiral and Wave Drawings using Convolutional Neural Networks: A Multistage Classifier Approach	Sabyasachi Chakraborty*, Satyabrata Aich*, Jong-Seong-Sim*, Eunyoung Han**, Jinse Park**, Hee-Cheol Kim*
20200267	5D-04	Process mining & e-Service 1	18-Feb-20	A Novel Framework For Sentiment Analysis Using Deep Learning	Andleeb Aslam, Usman Qamar, Pakizah Saqib, Reda Ayasha, Aiman Qadeer
20200273	3D-05	Industry 4.0, AI, Big Data 3	18-Feb-20	Traffic Prediction of Communication Network based on Spatial-Temporal Information	Yue MA*, Bo PENG*, Mingjun MA**, Yifei WANG*, Ding XIAO**
20200276	2A-02	Wireless Communication 2	17-Feb-20	BER Reduction for PSK-Based MM-OFDM-BIM with Two-Level Symbol Power	Li Cho, Meng-Fan Chuang, Sheng-Hsiang Fu, and Chau-Yun Hsu
20200278	6D-04	Process mining & e-Service 2	19-Feb-20	Real-time Molecular Analysis Methods Based on Cloud Computing	Maxim Zakharov*, Ammar Muthanna**, Ruslan Kirichek***, Andrey Koucheryavy*
20200280	3B-01	Smart City, IoT & ERP 3	18-Feb-20	Design and implementation of real-time information sharing system of IoT using distributed social network	Chang-Su LEE*, Dong-Hee JUNG*

20200282	5B-02	System, Software, Work Method 2	18-Feb-20	A Study for Image Expression of Emergency Alert	Yoonkwan Byun*, Hyunji Lee*, Sek-Jin Jang*, Seong Jong Choi*, Seung-Hee Oh**, Yong-Tae Lee**
20200284	3C-05	Authentication & Blockchain 3	18-Feb-20	Blockchain based Removable Storage Device Log Management System	Gyuseong Lee*, Minsung Son*, Nakhoon Choi*, Seongho Hong*, Heeyoul Kim*
20200286	5C-01	Smart Service & Cloud Computing	18-Feb-20	Interface Design between Mobile Communication Service Provider and National Alert Originator in Korea	Yoonkwan Byun*, Hyunji Lee*, Sek-Jin Jang*, Seong Jong Choi*, Seung-Hee Oh**, Yong-Tae Lee**
20200290	4D-01	Industry 4.0, AI, Big Data 4	18-Feb-20	TB-DNN: A Thin Binarized Deep Neural Network with High Accuracy	Jie Wang*, Xi Jin*, Wei Wu*
20200292	6A-02	Ubiquitous & Sensor Network	19-Feb-20	Disconnected operation method for recovering bioinformation in a digital patch system	Moon-Il Joo *, Jong-Seong Sim *, Tae-Gyu LEE**
20200298	3B-04	Smart City, IoT & ERP 3	18-Feb-20	Prevention of Accident near Junction Area Using Smart Traffic Light Scheduling	Hamayoun Shahwani*, Muhammad Umar Chaudhry**, Jawad Yousaf†, and Nokhaiz Tariz Khan††
20200300	2A-03	Wireless Communication 2	17-Feb-20	Power Allocation for Multi-Relay AF Cooperative System with Maximum System Capacity	Geng ZHANG*, Yanan WANG*, Yang WANG*, Huixia DING*, Weidong WANG***, Zhiquan BAI**
20200302	2A-04	Wireless Communication 2	17-Feb-20	Spatial Modulation Based Color-Intensity Shift Keying in VLC System	Xiang GAO*, Xiaopeng YAN*, Zhiquan BAI**
20200304	4A-04	Network Management	18-Feb-20	The Research of Scheduling Algorithm Based on Time-Triggered Ethernet	Lili ZHAO*, Ming NI*, Xiaodan CUI*, Weidong WANG**, Jinfeng ZHANG*
20200308	4D-04	Industry 4.0, AI, Big Data 4	18-Feb-20	IoT and Modern Marketing: Its Social Implications	Anooksha Yogesh Rathod*, Shubham Pandya*, Nishant Doshi*

20200310	2A-05	Wireless Communication 2	17-Feb-20	A Collaborative Simulation Architecture for Influence Evaluation of Communication Network Faults on Power Grid System	Yanan WANG*, Geng ZHANG*, Yang WANG*, Huixia DING*, Weidong WANG**, Siqi LI***
20200312	3A-03	Wireless Communication 3	18-Feb-20	Efficient Scheduling for VANET Considering Renewable Energy	Atef H. Bondok*,** 2, Wonseok Lee*, and Taejoon Kim*
20200314	4D-02	Industry 4.0, AI, Big Data 4	18-Feb-20	The Adoption of Artificial Intelligence for Financial Investment Service	Wasinee Noonpakdee
20200322	6C-05	Information & Network Security	19-Feb-20	Proposing a Privacy Protection Model in Case of Civilian Drone	Matasem Saleh, NZ Jhanjhi, Azween Abdullah, Fatima-tuz-Zahra
20200324	3A-05	Wireless Communication 3	18-Feb-20	Estimation of Convolutional Interleaver in a Non-cooperative Context	Yoonji Kim*, Geunbae Kim*, Dongweon Yoon*
20200326	1C-04	Authentication & Blockchain 1	17-Feb-20	Image Color Watermarking within Past Seven Years	Alireza Ghobadi*, Hamidreza Alvandi*
20200328	6E-01	e-Government Workshop	19-Feb-20	Automating the Public Administration in the Digital Age	Eun Sun Chae*, Dong Seok Kang*, Jong Yik Si*, Sangoh Yun**, Pilwoon Jung***, Soyoung Park****, Haewon Lee*****, Kyoungjin Choi*****
20200332	5C-02	Smart Service & Cloud Computing	18-Feb-20	A Dynamical Network Fault Setting approach for Joint Power Grid Simulation	Jihao ZHANG*, Huibo LI*, Dan SHAN**,*, Duk Kyung KIM****, Xiaopeng YAN*, Peng GONG*
20200340	6E-02	e-Government Workshop	19-Feb-20	Digital Transformation through e-Government Innovation in Uzbekistan	Sang-Chul SHIN*, Jin-Won Ho*, Vyacheslav Yuryevich Pak**
20200342	5B-06	System, Software, Work Method 2	18-Feb-20	Evaluating the Effectiveness of Notations for Designing Security Aspects	Siraj Un Muneer, Muhammad Nadeem, Bakhtiar

20200344	3A-01	Wireless Communication 3	18-Feb-20	Parametric Analysis of FBMC/OQAM under SUI Fading Channel Models	Amna Javed Tiwana, Muhammad Zeeshan
20200346	3A-02	Wireless Communication 3	18-Feb-20	Multiband Multi-rate Narrowband Software Defined Radio waveform based on CPM	Azka Zaheer, Muhammad Zeeshan, Muhammad V
20200350	5B-05	System, Software, Work Method 2	18-Feb-20	Research on A Reliable Method of Receiving Data Based on Zero-Copy Non-Drop Packet Network Card	Yujian Gong*, Wei Xi**, Hui Han*, Jiawei Yan*
20200354	6C-03	Information & Network Security	19-Feb-20	Using Federated Learning on Malware Classification	Kuang Yao Lin*, Wei Ren Huang*
20200356	4D-03	Industry 4.0, AI, Big Data 4	18-Feb-20	Electricity Theft Detection Using Deep Bidirectional Recurrent Neural Network	Zhongtao CHEN*, De MENG*, Yufan ZHANG*
20200360	6C-04	Information & Network Security	19-Feb-20	Malware Family Classification using Active Learning by Learning	Chin-Wei Chen*, Ching-Hung Su*, Kun-Wei Lee
20200364	5C-03	Smart Service & Cloud Computing	18-Feb-20	Implementation of web application based on Augmentative and Alternative Communication (AAC) method for People with Hearing and Speech Impairment	Khasanboy Kodirov*, Khasanboy Kodirov*, You
20200366	6B-05	Web Service & Future Web	19-Feb-20	Computationally Efficient Approximation Algorithm of Dominance Based Rough Set Approach	Aleena Ahmad*, Usman Qamar*, Summair Raza*
20200368	4B-04	System, Software, Work Method 1	18-Feb-20	A Underwater Image Enhanced Algorithm combined MSR and Channel Energy	Yanying Yang, Xianwei Xu
20200370	6E-03	e-Government Workshop	19-Feb-20	Represent The Discovered Proportional Information Control Net Using Extended XPDL Format	Dinh-Lam Pham, Hyun Ahn, Kyoung-Sook Kim &
20200372	4A-03	Network Management	18-Feb-20	Identification of IoT Network Type Based on The Response Delay Property	Rui Teng, Kazuto Yano, and Yoshinori Suzuki

20200374	4C-03	IPTV, Internet Telephony	18-Feb-20	A Proposed Audiovisual Quality Assessment Model Associated with Multiplayer Online Battle Arena Game: A Pilot Study with ROV	Therdpong Daengsi*, Phisit Pornpongtechavanich**, Pongpisit Wuttidittachotti***
20200378	4C-06	IPTV, Internet Telephony	18-Feb-20	Modeling and Simulation of Multicast IPTV and VoD Streams for a Multiservice IP Network	Mamadou Alpha Barry*, James K. Tamgno*, Claude Lishou**, Ismaël Habou DERE*
20200380	3B-02	Smart City, IoT & ERP 3	18-Feb-20	Positioning Methods Based on Flying Network for Emergencies	Ruslan Kirichek***, Truong Duy Dinh*, Van Dai Pham*, Maxim Zakharov*, Duc Tran Le***, Andrey Koucheryavy*
20200382	6E-05	e-Government Workshop	19-Feb-20	Process and Knowledge Mining, Predicting and Analyzing Frameworks	Seong-Hun Ham, Dihn-Lam Pham, Kyoung-Sook
20200385	3B-03	Smart City, IoT & ERP 3	18-Feb-20	Analytic Model of a Mesh Topology based on LoRa Technology	Ruslan Kirichek***, Vladimir Vishnevsky**, Van Dai Pham*, Andrey Koucheryavy*
20200389	5B-03	System, Software, Work Method 2	18-Feb-20	Preliminary Study of the Voice-controlled Electric Heat Radiator	RuiHong Xu*, ZiDe She*, JinPeng Chen*, Bing-Yuh Lu*, RuiLong Huang*, XiWu Li*
20200391	5B-04	System, Software, Work Method 2	18-Feb-20	Preliminary Study on Production of Coarse and Fine Crackles in Respiration Using a Model of Communication Theory	Bing-Yuh Lu*,**, Mei Liu*, Meng-Lun Hsueh***, PaoAn Lin*, Huey-Dong Wu****

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