

Final Program

21th ACIS International Semi-Virtual Winter Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing (SNPD 2021-Winter)



**University of Economics, Ho Chi Minh City, Vietnam
January 28-30, 2021**

Conference Organizing Committee Members

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Program at a Glance

Thursday, January 28, 2021

Time	Activity	Location
8:00 – 5:00	Registration	Foyer
10:30 – 10:45	Opening Ceremony	Auditorium (=>Zoom Meeting, https://ssu-ac-kr.zoom.us/j/81483541112)
10:45 – 11:00	Coffee Break	Foyer
11:00 – 12:00	Keynote 1	Auditorium (=>Zoom Meeting, https://ssu-ac-kr.zoom.us/j/81483541112)
12:00 – 13:00	Lunch on your own	
13:00 – 14:00	Keynote 2 (Cancelled)	Auditorium
14:00 – 15:40	Regular Session A (5) Special Session 3 (5) Special Session 4 (5)	Room A(=>Zoom Meeting, https://ssu-ac-kr.zoom.us/j/81483541112) Room B(=>Zoom Meeting, https://ssu-ac-kr.zoom.us/j/81483541112) Room C(=>=>Zoom Meeting, https://ajou-ac-kr.zoom.us/j/88497726766?pwd=Vkc3d2xvc29vSytaZkc5ZFY4TzREQT09)
15:40 – 15:50	Coffee Break	Foyer

15:50 – 18:30	Regular Session A (8) Special Session 3 (8)	Room A(=>Zoom Meeting, https://ssu-ac-kr.zoom.us/j/81483541112) Room B(=>Zoom Meeting, https://ssu-ac-kr.zoom.us/j/81483541112)
15:50 – 18:50	Special Session 4 (9)	Room C(=>=>Zoom Meeting, https://ajou-ac-kr.zoom.us/j/88497726766?pwd=Vkc3d2xvc29vSytaZkc5ZFY4TzREQT09)
19:00 – 21:00	Welcome Reception	Foyer

Friday, January 29, 2021

Time	Activity	Location
9:00 – 5:00	Registration	Foyer
9:20 – 11:00	Special Session 1A (5) Special Session 1B (5) Special Session 2A (5) Special Session 2B (5)	Room A(=>Zoom Meeting, https://zoom.us/j/93560726115?pwd=T096byswaS9Ca0lXbdlLzdQdDN4dz09) Room B(=>Zoom Meeting, https://ssu-ac-kr.zoom.us/j/84014491181?pwd=V3JvSGZEQjdWN1ZybWoyWWtzbkZ1Zz09) Room C(=>Zoom Meeting, https://us02web.zoom.us/j/82231382537?pwd=T2FDODFDcUILeTBtRVUyTEp4STdvZz09) Room D(=>Zoom Meeting, https://us02web.zoom.us/j/82231382537?pwd=T2FDODFDcUILeTBtRVUyTEp4STdvZz09)
11:00 – 11:15	Coffee Break	Foyer
	Special Session 1A (3) Special Session 1B (3)	Room A(=>Zoom Meeting, https://zoom.us/j/93560)

11:15 – 12:15	Special Session 2A (3) Special Session 2B (3)	726115?pwd=T096byswaS9Ca0lXbldlLzdQdD N4dz09 Room B(=>Zoom Meeting, https://ssu-ac-kr.zoom.us/j/84014491181?pwd=V3JvSGZEQjdWN1ZybWoyWWtzbkZ1Zz09) Room C(=>Zoom Meeting, https://us02web.zoom.us/j/82231382537?pwd=T2FDODFDcUILeTBtRVUyTEp4STdvZz09) Room D(=>Zoom Meeting, https://us02web.zoom.us/j/82231382537?pwd=T2FDODFDcUILeTBtRVUyTEp4STdvZz09)
12:15 – 13:00	Lunch on your own	
13:00 – 14:20	Special Session 1A (4) Special Session 1B (4) Special Session 2A (4) Special Session 2B (4)	Room A(=>Zoom Meeting, https://zoom.us/j/93560 726115?pwd=T096byswaS9Ca0lXbldlLzdQdD N4dz09 Room B(=>Zoom Meeting, https://ssu-ac-kr.zoom.us/j/84014491181?pwd=V3JvSGZEQjdWN1ZybWoyWWtzbkZ1Zz09) Room C(=>Zoom Meeting, https://us02web.zoom.us/j/82231382537?pwd=T2FDODFDcUILeTBtRVUyTEp4STdvZz09) Room D(=>Zoom Meeting, https://us02web.zoom.us/j/82231382537?pwd=T2FDODFDcUILeTBtRVUyTEp4STdvZz09)
14:20 – 14:30	Coffee Break	Foyer
14:30 – 17:30 14:30 – 16:30	Special Session 1A (9) Special Session 1B (9) Special Session 2A (6)	Room A(=>Zoom Meeting, https://zoom.us/j/93560 726115?pwd=T096byswaS9Ca0lXbldlLzdQdD N4dz09 Room B(=>Zoom Meeting, https://ssu-ac-kr.zoom.us/j/84014491181?pwd=V3JvSGZEQjdWN1ZybWoyWWtzbkZ1Zz09) Room C(=>Zoom Meeting, https://us02web.zoom.us/j/82231382537?pwd=T2FDODFDcUILeTBtRVUyTEp4STdvZz09)

18:00 – 20:00	Award Presentation Dinner Banquet	Foyer

Saturday, January 30, 2021

Time	Activity	Location
9:00 – 5:00	Registration	Foyer
9:20 – 11:00	Special Session 5 (5)	Room A(=>Zoom Meeting, https://ssu-ac-kr.zoom.us/j/81483541112)
11:00 – 11:15	Coffee Break	Foyer
11:15 – 12:15	Special Session 5 (3)	Room A(=>Zoom Meeting, https://ssu-ac-kr.zoom.us/j/81483541112)
12:15 – 13:00	Lunch on your own	
13:00 – 14:20	Special Session 6 (4)	Room A(=>Zoom Meeting, https://ssu-ac-kr.zoom.us/j/81483541112)
14:20 – 14:35	Coffee Break	Foyer
14:35 – 15:00	Closing Remark (Program Chair)	Room A(=>Zoom Meeting, https://ssu-ac-kr.zoom.us/j/81483541112)

Keynote 1

Integrating Evolutionary Software Development in Software Engineering Course Projects

Simon Xu, Ph.D.

Professor and Director, School of Computer Science and Technology

Algoma University, Canada

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Abstract

Evolutionary Software Development (ESD) has been widely used in industry. However, most of higher education institutions have not yet fully integrated it into the software engineering courses, especially the course projects. In this talk, we will briefly introduce the evolutionary software development, and then discuss its impact on software engineering education. Case studies with increment change and other practices as the core requirement for the course projects will be presented, and case study results will be discussed to illustrate their merits. The challenges and issues with integrating the ESD into software engineering course projects will also be explored.

Biography

Dr. Simon Xu is the director and a professor in the School of Computer Science and Technology at Algoma University, Canada. He is also a guest professor of Wuhan University and the adjunct professor of China University of Mining and Technology, China. Dr. Xu received his Ph.D. degrees from Wayne State University, USA and University of Liege, Belgium. His research interests include software evolution, program comprehension, big data, and cognitive process during software development. Dr. Xu has published more than 90 articles in referred journals and conference proceedings and a few authored/co-authored books. He has also chaired seven IEEE international conferences and has been invited to give talks by IEEE international conferences. He is a senior member of IEEE and a member of ACM.

Keynote 2 (Cancelled)

Program in Detail

Thursday, January 28, 2021

8:00am - 5:00pm – Registration	Foyer
10:30am - 10:45am – Opening Ceremony	Auditorium
10:45am - 11:00am – Coffee Break	Foyer
11:00am - 12:00pm – Keynote 1	Auditorium
12:00pm - 1:00pm – Lunch on your own	
1:00pm - 2:00pm – Keynote 2	Auditorium
2:00pm - 3:40pm – Regular Session A Chair: Jong-Bae Kim (Soongsil University)	Room A

Text sentiment classification based on BP neural network
Wenchao Soong

Further Observation to Investigate Tendency of Obtaining Potential Appropriate Respondents to Questions at Q&A Sites with Expansion of Categories
Yuya Yokoyama, Teruhisa Hochin and Hiroki Nomiya

License Plate Detection Methods Based on OpenCV
Lin Xu, Wenqian Shang, Wei Huang and Weiguo Lin

A Security-UTAUT Framework for Evaluating Key Security Determinants in Smart City Adoption by the Australian City Councils
Srimannarayana Grandhi and Santoso Wibowo

Machine Learning-Based Classification of Apple Sweetness with Multispectral Sensor
Nhut-Thanh Tran, Quoc-Thang Phan, Chanh-Nghiem Nguyen and Masayuki Fukuzawa

2:00pm - 3:40pm – Special Session 3 Chair: Hoo-Ki Lee (Konyang University)	Room B
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A Novel Authenticity of Artwork System based on Blockchain
Seuyng-Wook Jung

Massive Personal Information Leakage Protect from database
Seuyng-Wook Jung

Technical Countermeasures through Analysis of Drone Communication Vulnerabilities
Won-Hyung Park and Hoo-ki Lee

The Next Generation Security Control Model for Cyber Threat Detection in the Internet of Things (IoT) Environment
Won-Hyung Park and Gwang-Hyun Ahn

A Study on the Analysis and Classification of Security Threats According to the Characteristics of Public Service Computer Network

Min-Su Kim

2:00pm - 3:40pm – Special Session 4

Room C

Chair: *Seaeul Kim (Soongsil University)*

Design and Implementation of Open Source Based on IoT & Robot Manipulator Arm Training Equipment
Sun-O Choi and Jong-Bae Kim

Design and Implementation of 3-Phase Home Plugin Gateway PLC Router System
Sun-O Choi and Jong-Bae Kim

Fall Detection Method Based on Pose Estimation Using GRU
Yoon-Kyu Kang, Hee-Yong Kang and Jong-Bae Kim

A Study of Fall Detection System Using Context Cognition Method
Yoon-Kyu Kang, Hee-Yong Kang and Jong-Bae Kim

A Study on Building of Lifelong Education Platform Based on Digital Literacy Education
Cheong-Jae Lee and Seong-Woo Choi

3:40pm - 3:50pm – Coffee Break

Foyer

3:50pm - 6:30pm – Regular Session A (8)

Room A

Chair: *Jong-Bae Kim (Soongsil University)*

A Deep Learning Approach for Human Face Sentiment Classification
Chetanpal Singh, Santoso Wibowo and Srimannarayana Grandhi

A Collaborative Filtering Model for Link Prediction of Fusion Knowledge Graph
Zaifu Yu, Wenqian Shang, Wei Huang and Weiguo Lin

BiLSTM-CRF with Compensation Method for Spatial Entity Recognition
Wang Chunhua, Shang Wenqian, Huang Wei and Lin Weiguo

A decentralized copyright protection, transaction and content distribution system based on Blockchain 3.0
Liming Liu, Wenqian Shang and Weiguo Lin

Machine learning based network intrusion detection for data streaming IoT applications
Ayemen Yahyaoui, Haithem Lakhdar, Takoua Abdellatif and Rabah Attia

Research and Implementation Of Image Recognition of Tea Based on Deep Learning
Mucong Gao, Minyong Shi and Chunfang Li

The Visualization of Cross-media Knowledge Graph of Tang and Song Poetry
Wenjuan Jiang, Chunfang Li and Changti Wu

Movie Data Visualization Based on WebGL
Min Li, Chunfang Li and Minyong Shi

3:50pm - 6:30pm – Special Session 3 (8)

Room B

Chair: *Hoo-Ki Lee (Konyang University)*

The Design of Industrial Security Tasks and Capabilities Required in Industrial Site
Min-Su Kim

Study of DIFA based Learning Data Generating Methodology for Malware Detection
Sung-Hwa Han

Study of Malicious Script Analysis Methodology via GBM
Sung-Hwa Han and Hoo-Ki Lee

Analysis of Data Transforming Technology for Malware Detection
Sung-Hwa Han

A study on improved authentication technique in cloud computing
Hwan-Seok Yang

A Study on Medical Device Security Status in Medical Convergence Industry
Hwan-Seok Yang

Stacked-Autoencoder based Anomaly detection with Industrial Control System
Do-Yeon Kim, Chan-Woong Hwang and Tae-Jin Lee

Research on Autoencoder Technology for Malware Feature Purification
Hong bi Kim and Tae-Jin Lee

3:50pm - 6:50pm – Special Session 4 (9)
Chair: *Seaeul Kim (Soongsil University)*

Room C

A Study on the Development of Digital Literature Diagnosis Tool for Teachers of Lifelong Education Institutions
Cheong-Jae Lee and Seong-Woo Choi

National Defense Cloud Strategy
Sun-O Choi and Jong-Bae Kim

Human Skeleton Key-points Using GRU
Yoon-Kyu Kang, Hee-Yong Kang and Jong-Bae Kim

SNI field blocking and Internet Censorship
Ji-Young Jung, Hee-Kyoung Shin, Min-Woo Park and Yong-Tae Shin

Cloud Computing Transformation Considering Adoption of Mixed Security
Ji-Young Jung, Hee-Kyoung Shin, Min-Woo Park and Yong-Tae Shin

Impact of SNS Behavior on Social Commerce Purchase Intention: Focusing on the mediating effect of social capital and the moderating effect of social media platform
Henry Ofori and Juyoung Kang

A Study on Security Enhancement Policy for Organizational Members based on Fear Appeal Theory
Hee-young Choi and Juyoung Kang

Analysis of CNN/ANNOY based Apparel Image Similarity
Jun-Ki Hong and Seun-Hoon Back

UAV Fall Prediction System using Big Data
Jun-Ki Hong and Yang-Kyoo Lee

7:00pm - 9:00pm – Welcome Reception

Foyer

Friday, January 29, 2021

9:00am - 5:00pm – Registration

Foyer

9:20am - 11:00am – Special Session 1A

Room A

Chair: Jong Woo Park (Soongsil University)

The Quality Improvement of Medical Tourism Education Service in Korea: Focusing on the Comparative Evaluation of Students and Experts

Ha-Rim Byun and Jong-Woo Park

A Study on the Structural Relationship between Social Capital, Dynamic Capability and Business Performance in the Supply Chain Environment

Yong-Muk Kim and Jong-Woo Park

A Study on the Effect of Educational Service Quality on Career Decision-making Self-efficacy

Myung-Kyum Kim, Jong Woo Park and Mi-Kyung Cho

The Effect of Perception of Environmental Uncertainty on the Organizational Agility and Business Performance in Small and medium-sized Manufacturing Firms

Yong-Sun Seo and Dong-Hyuk Jo

The Effect of Rapport-Building Behaviors on Customer Attitude and Customer Loyalty in Medical Service

Hye Soo Choi and Dong Hyuk Jo

9:20am - 11:00am – Special Session 1B

Room B

Chair: Donghyuk Jo (Soongsil University)

The Effects of Quality of Electronic Litigation System on Perceived Value and Reuse Intention

Hyeon-Cheol Kim and Dong Hyuk Jo

Analysis of Relative Importance on Electric Vehicle Conversion Intention

Chul-Hwan Kwon, Ha-Rim Byun

The Effects of Local Culture Experience on Revisit Intention

Min-Young Park, Yong-Muk Kim

The effect of e-service scape of accommodation reservation service on customer loyalty: Focused on Korea-China comparison

Sha Sha, Myung-Kyum Kim

The Effect of Buyer-Supplier Partnership on Transaction Continuance Intention in the Supply Chain

Yong-Sun Seo, Dong Hyuk Jo

9:20am - 11:00am – Special Session 2A

Room C

Chair: Jung-Jae Lee (Soongsil Cyber University)

Effect of Untact marketing of Empirical value on Consumer Satisfaction and Repurchase Intention: Based on Service Application

Jin-Hee Lee

Imagination into Reality Artificial Intelligence (AI) Marketing Changes

Jin-Hee Lee

Profile deviation analysis of global firms' working capital management in the automotive industry during economic crisis and recovery periods

Gun-Taek Oh and Dae-Soo Kim

Empirical analysis of the relationship among environmental hostility, operational absorptive capacity, and manufacturing flexibility

Eui-Beom Jung and Dae-Soo Kim

A Study on the Influence on Intention to Use Blockchain-Based Copyright Contract:Focusing on blockchain-based digital copyright exchange core platform

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9:20am - 11:00am – Special Session 2B

Room D

Chair: Gwang-yong Gim (Soongsil University)

A study on the plan to activate the use of craft works

Jung-Jae Lee

Smart beauty proposal using skin information bigdata algorithms

Yu-Jung Lee, Ji-Woo Choi, Hyun-Woo Nam and Se-Young Shin

Directions for the contents of studies on the skin information data for AI algorithm

Yu-Jung Lee, Ji-Woo Choi, Hyun-Woo Nam and Se-Young Shin

A Study on Factors Influencing Intention to Use of Electronic Payment System Based on Multi-Lane Hi-Pass Service

Sung-Il Hur, Yong-Gi Park and Jin-Won Jang

Case Study for Smart Tuning Effectiveness Verification by Comparing High Pass and Smart Tolling

Sung-Il Hur, Yong-Gi Park and Jin-Won Jang

11:00am - 11:15am – Coffee Break

Foyer

11:15am - 12:15pm – Special Session 1A

Room A

Chair: Jong-Woo Park (Soongsil University)

Determinants of Technology Innovation Performance

Min-Young Park, Jeong Chul Yoon and Hye-Soo Choi

Path Analysis to Management Performance of Small and Medium-sized Manufacturing Firms' Strategic Orientation

Suk Kyu Kim, Dong-Hyuk Jo, Chul-Hwan Kwon and Hyeon-Cheol Kim

Measuring Local Economy Efficiency with 2-Stage Bootstrap DEA: Evidence from Municipal Currency in South Korea

Hee-Jay Kang, Ji-Yoon Son and Chang-Hee Kim

11:15am - 12:15pm – Special Session 1B

Room B

Chair: Donghyuk Jo (Soongsil University)

A Study on the Relationship between Government Regulations and Innovation Efficiency in the Information and Communication Technology (ICT) Industry

Jae-Ho Shin, Yeong-Jun Kim and Chang-Hee Kim

The Impact of Capital Structure on the Profitability Efficiency of ICT firms

Yeong-Jun Kim and Chang-Hee Kim

Case Study of Water-related Efficiency and Productivity Analysis

Chang-Hee Kim and Yeong-Jun Kim

11:15am - 12:15pm – Special Session 2A

Room C

Chair: Jung-Jae Lee (Soongsil Cyber University)

A Study on the Development of the Public Information System in Korea's Distribution Industry

Yong-Gi Park , Seong-Il Hur and Jin-Won Jang

The Case Study on Use of Bigdata and AI in Distribution Industry
Yong-Gi Park , Seong-Il Hur and Jin-Won Jang

A Study on the Relationship between Activity-Based Offices and Employees' Creative Activities
Jin-Won Jang, Yong-Gi Park, Seong-Il Hur and Yong Joon Ahn

11:15am - 12:15pm – Special Session 2B

Room D

Chair: Gwang-yong Gim (Soongsil University)

A Study on the Extraction of Activity-Based Flexible Office Characteristics: Focused on AHP Analysis of Employees
Jin-Won Jang, Yong-Gi Park, Seong-Il Hur and Yong Joon Ahn

A Study on the Effective Recognition of Handwritten-Hangeul
Jae-Hyuk Heo, Sang-Wook Lee, Hee-Won Lee and Gwang-Yong Gim

A Comparative Study on the Perception Performance of Handwriting in Korean and English Using Machine Learning
Jae-Hyuk Heo, Sang-Wook Lee and Hee-Won Lee

12:15pm - 1:00pm – Lunch on your own

1:00pm - 2:40pm – Special Session 1A

Room A

Chair: Jong-Woo Park (Soongsil University)

Effect of the smart factory system in value chain on competitiveness of Korean SMEs manufacturing
Insu Cho and Jae-Hyeon Jun

Factors Affecting Successful Implementation of Smart Manufacturing System
Jae-Hyeon Jun and Insu Cho

Determinants of OTAs Continuous Usage Intention
So Ra Min, Seul-Ki Lee and Dong-Hyuk Jo

An Empirical Study on Continuous Usage Intention of Food Delivery Apps
Seul-Ki Lee and Dong-Hyuk Jo

1:00pm - 2:40pm – Special Session 1B

Room B

Chair: Donghyuk Jo (Soongsil University)

A Study on Strategic Plan for Convergence 6th Industry Policy
Chang-Hwa Baek, Eun-il Son and Sung-Taek Lee

Research on R&D process proposal in the era of convergence
Chang-Hwa Baek, Eun-il Son and Sung-Taek Lee

A Study on the Quality Evaluation Items of Artificial Intelligence Services in the Era of Convergence
Chang-Hwa Baek and Sung-Taek Lee

A study on the change in service quality in the era of the 4th industrial revolution compared to the existing service quality evaluation
Chang-Hwa Baek and Sung-Taek Lee

1:00pm - 2:40pm – Special Session 2A

Room C

Chair: Jung-Jae Lee (Soongsil Cyber University)

A Study on image recognition using deep learning for art psychology test
Ji-Won Lee, Jea-Ho Lee, Doh-Yeon Kim and Gwang-Yong Gim

A Study on the relation between image recognition and art counsel using deep learning
Ji-Won Lee, Jea-Ho Lee and Doh-Yeon Kim

A study of Intention to use recruitment system based on Artificial intelligence
Jung-Hee Lee, Ju-Hyung Kim, Yong-Hwan Kim and Yong-Min Song and Gwang-Yong Gim

A Study on Priorities for Utilization of AI Recruitment System
Jung-Hee Lee, Ju-Hyung Kim, Yong-Hwan Kim and Yong-Min Song

1:00pm - 2:40pm – Special Session 2B
Chair: *Gwang-yong Gim (Soongsil University)*

Room D

An Empirical Study on Filter Bubbles Based on text review in Youtube
Duk-Jin Kim, Woo-Yeong Lee, Do Hyung Kim and Gwang-Yong Gim

A study on the difference between social network analysis and text network analysis
Duk-Jin Kim, Woo-Yeong Lee and Do Hyung Kim

A Study on the Improvement of Sound Recognition Algorithm for Acoustic Drum and Electronic Drum
Sang-Wook Lee, Jae-Hyuk Heo, Sung-Taek Lee, Gwang-Yong Gim

A Comparative Study on the Machine Learning-based Drum Sound Recognition Algorithm
Sang-Wook Lee, Jae-Hyuk Heo and Sung-Taek Lee

2:00pm - 2:30pm – Coffee Break

Foyer

2:30pm - 5:30pm – Special Session 1A
Chair: *Jong-Woo Park (Soongsil University)*

Room A

Nanotechnology Performance Analysis Using Topic Modeling and Social Network Analysis: Focusing on NTIS Data in Korea (2015-2019)
Wook-Joon Sung and Changil Kim

Study on Infectious Diseases in Korea using Text Mining and Topic Analysis: Focusing on COVID-19 (2020), MERS (2015), H1N1 Flu (2009), and SARS (2003)
Wook-Joon Sung, Hyun-Suk Park and Seung-sup Ahn

Evaluation of the efficiency of graduate schools using data envelope analysis (DEA)
Wook-Joon Sung and Changil Kim

Improving Work Life Balance through the use of Smart Work Experience
Wook-Joon Sung

Impact of Word of Mouth Effect on the Korean Overseas Travel: Based on Tourists Type
Tae-Gu Kim and Sueyeon Kim

A Study on Korea TV Drama Ratings: Programming and Marketing Strategies
Tae-Gu Kim, Su-Yeon Kim and Min-Jeong Shin

Investigate consumer preferences for how to deliver product user guides
Jun-Hyeok Seo and Sung-Min Bae

Voice of startups: What technology business incubators are expected to offer and the differences between Korea and China
Li Wang and Sung-min Bae

Development of Air Pressure Measurement System of Suction Cups in a Vacuum Gripper

Su-Jeong Baek, Dong-Oh Kim, Seo-Jin Lee, Na-Hyeon Yu and Su-In Chea

2:30pm - 5:30pm – Special Session 1B
Chair: Donghyuk Jo (Soongsil University)

Room B

Abrupt covariance based signal extraction for fault prediction of an aircraft engine
Su-Jeong Baek and Yong-Uk Song

Order crossover problem with variable lead time
Gi-Tae Kim and Jin-Sik Choe

Optimal routing for vehicle and pedestrian in the urban area
Gi-Tae Kim and Jin-Sik Choe

Technology-driven service innovation in university libraries
Youn-Sung Kim, Kyung-Mi Bae, Min-Seo Park and Seo-Young Kim

Efficiency assessment in university libraries using DEA(data envelopment analysis) & PMA(performance matrix analysis)
Youn-Sung Kim, Seung-Beom Kim, Kyung-Mi Bae and Min-Seo Park

Remeasurement Dispatching Rules for Semiconductor EDS Process
Jeong-Il Ahn and Tae-Ho Ahn

Measurement System Analysis for Semiconductor Measurement Process
Jeong-Il Ahn and Tae-Ho Ahn

A Study on Airport Service Improvement Using Service Design Process
Seo-Young Kim, Tae-Hee Kim, Youn-Sung Kim and Min-Seo Park

A Study on the Improvement of User-centered Public Service
Kyung-Sun Lee, Seo-Young Kim, Youn-Sung Kim and Min-Seo Park

2:30pm - 4:30pm – Special Session 2A
Chair: Jung-Jae Lee (Soongsil Cyber University)

Room C

A Study on Participate Intention of Talent Donation Platform Based Blockchain
Woo-Young Lee, Duk-Jin Kim, Byeong-Ryun Jeon, Gwang-Yong Gim

A Study on Blockchain Application in Donation Platform
Woo-Young Lee, Duk-Jin Kim and Byeong-Ryun Jeon

A Study on the Intention to Use of Library Information System Using Expert Survey and SEM Model
Ju-Hyung Kim, Jung-Hee Lee, Kyoung-Jin Lee and Gwang-Yong Gim

A Study on the Issues Related to Building a Library Information System Based on Deep Learning
Ju-Hyung Kim, Jung-Hee Lee and Kyoung-Jin Lee

A Study on the Effect of Preview Data and Review Data on Online Store Purchase-Focused on Deep Learning Analysis
Eun-Tack Im, Phuong Huy Tung, Myung-Seok Oh, Jun-Yeob Lee, Simon Gim

A Study on the Extraction of Customer Satisfaction Factors Based on the Customer Satisfaction Model Using Text Review
Eun-Tack Im, Phuong Huy Tung, Myung-Seok Oh, Jun-Yeob Lee and Simon Gim

6:00pm - 8:00pm – Award Presentation Dinner Banquet

Foyer

Saturday, January 30, 2021

9:00am - 5:00pm – Registration

Foyer

9:20am - 11:00am – Special Session 5

Room A

Chair: Ngo Tan Vu Khanh (University of Economics Ho Chi Minh City)

The impact of technology on digital economy development in Vietnam
Ngo Tan Vu Khanh, Truong Viet Phuong and Do Truong Xuan

Hybrid autoscaling strategy on the kubernetes platform
Do Truong Xuan and Ngo Tan Vu Khanh

Deep Learning based image processing for proactive data collecting system for autonomous Vehicle
Nguyen Ngan Linh, Do Trong Hop, Phan Thanh Binh and Ngo Tan Vu Khanh

An highly realistic optical camera communication simulation framework for Internet of Things applications
Nguyen Manh Tuan, Truong Viet Phuong, Do Trong hop and Ngo Tan Vu Khanh

A machine learning approach for opinion mining online customer reviews
Thai Kim Phung, Nguyen An Te and Tran Thi Thu Ha

11:00am - 11:15am – Coffee Break

Foyer

11:15am - 12:15pm – Special Session 5

Room A

Chair: Ngo Tan Vu Khanh (University of Economics Ho Chi Minh City)

Assessing The Readiness For Implementing Business Intelligence System In Vietnam
Thai Kim Phung

Selecting Suitable Students for Job Requirement Base on Student's Capacity Data
Phan Hien

Deep Learning based image processing for proactive data collecting system for autonomous Vehicle
Nguyen Ngan Linh, Do Trong Hop, Phan Thanh Binh and Ngo Tan Vu Khanh

Appling Hesitant Fuzzy Set to Rank Student's Project
Phan Hien

12:15pm - 1:00pm – Lunch on your own

1:00pm - 2:20pm – Special Session 6

Room A

Chair: Trong Van Hung (Vietnam-Korea University of Information and Communication Technology)

A Study On Sentiment Analysis Combine Matrix Factorization For Rating Product In Vietnamese
Si-Thin Nguyen and Trong Van Hung

A Study on The Impacts of Privacy and Security on Intention to Use E-government in Vietnam Concerns
Thao Vo Thi Thanh, Trong Van Hung and Long Le Phuoc Cuu

Research on factors influencing intention to use Smart home devices in Da Nang
Trong Van Hung, Thao Tran Ngoc Phuong, Trang Nguyen Thi Kieu and Dang Quang Hien

Determinants influencing the intention to write eWOM of customers using e-commerce sites in Vietnam

Trang Nguyen Thi Kieu, Anh Vu Thi Quynh and Trong Van Hung

2:20pm - 2:35pm – Coffee Break

Foyer

2:35pm - 3:00pm Closing Remark (Program Chair)

Room A

2021 Conference Schedule

Dates	Location	Conference Name	Acronym
Jan 28-30	Hochiminh City Vietnam	21 st ACIS International Winter Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing	SNPD 2021 Winter
June 2-4	Shanghai China	20 th IEEE/ACIS International Summer Conference on Computer and Information Science 1 st ACIS International Conference on Artificial Intelligence (co-located with CIS 2021)	CIS 2021 Summer IAI 2021
June 7-9	Zhohai China	6 th IEEE/ACIS International Conference on Big Data, Cloud Computing, and Data Science Engineering *Technically sponsored by IEEE 8 th ACIS International Conference on Computational Science/Intelligence & Applied Informatics (co-located with BCD 2021)	BCD 2021 CSII 2021
June 20-22	Kanezawa Japan	18 th IEEE/ACIS International Conference on Software Engineering, Management and Applications 8 th ACM/ACIS International Conference on Applied Computing & Information Technology (co-located with SERA 2021)	SERA 2021 ACIT 2021
July 7-9	Taichung Taiwan	22 nd IEEE/ACIS International Summer Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing	SNPD 2021 Summer
Oct 13-15	Xi'An China	21 st IEEE/ACIS International Fall Conference on Computer and Information Science	CIS 2021 Fall

ACIS Journal Information

International Journal of Networked and Distributed Computing (IJNDC)

IJNDC is a world-class international journal. IJNDC Journal has been indexed in ESCI and Scopus and will ultimately be indexed in SCI **approximately** within one year or so.

<http://www.atlantis-press.com/publications/ijn/dc/>

International Journal of Software Innovation (IJSI)

IJSI is a world-class international journal. IJSI Journal has been indexed in ESCI and Scopus and will ultimately be indexed in SCI **approximately** within one year or so.

<http://www.igi-global.com/ijsi>

International Journal of Big Data Intelligence and Applications (IJBDA)

IJBDA is a world-class international journal. IJBDA Journal has been indexed in Scopus.

<http://www.igi-global.com/ijbdia>

ACIS Official Website

<http://www.acisinternational.org>