



Final Program

The 10th ACIS International Conference on Big Data, Cloud Computing, and Data Science Engineering (BCD 2025-Winter)



February 6-8, 2025
University of Greenwich, Danang, Vietnam

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Program at a Glance
Friday, February 7, 2025

Time	2/7	
	Event	Location
09:30 ~ 16:00	Registration	UGV Building 1 st Floor Lobby
10:00 ~ 12:00	Opening Ceremony(BCD) Keynote1(Duy H. N. Nguyen) Keynote2(Mien Van)	UGV Main Hall, 2 nd Floor
12:00 ~ 13:00	Lunch	
13:00 ~ 14:15	BCD Session 1 BCD Session 2 BCD Session 3	UGV 501(5 th Floor) UGV 502(5 th Floor) UGV 504(5 th Floor)
14:15 ~ 14:30	Break	
14:30 ~ 15:45	BCD Session 4 BCD Session 5 BCD Session 6	UGV 501(5 th Floor) UGV 502(5 th Floor) UGV 504(5 th Floor)
15:45 ~ 16:00	Break	
16:00 ~ 17:00	BCD Session 7 BCD Session 8 BCD Session 9	UGV 501(5 th Floor) UGV 502(5 th Floor) UGV 504(5 th Floor)

**** UGV (University of Greenwich, Danang, Vietnam):**
658 Ngo Quyen Street, Son Tra District, Da Nang City, Vietnam

Program at a Glance
Saturday, February 8, 2025

Time	2/8	
	Event	Location
9:30 ~ 10:00	Registration	UGV Building 1 st Floor Lobby
10:00 ~ 11:15	BCD Session 10 BCD Session 11	UGV 501(5 th Floor) UGV 502(5 th Floor)
11:30 ~ 12:30	Closing Ceremony	UGV Main Hall, 2 nd Floor

Keynote 1

To Be Updated

Duy H. N. Nguyen

Associate Professor
San Diego State University, duy.nguyen@sdsu.edu

Keynote 2

To Be Updated

Mien Van

Associate Professor
Queen's University Belfast, M.Van@qub.ac.uk

Program in Detail

Friday, February 7, 2025

■ 09:30 ~ 16:00 - Registration

UGV Building 1st Floor Lobby

■ 10:00 ~ 12:00 - Opening Ceremony (BCD)

UGV Main Hall, 2nd Floor

■ 12:00 ~ 13:00 – Lunch

■ 13:00 ~ 14:15 - BCD Session 1

UGV 501, 5th Floor

AI&Bigdata Strategy

Session Chair: Jungjae Lee

Time	Title	Author(s)
13:00 - 14:15	Diverging Data Strategies of the United States, China, and the EU in the Data Cold War Era	Deok-Hwan Oh, Hun-Yeong Kwon
	A Study on the Effect of Conflicts on Project Performance in IT Project	Sora Min Donghyuk Jo
	The necessity and development direction of military AI utilization	Jihee Nam. Hun-Yeong Kwon
	Development of a Sustainable Elderly Care System Leveraging ICT Technologies and Big Data: Current Trends and Future Perspectives	Jinhee Son Jinhee Lee
	A Comparative Study on the Role of AI Safety Institutes in Shaping Global AI Governance	Seong-ah Hwang Hun-Yeong Kwon

■ 13:00 ~ 14:15 - BCD Session 2

UGV 502, 5th Floor

Business Intelligence

Session Chair: Ly Quynh Tran

Time	Title	Author(s)
13:00 - 14:15	Effects of Peer Coaching on Creative Role Performance in Early Childhood Education Workers	Eunsuk Lee, Dong Hyuk Jo Su Young Kim
	A study on the effects of shared parenting on parenting efficacy and parental role satisfaction	Hyojung Kim, Dong Hyuk Jo
	Mediating Effect of Learning Immersion on Coaching Service Quality and Job Preparation Behavior: Moderated mediation of Social Support	Min-Jae Gil, Eun-Sook Kil, Jong-Woo Park
	A Study on the Effect of Coaching Leadership of Supervisors on Job Performance of Employees	Jongah Min, Jong-Woo Park
	A Study on the Psychological Characteristics and Consumer Tendency of South Korean Young Adults in Their Twenties	Youkyung Lee, Jungjae Lee

■ 13:00 ~ 14:15 - BCD Session 3

UGV 504, 5th Floor

Artificial Intelligence

Session Chair: Sungtaek Lee & Van Hung Trong

Time	Title	Author(s)
13:00 - 14:15	Learning-Inspired Fuzzy Logic Algorithms for Enhanced Control of Oscillatory Systems	Anh Trung Vuong, Thanh Son Pham, Thanh Truc Tran, Le Thang Dong Tran, Thuan Hoang Tran
	State of Health Prediction of Lithium-Ion Battery Using Machine Learning Algorithms	Thuan Hoang Tran, The-Nghia Nguyen, Truc Thanh Tran, Van Ngan Du, Trong Tu Nong, Van Hoa Duong
	From Textbooks to Chatbots: Applying Large Language Models in Vietnamese History Learning	Nang Hung Van Nguyen, Van Uc Ngo, Van Quan Pham, Thanh Truc Tran, Thanh Tra Phan, Truc Thi Kim Nguyen
	Enhancing System Security Monitoring with AI: Integrating the Anomaly Transformer and Prometheus for Real-Time Anomaly Detection	Sy Minh Ha Ho, Thi Minh Loan Truong, Trong Minh Tran, Nhu Vinh Hoang
	Respiratory Disease Classification Using IPMix and Custom Deep Learning Architectures	Dang Minh Nhat Nguyen, Duy Nghiem Nguyen, Thanh Son Pham, Nhu Vinh Hoang, Trong Minh Tran, Truc Thi Kim Nguyen

■ 14:15 ~ 14:30 – Break

■ 14:30 ~ 15:45 - BCD Session 4

UGV 501, 5th Floor

Data Science

Session Chair: Jungjae Lee

Time	Title	Author(s)
14:30 - 15:45	How to Implement Data Portability: A Comparative Study of Policies in Major Countries	Sojeong Bae, Hunyeong Kwon
	Current Status of Beauty Education Research through Keyword Network Analysis: Insights from Korea	Eun-Hyang Kim, Bum Seok Kim
	Exploring the Impact of Technology Readiness and Airport Experience on Value Co-Creation in Smart Airport Services	Sora Min, Dong Hyuk Jo, Su Young Kim
	Mutli-Metric based GPU Scoring Method in Kubernetes Environments	Jae-Hyung Kim, Woosuk Lee, Sang Hyeop Oh, Hyunsu Jeong, Heonchang Yu, Joon-Min Gil
	Research on Knowledge-Fusion-Based Fake News Data Mitigation Strategy	Kang Song, Wenqian Shang, Li'An Ji

■ **14:30 ~ 15:45 - BCD Session 5**
Digital Transformation & Service

UGV 502, 5th Floor
Session Chair: Ly Quynh Tran

Time	Title	Author(s)
14:30 - 15:45	Recent trends in Online-to-Offline(O2O) Commerce Platform	Hangju Seo, Eunsuk Lee
	Research on the impact of ESG management on corporate performance: A focus on hotel companies.	Sora Min, Seulki Lee
	Determinants of job crafting in the education services workforce	Su Young Kim, Eunsuk Lee
	A Study on the Influence of Omni Channel's Shopping Value on Users'	Sora Min, Su Young Kim
	Design Principles Of A Management Information System For The Baby And Toddler Home Care Service	Ioannis Christodouloupoulos, Ioannis Daramouskas, Isidoros Perikos

■ **14:30 ~ 15:45 - BCD Session 6**
Artificial Intelligence

UGV 504, 5th Floor
Session Chair: Sungtaek Lee&Van Hung Trong

Time	Title	Author(s)
14:30 - 15:15	SCADA-Integrated LSTM Framework for Optimizing Water Distribution Efficiency	Truc Thi Kim Nguyen, Chau Phuoc Nhat, Vo Nguyen Duy Phuoc, Le Huu Hai, Nhu Vinh Hoang Tran Thanh Truc
	A Study on enhancing performance Age and Gender Detection in CNNs by optimizing Batch Normalization and Dropout Configurations	Thin Nguyen Si, Thao Uyen Phuong Pham, Trong Van Hung
	A Study On Factors Affecting To Innovative Business Model Of Start-ups In Vietnam Using AHP technology	Thin Nguyen Si, Thao Uyen Phuong Pham Trong Van Hung
	Parking Space Detection Using UAV-Based Detection and YOLO in Smart Cities	Isidoros Perikos, Ioannis Daramouskas

■ **15:45 ~ 16:00 - Break**

■ 16:00 ~ 17:10 - BCD Session 7
Computational Science

UGV 501, 5th Floor
Session Chair: Jungjae Lee

Time	Title	Author(s)
16:00 - 17:00	Performance Evaluation of Quantum Computing Technologies using Multicriteria Group Decision Making Method	Srimannarayana Grandhi, Santoso Wibowo and Melvin Ramkhelawan
	A Framework to Support Upgrading Gaming Simulations in Response to Feedback from the External Environment	Akinobu Sakata, Takamasa Kikuchi, Masaaki Kunigami and Takao Terano
	Predictive Modeling for Diagnosing Infectious Pleuritis in Cats Using XGBoost: A Comparative Study	Orawan Watchanupapom, Kanyanut Homsapaya, Warapom Aumarn and Boonyakom Leelakamsakul
	Minecraft: An Engaging Platform to Learn Programming	Worasait Suwannik

■ 16:00 ~ 17:10 - BCD Session 8
Data Analysis Application-Social Informatics

UGV 502, 5th Floor
Session Chair: Ly Quynh Tran

Time	Title	Author(s)
16:00 - 17:00	A Study on the Effect of Supervisors' Coaching Leadership and Employees' Self-Directed Learning on Job Performance	Jongah Min, Jong-Woo Park
	Moderating Effect of Social Support on the impact of Coaching Service Quality on Job Preparation Behavior: Focusing on gender differences	Min-Jae Gil, Eun-Sook Kil, Jong-Woo Park
	A Study on the Effect of Coaching Leadership and Psychological Empowerment on Job Performance	Jongah Min, Jong-Woo Park
	Moderating Effect of Social Support on the impact of Coaching Service Quality on Job Preparation Behavior: Focusing on Age	Min-Jae Gil, Eun-Sook Kil, Jong-Woo Park

■ 16:00 ~ 17:10 - BCD Session 9
Data Analysis Application-Social Informatics

UGV 504, 5th Floor
Session Chair: Sungtaek Lee&Van Hung Trong

Time	Title	Author(s)
16:00 - 17:00	The Influence of Hotel Companies' Creating Shared Value on Corporate Image, Innovation Behavior and Corporate Performance	Sora Min, Hangju Seo
	The Effect of the Director's Coaching Leadership on the Teacher's Job Stress	Hyojung Kim, Hoi Kyoung Bae
	The Experience of Non-Suicidal Self-Injury	Youkyung Lee
	Effects of age-based virtual experiential play programs on children's playability	Hyojung Kim, Hoikyoung Bae

Program in Detail

Saturday, February 8, 2025

■ 09:30 ~ 10:00 – Registration

UGV Building 1st Floor Lobby

■ 10:00 ~ 11:15 - BCD Session 10

UGV 501, 5th Floor

Knowledge Discovery

Session Chair: Jungjae Lee

Time	Title	Author(s)
10:00 ~ 11:15	Evaluating Stock Prices with a Basic DEA Method	Bum Seok Kim
	A Study on the factors affecting the intention acceptance in usage-based insurance	Jaemo Lee
	Management Strategies for Open Source-Based Smart City Solutions	Sun-O Choi
	Development of Security Control Indicators for the Information Protection of Cloud based Public Data Center	Sang-Hyun Cho
	A Study on the factors affecting the intention acceptance for driver behavior analysis	Jaemo Lee

■ 10:00 ~ 11:15 - BCD Session 11

UGV 502, 5th Floor

Bigdata Management

Session Chair: Van Hung Trong

Time	Title	Author(s)
10:00 - 11:15	Using Artificial Intelligence Marketing - Focusing on Senior Market	Jinhee Son, Jinhee Lee
	A Study on Music Copyright Management Model Using Block Chain Technology	Youkyung Lee
	The Features of MZ Generation and Kidult Marketing	Jinhee Son, Jinhee Lee
	A Study on the factors affecting the intention of continuous use for short-term insurance	Sungtaek Lee
	A Study on the Frequency of Author Keywords in Korean Beauty Education-Related Academic Papers	Eun-Hyang Kim Bum Seok Kim

■ 11:30 ~ 12:30 - Closing Ceremony

UGV (Main Hall, 2nd Floor)