

PROGRAM AT A GLANCE

Pre-conference- 29 July 2018, Sunday		Venue
07:30 – 09:00	Registration	Sheraton Hotel (Lobby)
08:00 – 16:00	Mekong Delta tour	
16:30 – 19:00	Registration	Royal Hotel Saigon (Khach san Kim Do)
18:00 – 20:00	Welcome Reception	
Day 1 of Conference- 30 July 2018, Monday		Venue
07:30 – 15:00	Registration	Sheraton Hotel Level 3
08:00 – 09:00	Opening ceremony	
09:00 – 09:40	Keynote speech 1	
09:40 – 10:00	<i>Coffee break</i>	
10:00 – 11:40	Parallel sessions I Round Table Discussion	Sheraton Hotel Level 3, Level 2
11:40 – 13:00	<i>Lunch</i>	Sheraton Hotel Level 23 (Night spot restaurant)
12:00 – 13:00	IFLS Board meeting	Sheraton Hotel Level 3 Level 2
13:00 – 15:00	Parallel sessions II	
15:00 – 15:20	<i>Coffee break</i>	
15:20 – 17:20	Parallel sessions III	
18:00 – 21:00	Banquet	Tan Cang Restaurant (Khu Du Lich Tan Cang)

PROGRAM AT A GLANCE

Day 2 of Conference- 31 July 2018, Tuesday		Venue
08:00 – 09:00	Registration	Sheraton Hotel Level 3 Level 2
09:00 – 09:40	Keynote speech 2	
09:40 – 10:00	<i>Coffee break</i>	
10:00 – 11:40	Parallel sessions IV	
11:40 – 13:00	<i>Lunch</i>	Sheraton Hotel Level 23 (Night spot restaurant)
13:30 – 17:30	City tour	

Address:

- **Sheraton Hotel:** 88 Dong Khoi St., District 1, Ho Chi Minh city
- **Royal Hotel Saigon** (Khach San Kim Do): 133 Nguyen Hue St., District 1, Ho Chi Minh city
- **Tan Cang Restaurant** (Khu Du Lich Tan Cang): A100 Ung Van Khiem St. Binh Thanh Dist, Ho Chi Minh city

Transportation

- Royal Hotel Saigon is about 5 minutes walking distant from Sheraton Hotel.
- Tan Cang Restaurant is about 30 minutes driving from Sheraton Hotel. Conference Bus is available from Sheraton Hotel to Tan Cang Restaurant for the banquet on 30th July. Pick up time is 17h20 at Sheraton lobby

CONFERENCE PROGRAMME

The 13th International Congress on Logistics and SCM Systems (ICLS 2018)

SHERATON HOTEL, July 30 – 31, 2018

Day 0, 29 July 2018

- 07.30 – 09.00 Registration (Sheraton Hotel)
- 08.00 – 16.00 Mekong Delta Tour
- 16.30 – 19.00 Registration (Royal Hotel Saigon)
- 18.00 – 20.00 Welcome Reception (Royal Hotel Saigon)

Day 1, 30 July 2018

- 07.30 – 15.00 Registration
- 08.00 – 09.00 Opening Ceremony
- 09.00 – 09.40 Keynote Speech
Professor Dylan Jones , University of Portsmouth, UK , Founding Director of the Centre of Operational Research and Logistics (CORL)
- 09.40 – 10.00 Coffee Break
- 10.00 – 11.40 Round Table Discussion (VIP.5, Level 3, Sheraton Hotel)
- 10.00 – 11.40 Parallel Sessions (1)
- 11.40 – 13.00 Lunch Break, IFLS Board Meeting (VIP.5, Level 3, Sheraton Hotel)
- 11.40 – 13.00 Lunch Break (Night Spot Hall, Level 23, Sheraton Hotel)
- 13.00 – 15.00 Parallel Sessions (2)
- 15.00 – 15.20 Coffee Break
- 15.20 – 17.20 Parallel Sessions (3)
- 18.00 – 20.00 Conference Banquet (Tan Cang Restaurant)

CONFERENCE PROGRAMME

Day 2, 31 July 2018

08.00 – 09.00 Registration

09.00 – 09.40 Keynote Speech

Professor Yale T. Herer, Israel Institute of Technology.

09.40 – 10.00 Coffee Break

10.00 – 11.40 Parallel Sessions (4)

11.40 – 13.00 Lunch Break

13.30 – 17.30 City Tour

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ICLS2018 SESSION SCHEDULE

30 JULY 20018 (DAY 1), PARALLEL SESSIONS (1)

	BallRoom 1, Level 3	BallRoom 2, Level 3	SaiGon-DaLat, Level 2	DaNang-Hue, Level 2
	<p>Big Data Analytics in Logistics. IoTs applications in SCM</p> <p>Chair:</p> <p>Big data methods for studying firm's sustainable patterns in corporate social responsibility report Authors: Tienhua Wu, Fu-Hsiang Wen, Pei-Ju Chao and Tien-Chiu Wu</p>	<p>Logistics Planning And Control</p> <p>Chair:</p> <p>A Basic Research about Daily Cost Profit Management for 3PL Business Authors: Angela Yy Chen, Yutaka Karasawa and Keizo Wakabayashi</p>	<p>Novel automation, information and data architectures on the Design Of Logistics Systems And Supply Chains</p> <p>Chair:</p> <p>CROSS-FILLING MODEL BETWEEN TWO DISTRIBUTION CENTERS Authors: Tony Sukchul Rim and Yun-Sik Jeong</p>	<p>Intelligent transportation and distribution systems: theory and application models</p> <p>Chair:</p> <p>Heterogeneous Fleet Vehicle Routing Problem with Multiple Drones Authors: Minh Hien Nguyen, Vincent F. Yu and Nguyen Ky Phuc Phan</p>
10:00-10:20				
	<p>DEMAND FORECASTING USING MACHINE LEARNING TECHNIQUES Authors: Tien Nguyen and Phuc Phan</p>	<p>MANAGING COST REDUCTION EFFORTS IN SUPPLIER ENCROACHMENT Authors: Chester Lo, Yelin Fu, Li Huang and Kin Keung Lai</p>	<p>Cell-inspired Discrete Simulation applying for Supply Chain Management Authors: Son Nguyen Hoang, Khanh Tran Xuan, Trang Nguyen Thao, Phong Ho Thanh, Quoc Ho Doan and Luong Nhieu Nhat</p>	<p>The Improved Differential Evolution Algorithm for the combination of assignment, location-allocation and vehicle routing problem: A case study in student pickup system of Warinchamrab school, Thailand. Authors: Raknoi Akkararungruengkul, Pitakaso Rapeepan and Kanchana Sethanan</p>
10:20-10:40				
	<p>Application of Machine Learning in forecasting energy usage of building design. Authors: Dan Truong Xuan and Ky Phuc Phan Nguyen</p>	<p>FORECASTING DEMAND USING TIME SERIES FOR DETERMINING OPTIMAL AGGREGATE PRODUCTION PLANNING Authors: Tam Husain, Huy Nguyen and Mai Vo</p>	<p>A Consideration on Efficiency Improvement of Delivery System at Apparel Stores in Japan Authors: Kuninori Suzuki, Kim Hyunsoo, Yutaka Kawai and Keizou Wakabayashi</p>	<p>HETEROGENEOUS FLEET VEHICLE ROUTING PROBLEM WITH TIME WINDOW AND BACKLOG ORDERS: AN ANT COLONY OPTIMIZATION APPROACH Authors: Hop Nguyen Van and Diep Tran Thi Hoang</p>
10:40-11:00				

30 JULY 20018 (DAY 1), PARALLEL SESSIONS (1)

	BallRoom 1, Level 3	BallRoom 2, Level 3	SaiGon-DaLat, Level 2	DaNang-Hue, Level 2
11:00-11:20	<p>APPLICATION OF IoT TECHNOLOGY AND INDUSTRY 3.5 IN POULTRY FARM SUPPLY CHAIN</p> <p>Authors: Chen-Fu Chien and Trang Thi Thu Tran</p>	<p>Application of Heuristic Method for Problem Assembly Line Balancing Problems Type 2 When Type of Machine Used In Each Workstation</p> <p>Authors: Ganokgarn Jirasirilerd, Rapeepan Pitakaso, Kittima Sillapasa, Tassin Srivarapongse and Kanchana Sethanan</p>	<p>ADVANCED HIGH DYNAMIC RANGE IMAGING USING A MULTI-CAMERA ARRAY</p> <p>Authors: Khanh Truong, Son Dao and Nhut Nguyen</p>	<p>Applying Forest Optimization Algorithm for Multi Depot Vehicle Routing Problem</p> <p>Authors: Vinh Truc Do and Hoang Huy Nguyen</p>
11:20-11:40	<p>Study on the commodity code system in The Department Store of Japan</p> <p>Authors: Yoshihide Ikushima, Yutaka Karasawa and Keizo Wakabayashi</p>	<p>IMPROVING DELIVERY PERFORMANCE OF ORDER FULFILLMENT IN THE OPERATION- A CASE OF SEWING MACHINE MANUFACTURE AT JUKI VIETNAM</p> <p>Authors: Phuong Nguyen and Phong Ho</p>		<p>Solving of Vehicle Routing Problem with Multiple Depots by Using Modified Differential Evolution Algorithm: The Case Study of Selling Rubber in NakhonPhanom Province</p> <p>Authors: Woraphod Saengbunrueang, Rapeepan Pitakaso and Thanchuda Phannikul</p>
11:40 – 13:00	LUNCH BREAK			

30 JULY 20018 (DAY 1), PARALLEL SESSIONS (2)

	BallRoom 1, Level 3	BallRoom 2, Level 3	SaiGon-DaLat, Level 2	DaNang-Hue, Level 2
	<p>Retail logistics and supply chains. Reverse Manufacturing and Logistics. Service supply chains Chair:</p>	<p>Intelligent transportation and distribution systems: theory and application models Chair:</p>	<p>Decision Support Systems for Logistics & SCM Chair:</p>	<p>Port, supply chain and warehouse of the future Chair:</p>
13:00-13:20	<p>LOGISTICS COST REDUCTION: A CASE STUDY OF REMY MARTIN VIETNAM Authors: Mai Quynh Vo, Hoang Ho Hong and Hoang Huy Nguyen</p>	<p>Determining the Sort-and-pick Order Picking System for Robotic Mobile Fulfillment Systems Authors: Danh Ha Thai Nguyen, Shuo-Yan Chou and Pham Kien Minh Nguyen</p>	<p>Fuzzy Analytical Hierarchical Process for Hub-Location Selection Authors: Nam Nguyen Huynh Phuong and Hop Nguyen Van</p>	<p>Improving Food Supply Chain Resilience Through Food Traceability System Authors: Mark Goh and Jing Wang</p>
13:20-13:40	<p>THE WAREHOUSE - INVENTORY - TRANSPORTATION PROBLEM IN DISTRIBUTION PLANNING. A CASE OF RETAIL COMPANY IN VIETNAM Authors: Phong Ho and Tam Vo</p>	<p>THE LOCATION ROUTING PROBLEM: A CASE STUDY IN THE RUBBER PURCHASING AREA IN NORTHEAST THAILAND Authors: Chalermchat Theeraviriya, Kanchana Sethanan, Kittima Sillapasa and Tassin Srivarapongse</p>	<p>SUPPLIER SELECTION AND ORDER ALLOCATION PROBLEM USING A TWO PHASE FUZZY MULTI-OBJECTIVE LINEAR PROBLEM PROGRAMMING Authors: Pham Phuong and Phan Phuc</p>	<p>WAREHOUSE DESIGN MODEL BY SYSTEM ENGINEERING METHOD: CASE STUDY IN A SEWING MACHINE MANUFACTURING FACTORY Authors: Thi Lai Hoang and Mai-Ha Phan</p>
13:40-14:00	<p>Collection Services for Medium and Small Size End-of-Life Consumer Electronics in South Korea Authors: Hyunsoo Kim and Jongsoo Hwang</p>	<p>DIFFERENTIAL EVOLUTION ALGORITHMS SOLVING RAW MILK TRANSPORTATION PROBLEM Authors: Peerawat Chokanat, Rapeepan Pitakaso, Kanchana Sethanan and Tassin Srivarapongse</p>	<p>A SURVEY ON SUPPLIER SELECTION CRITERIA FOR TEXTILE AND APPAREL INDUSTRY – A CASE STUDY IN VIETNAM Authors: Thi Nhu Mai Nong and Thanh Phong Ho</p>	<p>DETERMINE FUNCTIONAL AREAS AND PRODUCT ALLOCATION IN WAREHOUSE: A CASE STUDY OF CAR MANUFACTURING COMPANY Authors: Duong Vo Nhi Anh and Nguyen Tri</p>

30 JULY 20018 (DAY 1), PARALLEL SESSIONS (2)

	BallRoom 1, Level 3	BallRoom 2, Level 3	SaiGon-DaLat, Level 2	DaNang-Hue, Level 2
14:00-14:20	Reinforcement Learning for Reverse Supply Chain of End-of-life Vehicles Authors: Ky Phuc Phan	The Capacitated Vehicle Routing Problem with Time Windows Integrated with Information Management System for Cargo Delivery Service in Ho Chi Minh City Authors: Thi Yen Nhu Tran, Nhat Luong Nhieu and Huynh Tram Pham	DEA MODELS TO EVALUATE HUMAN RESOURCE ALLOCATION: KEY PERFORMANCE INDICATORS & CONTEXTUAL VARIABLES IN BANKING Authors: Phuong Nguyen Van, Nhan Hong Dang Ngoc and Hoa Trieu Doan Xuan	A Review on Green Supply Chain Network Design: Concept Modeling and Applications Authors: Anh Pham, Phong Nguyen, Hai Nguyen, Nguyen Nguyen and Phong Ho
14:20-14:40	Developing a Reverse Supply Chain Network Design for E-waste Authors: Linh Doan, Amer Yousef, Sang-Heon Lee, Phan Phuc and Tuan Doan	Carriage evaluation using electric vehicles for traveling salesman problem Authors: Haruka Ohba and Shinya Mizuno	Supplier selection using fuzzy AHP model in shoes manufacturing industry. Case study: Supplier selection for TBS company Authors: Anh Duong Vo Nhi	TRACEABILITY ISSUES IN VIETNAM FOOD SUPPLY CHAIN MANAGEMENT Authors: Thao Phuong Trinh
14:40-15:00	Pharmaceutical Supply Chain: Pharmaceutical Care Services at community pharmacies in Ho Chi Minh City, Viet Nam Authors: Khanh Quan Nguyen Huu, Thuy Khanh Thai Hong and Minh Chau Nguyen Phuc	A Combination of Assignment and Location Routing Problem: A Case Study of Tourism Planning in Chiang Rai Province Authors: Worapot Sirirak, Rapeepan Pitakaso, Kanchana Sethanan and Tassin Srivarapongse	A RANKING GENERALIZED FUZZY NUMBERS APPROACH BASED ON CENTROID AND RANK INDEX Authors: Thi Xuan Chi Ha	A heuristic algorithm with goal programming approach for the warehouse space assignment problem considering operational constraints Authors: Quynh Duong and Phuc Phan
15:00-15:20		COFFEE BREAK		

30 JULY 20018 (DAY 1), PARALLEL SESSIONS (3)

	BallRoom 1, Level 3	BallRoom 2, Level 3	SaiGon-DaLat, Level 2	DaNang-Hue, Level 2
	<p>Sustainability in logistics and supply chains</p> <p>Chair:</p> <p>SUSTAINABILITY BUSINESS CURRICULUM DEVELOPMENT FOR HIGHER EDUCATION FROM INDUSTRY NEEDS Authors: Mei-Hui Chen, Kune-Muh Tsai and Yenchun Jim Wu</p>	<p>Supply Chain Performance Assessment</p> <p>Chair:</p> <p>Determinants of Supply chain excellence Authors: Seock-Jin Hong and Hossein Najmi</p>	<p>Optimization Of Logistics & Scm Systems _1</p> <p>Chair:</p> <p>Optimization of a distribution network with genetic algorithm Authors: Thao Le and Hien Do</p>	<p>Distribution Strategies & packing management. Post Harvesting</p> <p>Chair:</p> <p>The role of value chain analysis in improving the management of sweet potato supply chain in Vinh Long Province Authors: Kieu Phan and Phong Ho</p>
15:20-15:40	<p>DEVELOPING SUPPLY CHAIN SUSTAINABILITY BEYOND THE CORPORATE SOCIAL RESPONSIBILITY INITIATIVE: FROM LEAN AND GREEN INTEGRATION APPROACH Authors: Thao Phuong Trinh</p>	<p>ENHANCING THE EFFICIENCY OF SEAFOOD SUPPLY CHAIN: In the case of HVG Vietnam Authors: Nguyen Thi Duc Nguyen, Le Thi Ngoc Chau and Atsushi Aoyama</p>	<p>SOLVING MULTI-LEVEL LOCATION-ALLOCATION PROBLEMS UNDER RISKY SITUATIONS WITH DEFFERENTIAL EVOLUTION ALGORITHM ALONG WITH LOCAL SEARCH OF CASE STUDY OF NARATHIWAT PROVINCE Authors: Chaiya Chomchalao, Kanchana Sethanan and Tassin Srivarapongse</p>	<p>Research collaboration in supply chain innovation Authors: Chih-Hung Yuan, Yenchun Wu and Kune-Muh Tsai</p>
15:40-16:00	<p>Supply chain integration - An exploration study of enterprises in Danang, Vietnam Authors: Thi Minh Hang Le and Dinh Long Tran</p>	<p>BARRIERS OF IMPLEMENTING THE QUALITY SUPPLY CHAIN MANAGEMENT AT MANUFACTURING FIRMS IN VIETNAM Authors: Nguyen Thi Duc Nguyen and Hieu Phan Thi Ngoc</p>	<p>AN APPLICATION OF OPTIMIZATION ALGORITHM TO IMPROVE ORDER PICKING PROCESS IN WAREHOUSE Authors: Giang Hoang, Huy Nguyen and Truc Do</p>	<p>Agricultural Product Supply Chain, Case Study: Pepper Baria - Vung Tau Province, Vietnam Authors: Chung Nguyen Van, Tan Ngo and Tram Tran</p>
16:00-16:20				

30 JULY 20018 (DAY 1), PARALLEL SESSIONS (3)

	BallRoom 1, Level 3	BallRoom 2, Level 3	SaiGon-DaLat, Level 2	DaNang-Hue, Level 2
16:20-16:40	<p>GREEN SUPPLY CHAIN MANAGEMENT IN ORGANIC AGRICULTURE SECTOR: A CASE STUDY IN VIETNAM FOOD SAFETY MANAGEMENT Authors: Eunsung Kim</p>	<p>MAPPING OF SUPPLY CHAIN RISKS BASED ON SCOR MODEL AND HOUSE OF RISK: A CASE STUDY WITH FISHERIES HOUSEHOLDS IN CAN THO, MEKONG DELTA Authors: Nguyen Thi Le Thuy and Vo Tran Thi Bich Chau</p>	<p>New framework to optimise the design of green leagile supply chain Authors: Thi Hong Dang Nguyen, Thi Duc Nguyen Nguyen and Thien-My Dao</p>	<p>UPSTREAM SUPPLY CHAIN COLLABORATION - A CASE STUDY IN DANANG, VIET NAM Authors: Thi Minh Hang Le and Thuy Hang Nguyen</p>
16:40-17:00	<p>How Vulnerable is the Supply Chain of Japanese Electronics Industry? Authors: Yacob Khojasteh and Yasutaka Kainuma</p>	<p>The quality of manufacturer - distributor relationship – A case of plastic industry in Vietnam Authors: Quy Vo, Thanh Phong Ho and Khoat Tran</p>	<p>Hybrid Particle Swarm Optimization (PSO) and Forest Optimization Algorithm (FOA) for Order Acceptance and Scheduling Authors: Vinh Truc Do and Hoang Huy Nguyen</p>	<p>VISION-BASED SYSTEM FOR WEIGHING, GRADING AND SORTING OF MANGO Authors: Duc Pham, Son Dao, Thong Tong and Minh Nguyen</p>
17:00-17:20				<p>Design and Analysis of Ultrasonic cashew nut cutting blade Authors: Tu Tran, Nhung Nguyen and Son Dao</p>

31 JULY 20018 (DAY 2) , PARALLEL SESSIONS (4)

	BallRoom 1, Level 3	BallRoom 2, Level 3	SaiGon-DaLat, Level 2	DaNang-Hue, Level 2
	<p>Manufacturing and Production. Logistics for Healthcare Systems</p> <p>Chair:</p>	<p>Optimization Of Logistics & Scm Systems _2</p> <p>Chair:</p>	<p>Inventory Management. Lean Logistics And Other</p> <p>Chair:</p>	
10:00-10:20	<p>Mathematical Models for Production Scheduling and Assignments Problems : A Case Study of Chicken Farm in Buriram Province Authors: Natthanan Praseeratasang, Rapeepan Pitakaso, Kittima Sillapasa, Tassin Srivarapongse and Kanchana Sethanan</p>	<p>Bi-objective optimization for facility layout problem with goal programming Authors: Quang Huy Dinh and Nguyen Ky Phuc Phan</p>	<p>A STUDY ON THE RELATIONSHIP BETWEEN INVENTORY MANAGEMENT AND VEHICLE ROUTING PROBLEM – OPTIMIZING INVENTORY – VEHICLE ROUTING COST Authors: Minh Cao and Vu Ho</p>	
10:20-10:40	<p>A Research for Reverse Silver-Stone Curve of Assembly Manufacturers with Shift Operations under Labor Law Regulation Authors: Angela Yy Chen and Yutaka Karasawa</p>	<p>USING DIFFERENTIAL EVOLUTION ALGORITHM FOR CROP PLANNING IN THE NORTHEASTERN REGION OF THAILAND Authors: Udompong Ketsripongsa, Rapeepan Pitakaso, Kanchana Sethanan and Tassin Srivarapongse</p>	<p>REVISITING SINGLE-PERIOD INVENTORY MODEL: THE CASE OF TET (LUNAR NEW YEAR) FLORISTS Authors: Tung Nguyen</p>	
10:40-11:00	<p>Mathematical Models for Production Scheduling Problems and Assignments Problems: A Case Study of Pornprasert Farm Authors: Nat Praseeratasang, Rapeepan Pitakaso, Kittima Sillapasa, Tassin Srivarapongse and Kanchana Sethanan</p>	<p>GREY WOLF OPTIMIZATION COUPLED WITH FINITE ELEMENT SIMULATION FOR MECHANICAL STRUCTURES Authors: Nhung Nguyen, Son Dao, Nhu A and Tong Phan</p>	<p>IMPROVING DISTRIBUTOR PRODUCTIVITY BY ONE-WEEK LEAN WORKSHOP APPROACH Authors: Hoang Hung Cu, Huynh Tram Pham and Anh Tuan Ho</p>	

31 JULY 20018 (DAY 2) , PARALLEL SESSIONS (4)

	BallRoom 1, Level 3	BallRoom 2, Level 3	SaiGon-DaLat, Level 2	DaNang-Hue, Level 2
11:00-11:20	Care Coordination in the Healthcare Service Delivery: An Elderly Care Perspective Authors: Gyan Prakash	Solving Multi-Stage Capacitated P-Median Problem Using Self- Adaptive Particle Swarm Optimization Authors: Phajongjit Pijitbanjong and Rapeepan Pitakaso	DESIGN OF A 3D CHOCOLATE PRINTER Authors: Thong Tong, Nhu Cao, Minh Nguyen and Son Dao	
11:20-11:40				