

Session 1A: Smart logistics and supply chain innovations			
August 29, 2022. (14:15 - 15:45) Chair: Tony Suk-Chul Rim			
No.	Paper ID	Title / Authors	Type
1	5	Application of Python and OpenCV on industrial cycle time study <i>Anintaya Khamkanya, Suphanath Promteravong and Sirapop Thongampa</i>	Onsite
2	2	Application of Simulation Technique for Improving Plant Layout in Ceramic Factory <i>Chompoonoot Kasemset, Takron Opassuwan, Thanakit Tangsittikhun and Nititada Chaiyajina</i>	Onsite
3	21	A study on convolutional neuron networks of classification Mangosteen for export in Thailand <i>Kanitsorn Poonikom, Thanatkij Srichok, Yingyos Thipsrirach, Rapeepan Pitakaso and Ganokgarn Jirasirilerd</i>	Onsite
4	24	Effects of association-rules' characteristics on the performances of storage relocation problem A case of foods' raw materials warehouse <i>Nattakit Kaewwilai and Akkaranan Pongsathornwiwat</i>	Onsite
5	58	Two-Stage Stochastic Optimization Model for Post-Disaster Waste Management with Mixed Strategy for separation <i>Chawis Boonmee</i>	Onsite
August 29, 2022. (16:00 - 17:30) Chair: Chompoonoot Kasemset			
6	41	Retro Simulation Model for Demand-based Inventory Control <i>Tony Suk-Chul Rim and So Yeon Park</i>	Onsite
7	49	Simulation-based electric vehicle charging station admission control and scheduling model for urban traffic network <i>Tianyuan Xu and Bongju Jeong</i>	Onsite
8	3	Shallot Price Forecasting Models: Comparison among Various Techniques <i>Chompoonoot Kasemset, Kanokrot Phuruan and Takron Opassuwan</i>	Onsite
9	60	Location Routing Problem Solving: A Case Study Thailand Royal Project <i>Peerawat Luesak, Worapot Sirirak, Rapeepan Pitakaso, Thanatkij Srichok, Surajet Khonjun, Sarinya Sirisan and Sarayut Gonwirat</i>	Onsite
10	64	A Logistic Optimization for the Blood Delivery Routing Problem in the Lower Southern Region of Thailand <i>Kunanon Intapan, Wanatchapong Kongkaew, Sakesun Suthummanon, Supattra Mitundee and Siriphath Saranobphakhun</i>	Onsite

Session 1B: Sustainability in logistics and supply chain management			
August 29, 2022. (14:15 - 15:45) Chair: Kanchana Sethanan			
No.	Paper ID	Title / Authors	Type
1	9	Improving Sustainable Microgrid Design by Considering Effects of Government Subsidies, Peer-to-peer Energy Trading, and Uncertainty: Fuzzy Meta-heuristic Approach <i>Thi Huynh Anh Le and Vincent F. Yu</i>	Online
2	16	Sustainable Vehicle Routing: Optimizing for Gender Equality <i>Phan Thi Kim Phung and Sun Olapiriyakul</i>	Online
3	20	Forecasting and analyzing the gap between Thai's wood pellets supply and global demand <i>Phongsathon Koondee, Wirachchaya Chanpuypetch, Tuangyot Supeekit and Suratin Tunyaplin</i>	Onsite
4	25	Business Model for Improving Local Tourism Sustainability <i>Pawnrat Thumrongvut, Kanchana Sethanan, Thitipong Jamrus and Chuleeporn Wongloucha</i>	Onsite
5	31	Profitable Tour Problem for Home-Refill Considering Optional Customers <i>Anggun Nurfitriani Handoko, Vincent F. Yu, Nabila Yuraisyah Salsabila and Renan S. Maglasang</i>	Online
August 29, 2022. (16:00 - 17:30) Chair: Papot Jaroenapibal			
6	42	Constructing the hierarchical corporate sustainability transition practices within port and shipping industry under qualitative information and complex interrelationship <i>Tsai Feng-Ming, Taufik Kurrahman and Ting Hsiu-I</i>	Online
7	50	Green Point-to-Point Logistics at Kalasin: A Case Study of Rice Transportation <i>Arjaree Saengsathien and Krissada Namchimplee</i>	Online
8	51	The Cold Chain of Golden Apple Snail: A Case Study <i>Arjaree Saengsathien, Dashashai Nontapa, Wuttichai Janteb and Krissada Namchimplee</i>	Online
9	55	Measuring CO2 emissions level for more sustainable distribution in a supply chain <i>Damian Dubisz and Paulina Golinska-Dawson</i>	Online
10	70	The relationship between logistics performance and carbon emissions using Gaussian Mixture Regression <i>Paththaraporn Thongnim, Vasin Yuvanatemiya, Piyaporn Rattanopat and Bo Wang</i>	Onsite

Session 1C: Smart logistics and supply chain innovations			
August 29, 2022. (14:15 - 15:45) Chair: Charnnarong Saikaew			
No.	Paper ID	Title / Authors	Type
1	1	Solving the share-a-ride problem by a matheuristic algorithm <i>Mareg Marye Zegeye, Vincent F. Yu, Sisay Geremew Gebeyehu, Putu A. Y. Indrakarna and Panca Jodiawan</i>	Online
2	12	Application of Particle Swarm Optimization for Mechanical Component Design <i>Sumanut Suriyanoi and Warisa Wisittipanich</i>	Onsite
3	27	Designs of optimal layout and storage location assignment for warehouse efficiency improvements with considering of item-associated customer groups in a logistics service provider <i>Supakarn Phunpherm and Akkaranan Pongsathornwiwat</i>	Online
4	36	Air freight forwarder's short-term allocation problem among heterogeneous flights <i>Akkaranan Pongsathornwiwat, Kannapha Amaruchkul and Nithima Thamtiang</i>	Online
5	13	A Self-Adaptive Differential Evolution for Technician Routing and Scheduling Problem <i>Voravee Panyakum, Kanchana Sethanan, Krisanarach Nitisiri and Dusit Singpommat</i>	Onsite
August 29, 2022. (16:00 - 17:30) Chair: Kune-Muh Tsai			
6	47	A Mathematical Model for Multi-Trip Vehicle Routing Problem with Time Window in Transportation Business <i>Kantapong Niyomphon and Warisa Wisittipanich</i>	Online
7	48	Additive manufacturing nesting and scheduling problem considering multi-material parts <i>Jaehun Kim, Hyungbin Park and Bongju Jeong</i>	Onsite
8	59	The impacts of COVID-19 pandemic on the automotive industry workforce in Thailand <i>Somphop Chiaranai and Rapeepan Pitakaso</i>	Onsite
9	63	The Retail's Character and Readiness Adopting Digital Marketing During Pandemic Covid-19 <i>Moh Wahyudin, Okky Sadhewa, Henry Yuliando, Chih-Cheng Chen and Kune-Muh Tsai</i>	Online
10	10	Integrating Forward and Reverse Logistics in Vehicle Routing Problem with Cross-docking <i>Pham Tuan Anh, Vincent F. Yu, Aldy Gunawan and Hsun Han</i>	Online

Session 1D: Trends and best practices in production logistics and service logistics			
August 29, 2022. (14:15 - 15:45) Chair: Panitas Sureeyatanapas			
No,	Paper ID	Title / Authors	Type
1	14	The Analysis of Decision Criteria for The Selection of Cold Chain Logistics Providers in The Food Industry <i>Nalinee Wiangkam, Thitipong Jamrus and Panitas Sureeyatanapas</i>	Onsite
2	19	Prioritizing Customer-Focused Performance Measures for Home Furniture Delivery and Assembly Service Using AHP: A Case Study of Multinational Company in Thailand <i>Rattikan Jaisankad, Suratin Tunyaplin and Wirachchaya Chanpuypetch</i>	Onsite
3	22	Application DMADV together with Quality Function Deployment in the development of self-driving vehicles AGV. <i>Kanitsorn Poonikom, Surajet Khonjun, Nunthaphan Kanoksirirujisaya, Rapeepan Pitakaso and Ganokgarn Jirasirilerd</i>	Onsite
4	30	The Selective Vehicle Routing under Bloodmobile System <i>Samuel Alan Darmasaputra, Vincent F. Yu, Renan S. Maglasang and Nabila Yuraisyah Salsabila</i>	Online
5	32	Attribution of Strategic Motive, Business Efficiencies, Firm Economies, and Market Factors as Motivations of Restaurant Industry Vertical Integration Adoption: A Structural Equation Model <i>Melecio Jr Sy</i>	Onsite
August 29, 2022. (16:00 - 17:30) Chair: Thanawath Niyamosoth			
6	52	Barriers to electronic data exchange in the supply chain. Results of research. <i>Karolina Werner-Lewandowska, Adam Koliński and Paulina Golinska-Dawson</i>	Online
7	56	The influence of warehouse area onto the efficiency of warehouse management <i>Izabela Kudelska and Krystian Jędrzejak</i>	Online
8	67	A Comparative Study of Key Success Factor between Digital and Traditional Maritime Freight Forwarders <i>Yu Chu, Taih-Cherng Lirn and Shiou-Yu Chen</i>	Online
9	68	The Supply Chain Operations Reference (SCOR) Model Application: Herb Supply Chain in Dong Bang Village, Thailand <i>Natanaree Sooksaksun, Kiadtikun Wavnum, Jitraporn Thepklang and Sasimaporn Seehaworg</i>	Onsite
10	23	A Comparative Study of Multi-Criteria Decision-Making Models Performance Under Linguistic Variable For Customer Prioritization in A Plastic Company <i>Rujipas Anakamane and Akkaranan Pongsathornwiwat</i>	Onsite

Session 1E: Smart logistics and supply chain innovations			
August 29, 2022. (14:15 - 15:45) Chair: Danaipong Chetchotsak			
No,	Paper ID	Title / Authors	Type
1	8	Vehicle Routing Problem with Public Transportation and Delivery Options <i>Pham Kien Minh Nguyen and Vincent F. Yu</i>	Online
2	26	Coconut Warehouse and Transportation Process Analysis Using Simulation Technique: The Case Study of a Coconut Manufacturer <i>Parinya Kaweegitbundit, Pasuree Lumsakul, Orajit Jamesang, Uraiwan Pongsa, Prasan Saengkhaio and Phoometh Sangrayub</i>	Online
3	29	The Vehicle Routing Problem with Simultaneous Pickup and Delivery under Omnichannel Retailing <i>Vincent F. Yu, Ching-Hsuan Lin and Renan S. Maglasang</i>	Online
4	33	Logistics analytics for the organic farms <i>Arunrat Sawettham, Sarinthip Thaweedej, Supattraporn Saisomboon, Panamon Chantabutr and Piyawat Chanintrakul</i>	Online
5	35	Genetic based algorithms to solving multi-quays berth allocation problem with setup time constraints <i>Chatnugrob Sangsawang and Cholthida Longploypad</i>	Online
August 29, 2022. (16:00 - 17:30) Chair: Angela Yy Chen			
6	40	Changes in Cargo Movement due to the Effects of COVID-19 <i>Kuninori Suzuki, Yoshihide Ikushima and Yoji Murayama</i>	Online
7	53	Employee Shuttle Bus Management using Adaptive Differential Evolution: A Case Study Electronic Factory <i>Sarayut Gonwirat, Atchara Choompol, Suphan Sodsoon and Narong Wichapa</i>	Online
8	57	Optimal Tourist Attraction Selection for a Tourist Package Based on Medical & Wellness Tourist Group Preferences <i>Nat Praseeratasang, Nanthida Phaaindi, Rapeepan Pitakaso, Worapot Sirirak and Thanatkij Srichok</i>	Online
9	65	The Simulation for the Optimum Location in the Linear Approximation Method <i>Angela Yy Chen and Yutaka Karasawa</i>	Online
10	54	Simulation to improve the Inbound Logistics Management of the Tuna Canned Industry: A Case Study <i>Woraya Neungmatcha, Atiwat Boonmee and Ampika Boonmee</i>	Online

August 30, 2022. (11:00 - 12:30)

Session 2A: Smart logistics and supply chain innovations Chair: Thitipong Jamrus

No.	Paper ID	Title / Authors	Type
1	7	A Hybrid Metaheuristic for Pollution Travelling Salesman Problem <i>Supakrit Nanasilp and Warisa Wisittipanich</i>	Onsite
2	18	Optimization for Flood Evacuation Shelter Location -Allocation Problem with Difference Priority Levels Constrains <i>Boonyarit Boromrit and Thitipong Jamrus</i>	Onsite
3	61	Geographic Information Systems for Improvement the Garbage Truck Routes in Urban Areas of Chiang Rai <i>Worapod Saengbunrueang, Sarinya Sirisan, Nanthida Phaaind, Worapot Sirirak, Tawatchai Klongdee, Peerawat Luesak, Rapeepan Pitakaso and Ganokgarn Jirasirilerd</i>	Onsite
4	62	Water Supply Network Design in an Agricultural Community Using AMIS <i>Phajongjit Pijitbanjong, Chaiya Chomchalao, Rapeepan Pitakaso, Chalermchat Theeraviriya and Surajet Khonjun</i>	Onsite
5	4	A PVD Coating Method Comparison of C-Steel and H-Steel Tool Steels for Mold Industry in the age of VUCA World <i>Nunthaphan Kanoksirirujisaya</i>	Onsite

Session 2B: Smart logistics and supply chain innovations Chair: Thawee Nakrachata-amon

1	38	Development of an Optimal Product Positioning System Using Genetic Algorithm: Case Study of a Retail Warehouse <i>Panuwat Kaewsongkhla, Wanida Rattanamanee and Kunlapat Thongkaew</i>	Online
2	28	Differential Evolution for Hotel Chambermaid Scheduling Problem <i>Nutnicha Imnamkhao, Kanchana Sethanan and Thitipong Jamrus</i>	Onsite
3	46	An Economic Assessment on Two Investment Options for Bulk Sugar Dispensing Methods in The Warehouse of An Seaport Firm <i>Phatchara Sriphrabu, Chettha Chamnanlor and Rujapa Nanthapodej</i>	Onsite
4	66	AMIS for Designing Tapioca Starch Logistics Network for the Land Port of Nakhon Ratchasima Province, Thailand <i>Chakat Chueadee, Rungwasun Kraiklang, Nuchsara Kriengkarakot, Surasak Matitopatum, Satakhun Detphan, Sarinya Sirisan, Ganokgarn Jirasirilerd, Worapot Sirirak and Peerawat Luesak</i>	Onsite
5	69	A comparison between subjective and objective weighting approaches for multi-criteria decision making: A case of industrial location selection <i>Kowit Ponhan and Panitas Sureeyatanapas</i>	Onsite