

December 16th, 2020		
Time (Korea Standard Time)	Online Presentation	
14:00-14:15	Conference Opening	
	Welcome Message from our General Chair Dr. Hyuncheol Kim, Namseoul University, South Korea	
	Welcome Message from our General Chair Dr. Suhyun Park, Dongseo University, Republic of Korea	
<b>[ Session 1 ] Data Mining and Artificial Intelligence</b>		
14:15-15:15	<b>87245</b>	Condition Monitoring for Induction Motor Overload using Microphone
	<i>Nguyen Cong-Phuong</i>	
	<b>31096</b>	Deep Learning Approach for Static Analysis of Sequential Features for Malware Detection Using 1D CNN and Bi-directional LSTM
	<i>Seung-Pil Coleman</i>	
	<b>95376</b>	Feature Selection Based on a Shallow Convolutional Neural Network and Saliency Maps on Metagenomic Data
	<i>Thanh Hai Nguyen</i>	
<b>Session Chair:</b>		
15:15-15:20	Break time	
<b>[ Session 2 ] Web Technology &amp; Other related Topics</b>		
15:20-16:20	<b>35671</b>	Proposal of situation estimation system using AI speaker
	<i>KITASAKO Yuki</i>	
	<b>31509</b>	Construction of GAN dataset to generate images similar to copyrighted images
	<i>Yuta Chikazawa</i>	
	<b>34559</b>	Evaluation of NoSQL Databases Features and Capabilities for Smart City Data Lake Management
	<i>NURHADI HADI</i>	
<b>Session Chair:</b>		
16:20-16:25	Break time	
<b>[ Session 3 ] Internet of Things</b>		
16:25-17:45	<b>12955</b>	COVID-19 's Telemedicine Platform
	<i>Gyöngyi Kocsisné Dr. Szilágyi</i>	
	<b>30539</b>	RPL-based Adaptive Multi-metric Routing Mechanism
	<i>Hung-Chi Chu</i>	
	<b>51168</b>	Optimizing IoT networks through combined estimations of resource allocation and computation offloading
	<i>Saibal Ghosh</i>	
	<b>20007</b>	P3CIS – Proactive Personalized Primary Care Information System
<i>Lakshmi Narasimhan</i>		
<b>Session Chair:</b>		
<b>END</b>		

December 17th, 2020		
Time (Korea Standard Time)	Online Presentation	
<b>[ Session 4 ] Software Engineering</b>		
14:00-15:20	<b>80847</b>	On Automatic Software Architecture Reconstruction of Microservice Applications
	<i>Andrew Walker</i>	
	<b>53235</b>	Determination of Muscle Power Using RMS of Electromyography for Stroke Survivors
	<i>Choon Chen Lim</i>	
	<b>28762</b>	A Comprehensive Enterprise System Metamodel for Quality Assurance
	<i>Jan Svacina</i>	
	<b>33277</b>	Knowledge Incorporation In Requirements Traceability Recovery
<i>Adnane Ghannem</i>		
<b>Session Chair</b>		
15:20-15:25	Break time	
<b>[ Session 5 ] Data Mining and Artificial Intelligence</b>		
15:25-16:25	<b>84120</b>	Image-Based Prediction of Respiratory Diseases including COVID-19 using Convolutional Neural Networks
	<i>Yufang Jin</i>	
	<b>24086</b>	A Prototype Implementation of NNEF Execution Framework with CUDA Acceleration
	<i>Nakhoon Baek</i>	
	<b>99364</b>	Analysing the Adversarial Landscape of Binary Stochastic Networks
<i>Yi Xiang Marcus Tan</i>		
<b>Session Chair:</b>		
16:25-16:30	Break time	
<b>[ Session 6 ] Multimedia and Visualization &amp; Middleware and Operating Systems &amp; Web Technology</b>		
16:30-17:30	<b>37065</b>	Data-Driven Similarity Measures for Matrimonial Application
	<i>Chian-Wen Too</i>	
	<b>76414</b>	Image Background Subtraction and Partial Stylization based on Style Representation of Convolutional Neural Networks
	<i>Suk-Ho Lee</i>	
	<b>58321</b>	Multi-source log clustering in distributed systems
<i>Jackson Raffety</i>		
<b>Session Chair:</b>		
17:30-17:35	Break time	

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Time (Korea Standard Time)	Online Presentation	
<b>[ Session 7 ] Internet of Things</b>		
17:35-18:35	<b>59174</b>	NFC Label Tagging Smartphone Application For The Blind And Visually Impaired in IoT
	<i>Yean Li Ho</i>	
	<b>75653</b>	A decision support framework to enhance performance in resource constrained devices
	<i>Saibal Ghosh</i>	
	<b>34960</b>	Coordinating Autonomous Drones for Agricultural and Entomological Safety (CADAES)
	<i>Lakshmi Narasimhan</i>	
	<b>Session Chair:</b>	
<b>END</b>		

December 18th, 2020		
Time (Korea Standard Time)	Online Presentation	
<b>[ Session 8 ] Software Engineering</b>		
14:00-15:00	<b>32035</b>	Automated Microservice Code-Smell Detection
	<i>Dipta Das</i>	
	<b>83300</b>	Pyclone: A Python Code Clone Test Bank Generator
	<i>Schaeffer Duncan</i>	
	<b>84737</b>	On Log Analysis and Stack Trace Use to Improve Program Slicing
	<i>Vincent Bushong</i>	
<b>Session Chair</b>		
15:00-15:05	Break time	
<b>[ Session 9 ] Security and Privacy</b>		
15:05-16:45	<b>91588</b>	Deterring_SLCAs_by_Establishment_of_ACSC_based_on_IPP_Young
	<i>Shin Young Yung</i>	
	<b>47573</b>	Safe Internet: An Edutainment Tool for Teenagers
	<i>Han-Foon Neo</i>	
	<b>50022</b>	A Study on Classification and Integration of Research on both AI and Security in the IoT Era
	<i>Ryoichi Sasaki</i>	
	<b>72523</b>	Research on life cycle model of data for handling Big Data-based security incident
	<i>MinSu Kim</i>	
15:05-16:45	<b>69504</b>	Predictive Analytics for Security of Blockchain and Peer-to-Peer Payment Solutions in the Financial Services
	<i>Svetlana Boudko</i>	
	<b>Session Chair</b>	
16:45-16:50	Break time	
<b>[ Session 10 ] Networks and Information Systems</b>		
16:50-17:30	<b>64531</b>	Exploring the Effects of Network Topology Layers on Quality of Service Mechanisms in the Context of Software-Defined Networking
	<i>Josiah Eleazar Regencia</i>	
	<b>34812</b>	Experience and prospects of tele-health technologies
	<i>Anastasiia Goi</i>	
<b>Session Chair:</b>		

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Time (Korea Standard Time)	Online Presentation				
<b>[ Session 11 ] Data Mining and Artificial Intelligence</b>					
17:30-18:30	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;"><b>93266</b></td> <td>A Word + Character Embedding based Relation Extraction Frame for Domain Ontology of Natural Resources and Environment</td> </tr> <tr> <td colspan="2" style="text-align: center;"><i>Ngoc-Vu Nguyen</i></td> </tr> </table>	<b>93266</b>	A Word + Character Embedding based Relation Extraction Frame for Domain Ontology of Natural Resources and Environment	<i>Ngoc-Vu Nguyen</i>	
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<b>Session Chair:</b>					
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