CONFERENCE PROGRAM ——

ICCMB 2024

2024 7th International Conference on Computers in Management and Business

2024 5th International Conference on Supply Chain Management (ICSCM 2024)

January 12-14, 2024 Singapore

Co-sponsored by ‹‹‹

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Hochschule Fulda
University of Applied Sciences

2024 7th International Conference on Computers in Management and Business (ICCMB2024)

2024 5th International Conference on Supply Chain Management (ICSCM2024)

January 12-14, Singapore

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Contents

Conference Venue

Shaw Foundation Alumni House

Address: 11 Kent Ridge Drive, #02-01, Singapore 119244

https://www.nus.edu.sg/alumnet/alumnihouse

https://maps.app.goo.gl/U6LPaUcJfQ3TCV25A

By Car: Via Heng Mui Keng Terrace (Entrance C). Nearest parking is located at Carpark 15.

By Bus: Public buses 10, 30, 51, 143, 183, 188, 200, alight at Pasir Panjang Road.

Shuttle Buses A1, A2, B2, D1

Conference Venue

Conference Rooms

January 12	13:30-17:30	Thyme	Sign-in & Conference Kits Collection
January 13	9:00-20:00	Basil	Keynote Speeches & Oral sessions 1&4 & Dinner
	13:30-17:15	Clove	Oral Sessions 2&5
	13:30-16:45	Lemongrass	Oral Sessions 3&6

Level 2
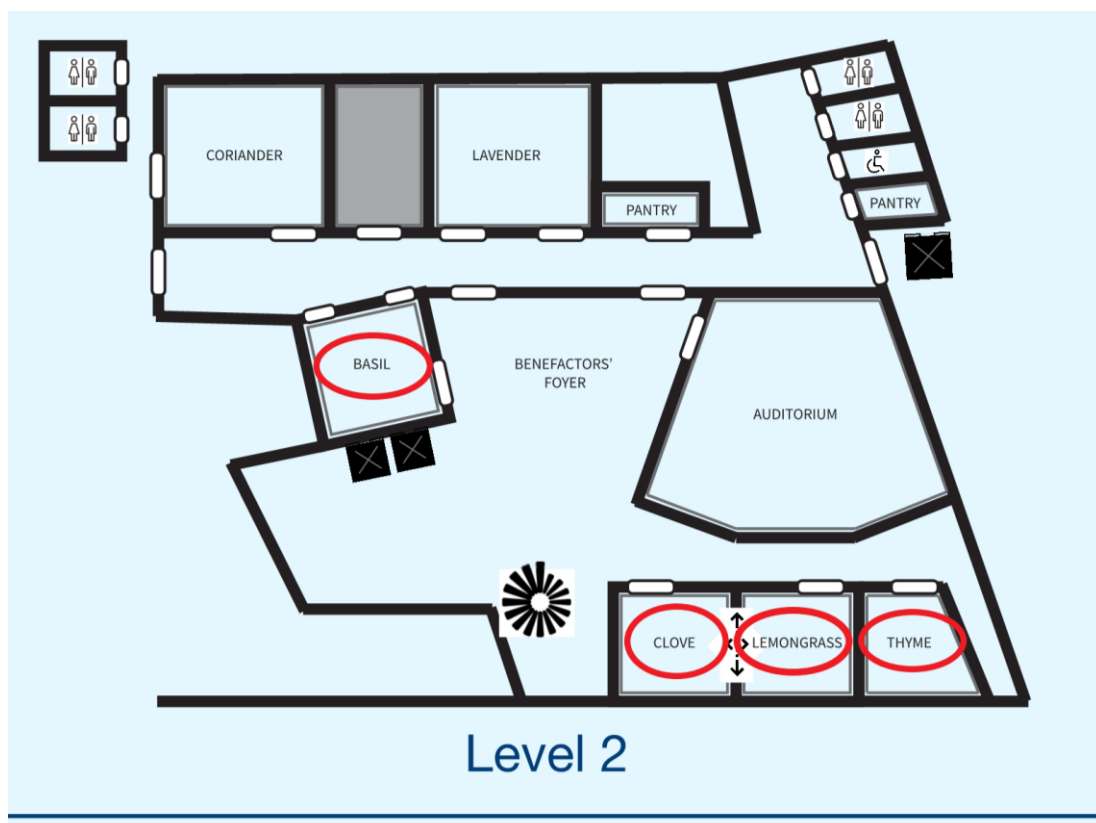
Onsite Guideline

Time Zone
GMT+8

Schedule
❑**January 12:** Sign-in and Conference Kits Collection ➔ Thyme (L2)
❑**January 13:** Keynote Speeches & Oral Sessions & Dinner ➔ Basil & Clove & Lemongrass (L2)

Language
● Please make presentation and discuss in English.

Oral Presentation

➢ Keynote Speech: 45 mins (including Q&A).
➢ Presenter Presentation: about 13 minutes for presentation and 2 minutes for Q&A.

● Please make sure your presentation is well timed. Please keep in mind that the program is full and that the speaker after you would like their allocated time available to them.
● Each speaker is required to meet her/his session chair in the corresponding session rooms 10 minutes before the session starts and copy the slide file (PPT or PDF) to the computer.
● Please note that each session room will be equipped with a LCD projector, screen, point device, microphone, and a laptop with general presentation software such as Microsoft PowerPoint and Adobe Reader. Please make sure that your files are compatible and readable with our operation system by using commonly used fronts and symbols. If you plan to use your own computer, please try the connection and make sure it works before your presentation.
● Videos: If your PowerPoint files contain video clips, please make sure that they are well formatted and connected to the main files.

Reminder
Please attend the conference in formal attire.
Safety Reminder: Secure Valuable Items at All Times.
We remind you to secure your personal belongings at all times.
The conference organizer will not be responsible for the loss or damage to any personal belongings.

Online Guideline

Time Zone
GMT+8

Platform | ZOOM

● Download Zoom from: https://zoom.us/download

● For Chinese Users: https://zoom.com.cn/download

● For Zoom skills: https://support.zoom.us/hc/en-us/articles/206618765-Zoom-Video-Tutorials

Test Sessions
Date: January 12, 2024

Prior to the formal meeting, presenters shall join the test room to ensure everything is on the right track.

Equipment & Environment Needed
● A computer with internet connection and camera

● Headphones

● Stable internet connection

● Proper lighting and background

Presentation Instructions
● Please make presentation and discuss in English.

● Keynote Speech: 45 mins (including Q&A).

● Presenter Presentation: about 13 minutes for presentation and 2 minutes for Q&A.

Attention Please
The conference will be recorded. We will appreciate your proper behavior.

Presentation Recording and Broadcasting:

The photograph(s) or video or audio recording(s) will be taken by conference organizer. It will be used in for conference program purpose. The photograph(s) or video or audio recording(s) will be destroyed after the conference, it cannot be distributed to or shared with anyone, it shall not be used for commercial nor illegal purpose. Each presentation will be recorded, if you don't want it, please inform our staff ahead of time.

Do not record other presenters' presentation nor distribute it to or share with anyone unless the presenter gives written consent of agree. Failure to do so will be considered a serious academic violation subject to disciplinary / lawful action.

Conference Committees

Conference Chairs
Prof. TANG Loon Ching, National University of Singapore, Singapore

Prof. Bo Yang, University of Electronic Science and Technology of China, China

Program Committee Chairs
Assoc. Prof. Stephane BRESSAN, National University of Singapore, Singapore

Assoc. Prof. Kwoh Chee Keong, Nanyang Technological University, Singapore

Prof. Rob LAW, University of Macau, Macau SAR

Prof. Shey-Huei Sheu, Asia University, Taiwan

Assoc. Prof. Bambang Leo Handoko, Bina Nusantara University, Indonesia

Assoc. Prof. Qi FU, University of Macau, Macau SAR

International Technical Committee Chairs
Prof. Thomas Hanne, University of Applied Sciences and Arts Northwestern Switzerland, Switzerland

Prof. Alessio Ishizaka, NEOMA Business School, France

Prof. Jozo Acksteiner, Fulda University of Applied Sciences, Germany

Prof. Lianjie SHU, University of Macau, Macau SAR

Prof. Amir Karbassi Yazdi, Universidad Católica del Norte, Chile

Prof. Jianhua Jiang, Changchun University of Technology, China

Assoc. Prof. Wei Li, Harbin Engineering University, China

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Dr. Xiaogang He, National University of Singapore, Singapore

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Prof. Bin Xue, National University of Defense Technology, China

Prof. Yew Kee WONG, Hong Kong Chu Hai College, China

Prof. Jay Daniel, University of Derby, UK

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Prof. Athakorn Kengpol, King Mongkut's University of Technology North Bangkok, Thailand

Prof. Abbas Fadhil Aljuboori, Al Zahra College for Women, Sultanate of Oman
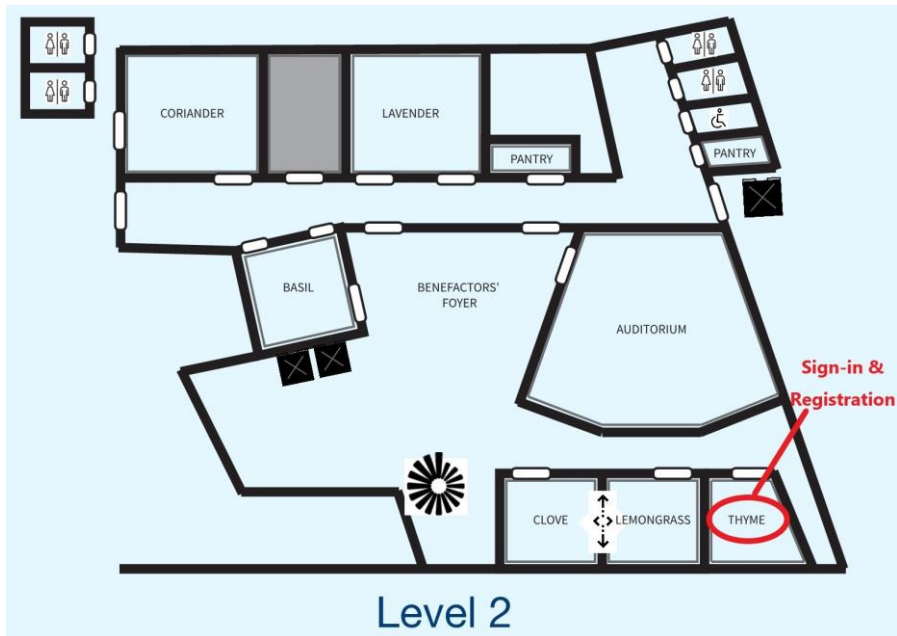
Conference Committees

Assoc. Prof. Allan N. Zhang, Singapore Institute of Manufacturing Technology, Singapore

Assoc. Prof. MinChuan Huang, Guangdong Institute of Petroleum and Chemical Engineering, China

Assoc. Prof. Litian Chen, Zhejiang Gongshang University, China

Assoc. Prof. Chang Boon Lee, University of Macau, Macau SAR

Assoc. Prof. Chunli Ji, Macau Polytechnic University, Macau SAR

Assoc. Prof. HSIU-CHIA KO, Chaoyang University of Technology, Taiwan

Assoc. Prof. Zineb El Andaloussi, Abdelmalek Essaâdi University, Morocco

Assoc. Prof. Mohamed A. Elkhouli, Sadat Academy for Management Science, Egypt

Assoc. Prof. Sirapat Boonkrong, Suranaree University of Technology, Thailand

Asst. Prof. Radu Godina, Universidade NOVA de Lisboa, Portugal

Asst. Prof. Wafa' Hasan AlAlaween, University of Jordan, Jordan

Asst. Prof. Kyunghwan Choi, Korea National Defense University, Korea

Asst. Prof. Roshan Baa, St. Xavier's College, India

Asst. Prof. Grace Lorraine Intal, Mapua University, Philippines

Dr. Wee Meng Yeo, University of Glasgow, United Kingdom

Dr. Anak Agung Ngurah Perwira Redi, Sampoerna University, Indonesia

Dr. Darjat Sudrajat, Universitas Bina Nusantara, Indonesia

Thepul Ginige, ESOFT Metro Campus, Sri Lanka

Lianna Wijaya, Bina Nusantara University, Indonesia

William Rey, Mapua University, Philippines

Program Outline

Time	Activity	Venue /Zoom ID
Day 1 | January 12, 2024 | Friday | (GMT+8)		
13:30-17:30	**Sign-in and Conference Kits Collection for *Onsite Participants*** ❑ printed conference program ❑ conference souvenir ❑ delegate card	**Thyme** Shaw Foundation Alumni House
	Online Test - Zoom	
13:30-15:00	**Session 7** BM24-426, BM24-498, BM24-460A, BM24-436E, BM24-473A, BM24-4103 **Session 8** BM24-481, BM24-413, BM24-451 BM24-462, BM23-433, BM24-212	831 2508 3296
15:00-15:30	**Online Speaker**	831 2508 3296

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Program Outline

Day 2 | January 13, 2024 | Saturday | (GMT+8)		
Keynote Speeches | Venue: Basil		
9:00-9:10	**Opening Remark** **Conference Chair - Prof. TANG Loon Ching** National University of Singapore, Singapore	
9:10-9:55	**Keynote - Prof. Jozo Acksteiner** Fulda University of Applied Sciences, Germany *"Utilizing Geographic Analytics in Public Healthcare Systems: From Lessons Learned during the Corona Pandemics to Future Applications managing Public Health"*	
9:55-10:20	**Group Photo & Coffee Break**	
10:20-11:05	**Keynote - Prof. TANG Loon Ching (Director of TDSI, NUS, Fellow of ISEAM)** National University of Singapore, Singapore *"System Resilience: A National Level Performance Measure"*	
11:05-11:50	**Keynote - Prof. Wil van der Aalst (Fellow of ACM, IEEE, IFIP)** RWTH Aachen University, Germany *"Revolutionizing Operational Processes: The Impact of Object-Centric Process Mining and Generative AI"*	zoom
11:50-13:30	**Lunch Break**	
13:30-15:15	**Session 1** Service Based Application Design and System Evaluation	Basil
13:30-15:00	**Session 2** User Oriented Intelligent Program Design and Platform Construction	Clove
13:30-15:00	**Session 3** Machine Learning Models and Computational Methods in E-commerce	Lemongrass
15:00-15:30	**Coffee Break**	
15:30-17:00	**Session 4** Modern Supply Chain Systems and Management	Basil
15:30-17:15	**Session 5** Enterprise Digital Transformation and Development	Clove
15:15-16:45	**Session 6** Advanced Intelligent Information Technology and Applications	Lemongrass
18:00-20:00	**Dinner Banquet**	Basil
Day 3 | January 14, 2024 | Sunday | (GMT+8)		
10:00-11:30	**Session 7** Information Management and Service Platform Based on Machine Learning Models	Zoom ID 831 2508 3296
13:30-15:00	**Session 8** Software and Program Design	

Keynote Speaker

Prof. Jozo Acksteiner

Fulda University of Applied Sciences, Germany

❑ Venue: Basil - Shaw Foundation Alumni House
❑ Time: 9:10-9:55 (GMT+8), January 13, 2024
❑ Zoom ID: 831 2508 3296   https://us02web.zoom.us/j/83125083296

"Utilizing Geographic Analytics in Public Healthcare Systems: From Lessons Learned during the Corona Pandemics to Future Applications managing Public Health"

Synopsis: In a world of big data, traditional business analytics reaches quickly its boundaries: Data is plentifully available, but the effort to gather, clean and to understand the data can be a painful, exhausting process. Furthermore, the results of the analysis might fail the reality check.

Geographic Analytics (GA) and Geographic Decision Support Systems (GDSS) have been developed to address these issues, radically speeding up the time-to-insight by leveraging the visualization of data on maps and by shifting the analytics from myriads of data points to visuals on a geographic map. GA and GDSS enable geographic decision making more effectively, with deeper insight and with better alignment in management.

In his talk, Prof. Jozo Acksteiner will introduce the concept of Geographic Analytics and how it is being applied to public healthcare systems. The presentation will deep dive into used cases such as Pandemic (Covid-19) Response Systems (an example here: https://www.hs-fulda.de/en/wirtschaft/fight-covid-19). It will exhibit the lessons learned during the Corona pandemic and it will give perspectives in future transitional research topics such as geo-correlations of environmental factors and certain diseases.

Biography: Prof. Jozo Acksteiner is a Full Professor at the Business Department of the University of Applied Sciences in Fulda, Germany, focusing on Logistics, Supply Chain Management, Business Analytics and Geographic Analytics. He is the Director of Studies for the Bachelor program Logistics Management (dual studies), and Associate Member of the Board, Hochschullehrerbund Hesse. Prof. Acksteiner was Adjunct Associate Professor at the National University of Singapore and co-chaired the Supply Chain Management Committee of the American Chamber of Singapore. He received his Ph.D. from the Georgia Institute of Technology in the USA. Prof. Acksteiner has previously worked in various strategic, operational and consulting roles for Hewlett-Packard, Singapore, as well as DHL, TNT and Booz Allen Hamilton Strategy Consulting in Germany.

Keynote Speaker

Prof. Loon Ching TANG
National University of Singapore, Singapore

Director of TDSI, NUS, Fellow of ISEAM, Conference Chair

❑ Venue: Basil - Shaw Foundation Alumni House
❑ Time: 10:20-11:05 (GMT+8), January 13, 2024
❑ Zoom ID: 831 2508 3296   https://us02web.zoom.us/j/83125083296

"System Resilience: A National Level Performance Measure"

Synopsis: It is increasingly evident that climate change has induced more freqeunt natural disasters of greater magnitude that posed threats and major disruptions to critical infrastructures and systems. In view of this, itis clear that we need to look beyond traditional risk management and develop a better understanding of system resilience. Here, we present a unifying framework for defining and measuring resilience. In particular, a well-known example on supply chain interruption is presented to understand the key drivers of systems resilience. We then present a family of recovery functions of wich the associated parameters are related to the key characteritics of resilience. It is then shown that the parameters of these functions can be used to form a set of resilience indices. Data from Hurricane Sandy in US were used to illustrate the application of the recovery function for benchmarking resilience performance of power supply companies in New York State and New Jersey. We then examine the effect of learning by looking at the data from past disruptions via statistical tests.

Biography: Dr Loon Ching TANG is currently a professor of Department of Industrial Systems Engineering & Management at the National University of Singapore and a Fellow of the Academy of Engineering, Singapore. He obtained his Ph.D degree from Cornell University in the field of Operations Research in 1992 and has published extensively in areas related to industrial engineering and operations research. He has been presented with a number of best paper awards including the IIE Transactions 2010 Best Application Paper Award and 2012 R.A. Evans/P.K. McElroy Award for the best paper at Annual RAMS. Prof Tang is the main author of the award-winning book: Six Sigma: Advanced Tools for Black Belts and Master Black Belts. Besides being active in the forefront of academic research, in the last 30 years, Prof Tang has served as a consultant for many organizations, such as the Ministry of Home Affair, Singapore Power Grid, Republic of Singapore Air Force, Seagate, HP, Phillips, etc, on a wide range of projects aiming at improving organizational and operations excellence; especially through better management of engineering assets. He is currently a fellow of ISEAM, the Co-Editor-in-Chief of Quality & Reliability Engineering International, editorial review board member of Journal of Quality Technology.

Keynote Speaker

Prof. Wil van der Aalst

RWTH Aachen University, Germany

(Fellow of ACM, IEEE, IFIP, "Godfather of Process Mining")

❑ Venue: Basil - Shaw Foundation Alumni House
❑ Time: 11:05-11:50 (GMT+8), January 13, 2024
❑ Zoom ID: 831 2508 3296   https://us02web.zoom.us/j/83125083296

"Revolutionizing Operational Processes: The Impact of Object-Centric Process Mining and Generative AI"

Synopsis: Although ChatGPT and related software are part of board-level discussions, organizations are still struggling with the basics. Operational processes that seem simple (e.g., procurement, sales, and assembly) still generate problems due to a lack of understanding and proper IT support. Therefore, AI and ML cannot be applied effectively without using process mining to better understand the actual processes and connect evidence-based management views to available data. However, traditional process mining, while powerful and effective, is not without limitations. Data extraction and transformation can be time-consuming and need to be repeated when viewpoints of questions change. Interactions between process objects (e.g., sales orders, sales order items, shipments, invoices, etc.) are not captured in traditional event logs and are, therefore, difficult to analyze using traditional techniques. Object-Centric Process Mining (OCPM) and the newly released OCEL 2.0 standard address these problems. In his keynote, prof. Wil van der Aalst delves into the transformative power of OCPM and highlights the changes in going from OCEL 1.0 to OCEL 2.0. He will explain recently developed techniques exploiting object-centricity and briefly relate this to the interplay between process mining and generative and discriminative AI (from classical ML to LLMs).

Biography: Prof.dr.ir. Wil van der Aalst is a full professor at RWTH Aachen University, leading the Process and Data Science (PADS) group. He is also the Chief Scientist at Celonis, part-time affiliated with the Fraunhofer FIT, and a member of the Board of Governors of Tilburg University. His research interests include process mining, Petri nets, business process management, workflow management, process modeling, and process analysis. Wil van der Aalst has published over 900 articles and books. According to Research.com, he is the highest-ranked computer scientist in Germany and ranked 10th worldwide. According to Google Scholar, he has an H-index of 177 and more than 140.000 citations. Van der Aalst is an IFIP Fellow, IEEE Fellow, ACM Fellow, and received honorary degrees from the Moscow Higher School of Economics (Prof. h.c.), Tsinghua University, and Hasselt University (Dr. h.c.). He is also an elected member of the Royal Netherlands Academy of Arts and Sciences, the Royal Holland Society of Sciences and Humanities, the Academy of Europe, the North Rhine-Westphalian Academy of Sciences, Humanities and the Arts, and the German Academy of Science and Engineering. In 2018, he was awarded an Alexander-von-Humboldt Professorship.

Session 1

"Service Based Application Design and System Evaluation"

Session Chair: Assoc. Prof. Sirapat Boonkrong, Suranaree University of Technology, Thailand **Time: 13:30-15:15 (GMT+8), January 13, 2024** **Venue: Basil, Shaw Foundation Alumni House**	
Note:	* Each presentation includes 15 mins (13 mins for oral presentation, and 2 mins for Q&A). * The schedule of each presentation is for reference only. Authors are required to attend the whole session, in case there may be some changes on conference day. Please join in the room 5-10 minutes earlier.
13:30-13:45 **BM24-463**	VETGO: A Mobile Application Designed for Pet Veterinary Services **Eric Blancaflor**, Marc Alec Agbayani, Angelo Guevarra, Jairus Mariano Mapua University, Philippines
13:45-14:00 **BM24-418**	A Web-based Text Mining System for Analyzing Customer Feedback of Returned Products **Mingyan Simon Lin**, Rong Wen Singapore Institute of Manufacturing Technology, A*STAR, Singapore
14:00-14:15 **BM24-429**	Telemedicine Application Continuance Usage based on TTF and UTAUT Theories: An Empirical Study Indonesia **Lianna Wijaya**, Kah Choon Ng, Kin Meng Cheng, Pardomuan Robinson Sihombing Bina Nusantara University, Indonesia
14:15-14:30 **BM24-465**	Beautyhare: A Design of a Web-based Management System for Salon Services **Eric Blancaflor**, Glenn Barrera, Marco Lopez, Karl Halcon Mapua University, Philippines
14:30-14:45 **BM24-407**	Optimizing Value Proposition and Customer Engagement in Mobile Applications: Using UML with Process Chain Analysis **Beatrice Hillary Sinawang**, Anak Agung Ngurah Perwira Redi, Yogi Tri Prasetyo, Michael Nayat Young Sampoerna University, Indonesia
14:45-15:00 **BM24-479**	LocalLink: A Mobile-based Application for Local Services in a Barangay Community Maxene Rianne Bon, Ysabela Marie Odchigue, Ambraie Joseph RequiÑo, **Elcid Serrano**, Annika Bianca Tiongco, Jeremey Joshua Yao Mapua University, Philippines
15:00-15:15 **BM24-496**	Smart Travel, Smarter Choices: User Acceptance Analysis of KAI Access with Technology Acceptance Model Approach **Tiurida Lily Anita**, Arif Zulkarnain, Tri Wiyana, Jevanuz Nagaria Bina Nusantara University, Indonesia
Best Presentation & Group Photo	

Session 2

"User Oriented Intelligent Program Design and Platform Construction"

Session Chair: Prof. Jozo Acksteiner, Fulda University of Applied Sciences, Germany	
Time: 13:30-15:00 (GMT+8), January 13, 2024	
Venue: Clove, Shaw Foundation Alumni House	
Note:	* Each presentation includes 15 mins (13 mins for oral presentation, and 2 mins for Q&A). * The schedule of each presentation is for reference only. Authors are required to attend the whole session, in case there may be some changes on conference day. Please join in the room 5-10 minutes earlier.
13:30-13:45 **BM24-491**	Unified Theory of Technology Acceptance and Use for Chatbot Services in the Hotel Business **Tiurida Lily Anita**, Arief Zulkarnain, Tri Wiyana, Muslikhin Muslikhin Bina Nusantara University, Indonesia
13:45-14:00 **BM24-441**	Optimizing User Experience and Performance in ePondo: A Crowdfunding Platform Study **William Rey**, Albert Villaluz, Kieth Wilhelm Jan Rey Mapua University, Philippines
14:00-14:15 **BM24-489**	Building a Media Ecosystem through listener perceptions of Streaming Radio in Malaysia **Rianto Nurcahyo**, Muslikhin Muslikhin, Yanuarita Kusuma Permatasari, Frederik Masri Gas Bina Nusantara University, Indonesia
14:15-14:30 **BM24-423**	Business Model canvas for the proposed ShopnTry mobile application **Grace Lorraine D. Intal**, Karmin Ida Mae C. Antonio, Mark Francis Perez, Paulo C. San Pedro Mapua University, Philippines
14:30-14:45 **BM24-201-A**	Implication of European Union Emission Trading System (Eu Ets) Guidelines on Network Design of Maritime Sector Verma Radhika, **Wee Meng Yeo** University of Glasgow, United Kingdom
14:45-15:00 **BM24-425**	BEauTify: An Information System for Company-Owned Salons with Multiple Branches in NCR Ma. Bernadeth Oliverio, Devon Earl Panes, Trinah Mae Vinluan, **Grace Lorraine Intal** Mapua University, Philippines
Best Presentation & Group Photo	

Session 3

"Machine Learning Models and Computational Methods in E-commerce"

Session Chair: Dr. Joel C. De Goma, Mapua University, Philippines	
Time: 13:30-15:00 (GMT+8), January 13, 2024	
Venue: Lemongrass, Shaw Foundation Alumni House	
Note:	* Each presentation includes 15 mins (13 mins for oral presentation, and 2 mins for Q&A). * The schedule of each presentation is for reference only. Authors are required to attend the whole session, in case there may be some changes on conference day. Please join in the room 5-10 minutes earlier.
13:30-13:45 **BM24-209-A**	Do regulatory penalties deter managers from hiding bad news? Evidence from stock price crash risk **Rongze Chen** Chongqing University, China
13:45-14:00 **BM24-422**	Exploring the Value of Live-Streaming Shopping and Its Impact on Customer Engagement from the Perspective of the Price-Quality-Value Model **HSIU-CHIA KO** Chaoyang University of Technology, Taiwan
14:00-14:15 **BM24-480**	Kulayaan: Towards the Development of E-commerce Website for Incarcerated Artists from Bilibid Jhon Darryl Doydoy, Jeriell Emmanuel Gallinera, Justine Amiel Jonson, Francis Andrei Santos, Jerome Tamargo, **Elcid Serrano** Mapua University, Philippines
14:15-14:30 **BM24-439A**	A data-driven machine learning approach for pattern discovery in financial fraud detection **Ying Zhou** Chongqing University, China
14:30-14:45 **BM24-406**	Application of Process Failure Modes and Effect Analysis for Acceptance Quality Limit in Lot Sentencing **Nafadza Salsabila Reihana**, Filscha Nurprihatin, Sri Susilawati Islam, Anak Agung Ngurah Perwira Redi, Yogi Tri Prasetyo, Michael Nayat Young Sampoerna University, Indonesia
14:45-15:00 **BM24-201**	On cost estimation of the full truckload contracts Szymon Cyperski, Michał Okulewicz, **Paweł D. Domański** Control System Software, Ltd., Poland
Best Presentation & Group Photo	

Session 4

"Modern Supply Chain Systems and Management"

Session Chair: Dr. Wee Meng Yeo, University of Glasgow, United Kingdom **Time: 15:30-17:00 (GMT+8), January 13, 2024** **Venue: Basil, Shaw Foundation Alumni House**	
Note:	* Each presentation includes 15 mins (13 mins for oral presentation, and 2 mins for Q&A). * The schedule of each presentation is for reference only. Authors are required to attend the whole session, in case there may be some changes on conference day. Please join in the room 5-10 minutes earlier.
15:30-15:45 **BM24-431**	Blockchain-Based Supply Chain System – A Proof of Concept for the Coffee Industry **Sirapat Boonkrong**, Kittipop Srakhatong, Phongsakorn Lanjaidee, Suphatsara Waisunee, Chaiwat Poondee, Kanyarat Nitchoho Suranaree University of Technology, Thailand
15:45-16:00 **BM24-204**	Unveiling Supplier-driven Innovation: Proposing a Buyer-Centric Framework **Yuting Sun**, Stephen Cahoon, Peggy Chen, Hadi Rezaei Vandchali University of Tasmania, Australia
16:00-16:15 **BM24-206**	Designing a Multi Echelon Supply chain network for Citrus fruits inspecting the Economic, Social and Environmental issues Rajan Ponnusamy, **Shahul Hamid Khan** Indian Institute of Information Technology Design and Manufacturing, India
16:15-16:30 **BM24-210-A**	Building Resilience in Tech-Enabled Supply Chains: A fused AHP-DEMATEL framework **Devnaad Singh**, Anupam Sharma, Rohit Kumar Singh, Prashant Singh Rana Thapar Institute of Engineering and Technology, India
16:30-16:45 **BM24-211**	A Proposal for a Simple, Structured, and Easy-to-Use Method for Determining Production Level to Lower Ending Inventory in MSME with Steady Demand and a Culture of Oversupply **Iris Ann G. Martinez** University of the Philippines Diliman, Philippines
16:45-17:00 **BM24-202**	Custom approach to the cost estimation of the full truckload contracts for short routes Jakub Gruszecki, Wojciech Szerszeń, Szymon Cyperski, and **Paweł D. Domański** Control System Software, Ltd., Poland
Best Presentation & Group Photo	

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Session 5

"Enterprise Digital Transformation and Development"

Session Chair: Dr. Lianna Wijaya, Bina Nusantara University, Indonesia **Time: 15:30-17:15 (GMT+8), January 13, 2024** **Venue: Clove, Shaw Foundation Alumni House**	
Note:	* Each presentation includes 15 mins (13 mins for oral presentation, and 2 mins for Q&A). * The schedule of each presentation is for reference only. Authors are required to attend the whole session, in case there may be some changes on conference day. Please join in the room 5-10 minutes earlier.
15:30-15:45 **BM24-207-A**	Power of Example: Regional Peer Effects on Firm ESG Performance **Yuke Huang**, Ciheng Song Chongqing University, China
15:45-16:00 **BM24-469A**	How to improve the efficiency of enterprise transformation and upgrading in the context of big data? A comprehensive exploration of digital analysis and forecasting **Chen Zhang** China University of Petroleum (East China), China
16:00-16:15 **BM24-208-A**	Can't be Alone: Industrial Peer Effects on Corporate ESG Performance **Ciheng Song**, Yuke Huang Chongqing University, China
16:15-16:30 **BM24-464A**	Can official development assistance enhance renewable energy development in sub-Saharan Africa? A role of institutional transparency of recipient countries **Jiaqi Guo** China University of Petroleum (East China), China
16:30-16:45 **BM24-484**	Transforming modern business with digital platforms - exploring solutions with topic modelling **Ashish Kumar Gupta**, Barsha Saha, Inderjeet Kaur O. P. Jindal Global University, India
16:45-17:00 **BM24-468A**	Evaluating the Effectiveness of Public Policies on Technological Innovation: Evidence from Bibliometrics and Knowledge Mapping **Xue Wang** China University of Petroleum (East China), China
17:00-17:15 **BM24-443**	The Impact of Digital Transformation in the Philippines: A Study of the Key Drivers and Barriers **William Rey**, Albert Villaluz, Kieth Wilhelm Jan Rey Mapua University, Philippines
Best Presentation & Group Photo	

Session 6

"Advanced Intelligent Information Technology and Applications"

Session Chair: Dr. Mingyan Simon Lin, Singapore Institute of Manufacturing Technology, A*STAR, Singapore	
Time: 15:15-16:45 (GMT+8), January 13, 2024	
Venue: Lemongrass, Shaw Foundation Alumni House	
Note:	* Each presentation includes 15 mins (13 mins for oral presentation, and 2 mins for Q&A). * The schedule of each presentation is for reference only. Authors are required to attend the whole session, in case there may be some changes on conference day. Please join in the room 5-10 minutes earlier.
15:15-15:30 **BM24-440**	Intelli-Jaula: an IOT-based Smart Bird Cage for Agapornis fischeri **William Rey**, Kieth Wilhelm Jan Rey Mapua University, Philippines
15:30-15:45 **BM24-442A**	Forecasting EREITs Price through Fuzzy Hybrid Density Networks and Blockchain-Backed Decentralized Edge Computing Networks **Jingyi Peng** Chongqing University, China
15:45-16:00 **BM24-467**	An Integration of Transfer Learning in Modern Philippine Banknote Feature Detection **Joel C. De Goma**, Marcus Julius T. Rabano, Dean Marlou P. Sanson, Kerstein Alyssa F. Tadena Mapua University, Philippines
16:00-16:15 **BM24-401E**	Urban Last Mile Delivery Data Mining for Performance Improvement Nigel W.Z. Soh, **Allan N. Zhang**, Fangyuan Wan, Chi Xu Singapore Institute of Manufacturing Technology, Singapore
16:15-16:30 **BM24-490**	Scalable Solutions for Efficient Real-Time Distributed Video Analytics with Vehicle Detection on CPU Edge Nodes **Shekhar Khadka**, Sharad Kumar Ghimire Tribhuvan University, Nepal
16:30-16:45 **BM24-475**	An Assessment of the proposed Gamified Programming Application using SWOT Grace Lorraine Intal, **Joel de Goma**, Adrian Alfonso, Kiel Cedrick Huplo, Deanne Marie Nivera Mapua University, Philippines
Best Presentation & Group Photo	

Session 7

"Information Management and Service Platform Based on Machine Learning Models"

Session Chair: Prof. Yew Kee WONG, Hong Kong Chu Hai College, China **Time: 10:00-11:30 (GMT+8), January 14, 2024** **Venue: 831 2508 3296 https://us02web.zoom.us/j/83125083296**	
Note:	* Each presentation includes 15 mins (13 mins for oral presentation, and 2 mins for Q&A). * The schedule of each presentation is for reference only. Authors are required to attend the whole session, in case there may be some changes on conference day. Please join in the room 5-10 minutes earlier.
10:00-10:15 **BM24-426**	A General Framework on Enhancing Portfolio Management with Reinforcement Learning Yinheng Li, **Junhao Wang**, Yijie Cao Columbia University, USA
10:15-10:30 **BM24-498**	Application of Nepali Large Language Models to Improve Sentiment Analysis Shushanta Pudasaini, **Aman Shakya**, Sunil Ghimire, Prabhat Ale, Prakriti Paudel, Basanta Joshi Tribhuvan University, Nepal
10:30-10:45 **BM24-460A**	Machine Learning-Powered Facial Recognition for Non-Invasive Workplace Stress Assessment and Management **Nhat Quang Bui**, Nicolas Hamelin SPJAIN Neuroscience lab, Australia
10:45-11:00 **BM24-436E**	Adoption of Information Technology in Logistics and Supply Chain Organizations in Tamilnadu **R. Ruthramathi**, V. Sivakumar Alagappa University, India
11:00-11:15 **BM24-473A**	How to Deal with Uncertainty in Emerging Platforms? Impact of Platform-Initiated Content **Woosik Shin**, Seongbeom Kim, Suyeong Yang, Yeji Kim Yonsei University, South Korea
11:15-11:30 **BM24-4103**	Managing the Contextualized Digital Learning Refers to Sunda Wiwitan Tradition and Character **Silverius Constantino Johanes Maria Lake**, Arcadius Benawa, Christian Siregar Bina Nusantara University, Indonesia
Best Presentation & Group Photo	

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Session 8

"Information Management and Service Platform Based on Machine Learning Models"

**Session Chair: Dr. Silverius Constantino Johanes Maria Lake, Binus University, Indonesia**
**Time: 13:30-15:00 (GMT+8), January 14, 2024**
**Venue: 831 2508 3296 https://us02web.zoom.us/j/83125083296**

Note:	* Each presentation includes 15 mins (13 mins for oral presentation, and 2 mins for Q&A). * The schedule of each presentation is for reference only. Authors are required to attend the whole session, in case there may be some changes on conference day. Please join in the room 5-10 minutes earlier.
13:30-13:45 **BM24-481**	A software architecture design based on microservices for an e-wallet in Ecuador. Efraín A Insuasti, Bryan N. Cisneros, **Paulina A. Morillo** Universidad Politécnica Salesiana, Ecuador
13:45-14:00 **BM24-413**	Appoint Deportes: An Online Reservation System for Sports Facilities **Josephine D. German**, Sachi Liyah S. Bautista, Pia Alyssa R. Bonagua, Cedric Vincent L. Chan, Jesslene Emille L. Mallen, Fea Claire B. Plantilla Mapua University, Philippines
14:00-14:15 **BM24-451**	Does The Implementation of Information Systems Require Top Management Support? **Rapina Rapina**, Tan Ming Kuang, Yusuf Osman Raihin, Johannes Buntoro Darmasetiawan, Nindy Tanison Maranatha Christian University, Indonesia
14:15-14:30 **BM24-462**	A Literature Survey on Open Source Large Language Models **Sanjay Kukreja**, Tarun Kumar, Amit Purohit, Abhijit Dasgupta, Debashis Guha SP Jain School of Global Management, India
14:30-14:45 **BM24-433**	Materials Delivery Optimization for a Construction Company using Linear Programming and Anylogistix Software Clarinda Joanne Ellorin-Igros, Anak Agung Ngurah Perwira Redi, **Josephine D. German** Mapua University, Philippines
14:45-15:00 **BM24-212**	IoT in Supply Chain Management: An overview **Haifa B. Al-Ibrahim**, Mehmet S. Aksoy King Saud University, Saudi Arabia
**Best Presentation & Group Photo**

National University of Singapore

https://nus.edu.sg/

The National University of Singapore (NUS) is a national public collegiate and research university in Singapore. Founded in 1905 as the Straits Settlements and Federated Malay States Government Medical School, NUS is the oldest autonomous university in Singapore. It offers degree programmes in disciplines at both the undergraduate and postgraduate levels, including in the sciences, medicine and dentistry, design and environment, law, arts and social sciences, engineering, business, computing, and music.

NUS's main campus is located adjacent to the Kent Ridge subzone of Queenstown. The Duke–NUS Medical School is located at the Outram campus. The Bukit Timah campus houses the Faculty of Law and Lee Kuan Yew School of Public Policy.

NUS's affiliated faculty members and researchers include one Nobel Prize laureate, one Tang Prize laureate, and one Vautrin Lud laureate.

Coat of arms

The coat of arms of the National University of Singapore was adopted in 1980 and modernised in 2001. It is the combination of the coat of arms of the former University of Singapore used since 1962 (consisting of an open book and a lion, which itself was derived from the former coat of arms of the University of Malaya used from 1949 until 1962, which featured a tiger instead of a lion), and the emblem of the former Nanyang University, three interlocking rings but without the star used since 1955.

It is blazoned:

> Argent a lion passant guardant proper; on a chief azure dexter an open book also proper, bound, edged and clasped Or and sinister three annulets interlaced one and two Argent.

The lion represents NUS as a Singaporean university, the open book represents knowledge and the three rings represents the university's role in creating, imparting and applying knowledge, as well as creativity, innovation and entrepreneurship.

The National University of Singapore is one of two public universities in Singapore to adopt its coat of arms, alongside the Nanyang Technological University, with which it has relations.

Memo

Memo