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A novel application of Data Envelopment Analysis to transport operations

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WEDNESDAY 9TH SEPTEMBER

11.00	Coaches from accommodation					
12.00	Buffet Lunch (JHB Lounge, Julian Hodge Building)/Registration (Julian Hodge Ground Floor)					
13.00	Opening Session (Julian Hodge Lecture Theatre)					
13.30	Plenary Keynote Speaker - Stephen Spall, Innocent Ltd. (Julian Hodge Lecture Theatre)					
14.00	Time for delegates to move to streams					
14.15	Green Logistics Chair: Tony Whiteing Room: L03	Global Supply Chain Networks Chair: Ioannis Lagoudis Room: L02	Logistics Modelling Chair: Stephen Disney Room: B21	ICT Chair: Stephen Pettit Room: Q21	Supply Chain Structures Chair: James Aitken Room: Q23	International Trade Operations Chair: Andrew Grainger Room: Q25
	Back from the future – report on Sustainable Logistics Systems 2020 <i>M. Hüge-Brodin, M. Bjorklund, C. Maack and U. Martinsen</i>	Analysis of Supply Chain Planning Centralisation for Multinational Companies <i>C. Colicchia, A. Creazza, F. Dallari and M. Mellacini</i>	A complex systems theoretical approach to understanding disruptions in supply chains using agent based modelling <i>P. Greening and C. Rutherford</i>	The support of information and communication technology (ICT) solutions to information visibility comprising road haulage and port operations <i>A. Coronado-Mondragon and C. Lalwani</i>	The potential of e-commerce distribution channels for products enabled by Rapid Manufacturing <i>D. Eyers and Y. Wang</i>	Deck Cargo: Exception and Limitation of Liability <i>S. Hodges</i>
	Shippers' ecological buying behaviour in the French Region of Picardy - a demand side analysis in logistics <i>B. Philipp and D. Militarú</i>	Global Supply Chain Management and Innovation <i>M. Shahidan and M. Netadj</i>	Investigation of disturbances in a grocery supply chain <i>V. Shukla and M. Naim</i>	ICT adoption and impact on the Italian logistics service providers' performance <i>P. Evangelista, R. Mogre, A. Perego and E. Sweeney</i>	Convergence and the Digital Content Industry: New Business Models and Supply Chain Structures for a Volatile New Digital Landscape <i>M. Francis, A. Thomas, G. Thompson and H. Rowlands</i>	Connecting the continents: historical analysis of the Bering Strait Tunnel proposal <i>J. Varcoe, I. Pasukeviciute and J. Challacombe</i>
15.15	Refreshments (JHB Lounge)					

15.45	Reverse Logistics Chair: Tom Cherrett Room: L03	Transport Operations Chair: Robert Mason Room: L02	Logistics Modelling Chair: John Dinwoodie Room: B21	ICT Chair: Pietro Evangelista Room: Q21	Lean and Agile Chair: Martin Christopher Room: Q23	Risk Management Chair: Helen Peck Room: Q25
	Identifying reverse 3PL performance critical success factors <i>A. Sharif</i>	An analysis of freight logistics requirements for the island of Ireland <i>C-M Wagner, E. Sweeney, C. Ryan and P. Evangelista</i>	Adapting the SCOR model to suit the military: a South African Example <i>W. Bean, P. Schmitz and G. Engelbrecht</i>	Extending RFID for Real-Time Distributed Information and Intelligence in e-Supply Chains <i>A. Musa, Y. Yusuf, D. Kovvuri and M. Dauda</i>	The application of time based analysis of the platelet supply chain <i>J. Dobbin, R. Wilding and S. Cotton</i>	Retail Logistics and Supply Chain Risk Management In Large-Scale Retail Trade: an Integrated Framework <i>P. Rapana</i>
	Crash Repair: re-using salvaged parts in car repair centres <i>A. Murray and J. Aitken</i>	Developing an understanding of the fuel efficiency culture in vehicle operations on a national scale <i>M. Coyle and C. Kissling</i>	Understanding the NHS Hospital Supply Chain in a Patient Choice Era <i>M. Bourlakis, F. Clear and L. Patten</i>	The role of packaging in the deployment of RFID in the Fast Moving Consumer Goods Supply Chain <i>G. Miragliotta, A. Perego and A. Tumino</i>	Moving from a Functional to a Process-based organisation – the case of a pharmaceutical company <i>F. Ward and S. O'Reilly</i>	A proposed framework for a supply chain risk assessment tool <i>R. Banomyong</i>
	Revenue Management for Multi-Recovery Options Operations with Product Substitution in the Mobile Phone Recycling Industry: a Pricing Model <i>P. Chanintrakul, A. Coronado-Mondragon and C. Lalwani</i>	Megatrends for freight transportation - faster cargo? <i>H. Kotzab, H. Unseld, S. Behrands, C. Gobbi and H. Gadhia</i>	A case-based knowledge management model facilitating a smart business network's performance <i>C. Wang, V. Reid and J. Johansen</i>	An investigation into adoption and implementation of EDI in the supply chain <i>O. Coussins, R. Wilding and T. Beston</i>	A System to Improve Logistic Antiblastic Management Inside Health Care using Lean Six Sigma Tools: The Case of the Pharmacy Department of "Policlinico Le Scotte". Siena, Italy <i>A. Chiarini</i>	Evaluating the Resilience of the European Pirelli Supply Chain <i>C. Colicchia, A. Creazza, F. Dallari and T. Rossi</i>
17.15	Coaches to accommodation					
18.30	Coaches leave to evening event					
19.30	Evening event					
22.30	Coaches to accommodation					

THURSDAY 10TH SEPTEMBER

08.00	Coaches from accommodation					
09.00	Reverse Logistics Chair: Johan Woxenius Room: L03	Transport Operations Chair: Ruth Banomyong Room: L02	Logistics Modelling Chair: Chandra Lalwani Room: B21	Humanitarian Logistics Chair: Peter Tatham Room: Q21	Lean and Agile Chair: Mark Francis Room: Q23	Risk Management Chair: Adrian Coronado-Mondragon Room: Q25
	Examining the role of the customer in facilitating reverse logistics systems in NHS Community Pharmacy in the UK <i>L. Breen and Y. Xie</i>	An assessment of the operational factors affecting rail freight sustainability in Britain <i>A. Woodburn</i>	Applying a Dynamic Control System for Container Management Decision Making <i>I. Lagoudis and M. Naim</i>	United Nations Security Resolution 1325: A Recipe for Gender Stereotyping in Humanitarian Logistics <i>G. Heaslip, M. O'Brien, J. Mangan and C. Lalwani</i>	Accident Repair: missing link in automotive lean supply chain research <i>J. Aitken and A. Harrison</i>	Efficient security management practices for supply networks – a case study in companies delivering security critical goods <i>S. Toivonen and H. Salmela</i>
	The logistics of managing hazardous waste – A case study analysis in the retail sector <i>M. Triantafyllou and T. Cherrett</i>	Multimodal Transport: The Trading Corridor between Thailand and China in the Greater Mekong Subregion <i>P. Chao and A. Beresford</i>	Comparison of kanban and basestock control policies for empty container repositioning in cyclic shipping services <i>D-P. Song and J-X. Dong</i>	On relief and supply chain similarities <i>R. Oloruntoba</i>	Supply chain segmentation: A case study of an Electrical Wholesaler <i>J. Burgess, C. Savage, W. Maden, C. Bamford and A. Slater</i>	Managing supply chains in a downturn <i>Y. Bentley and Q. He</i>
10.00	Refreshments (JHB Lounge)					
10.30	Green Logistics Chair: Alan McKinnon Room: L03	Transport Operations Chair: Ruth Banomyong Room: L02	Logistics Modelling Chair: Chin-Shan Lu Room: B21	Humanitarian Logistics Chair: Peter Tatham Room: Q21	Food Supply Chains Chair: Jack van der Vorst Room: Q23	Supplier Management Chair: Michael Bourlakis Room: Q25
	Understanding Retail Waste Logistics – Opportunities for a more sustainable approach <i>S. Maynard and T. Cherrett</i>	Open, clocked and multimodal transport networks <i>A. Oelbermann, H. Breier and C. van Dinther</i>	A scheduling model for handling equipment at a seaport container terminal company in UK <i>Y. Wu and D. Zhang</i>	Pre-positioning Networks for Humanitarian Aid Logistics <i>S. Roh and S. Pettit</i>	A Road to Nowhere? Logistics & Distribution Barriers Faced by Local Food Supply Chains <i>G Heron and D. Oglethorpe</i>	Automotive Supplier Integration from Automotive Supplier Community to Modular Consortium <i>D. Bennett and F. Klug</i>
	The impact of failed home deliveries on carbon emissions: Are collection / delivery points environmentally-friendly alternatives? <i>J. Edwards, A. McKinnon, T. Cherrett, F. McLeod and L. Song</i>	Analysis of multimodal transport alternatives between Turkey and United Kingdom <i>G. Denktas-Sakar and A. Beresford</i>	A trade-off optimisation model for Container Fulfilment <i>M. Giannakis and M. Bouka</i>	Designing post-disaster reconstruction supply chains <i>G. Kovacs, A. Matopoulos and O. Hayes</i>	Paperwork as a barrier to efficient logistics operations: importing poultry and beef from Mercosur into the European Union <i>A. Grainger</i>	Tales from the supply side: Empirical issues from the manufacturing supply chain tiers <i>J. Neu and A. Carroll</i>

11.30	Plenary Keynote Speaker – Major General Tim Cross CBE (Julian Hodge Lecture Theatre) Best Poster Award Presentation					
12.30	Buffet Lunch (JHB Lounge)					
13.30	Green Logistics Chair: Maria Huge-Brodin Room: L03	Transport Operations Chair: Michael Browne Room: L02	Logistics Modelling Chair: Christine Rutherford Room: B21	Performance Measurement Chair: Ed Sweeney Room: Q21	Food Supply Chains Chair: Barry Evans Room: Q23	Supplier Management Chair: David Bennett Room: Q25
	A Methodology for Energy Conservation in Existing Warehouses <i>J. Dhooma and P. Baker</i>	Long range transport: speeding up the cash-to-cash cycle <i>A. Holter, D. Grant, J. Ritchie and N. Shaw</i>	External economies and confidence, a way to decrease logistics costs <i>J. Juntunen and M. Juntunen</i>	Regional Logistics Capability and economic development in the Yorkshire and Humber Region <i>J. Song, T. Butcher and J. Mangan</i>	Fragile Food Supply Chains: Reacting to risks <i>A. Deep and S. Dani</i>	The Development in Building Material Retail and Its Consequences for Suppliers <i>W. Guan and J. Rehme</i>
	Analysing global energy trends in road freight transport <i>M. Piecyk and A. McKinnon</i>	Modularity in service business models and processes <i>A. Bask, M. Lipponen, M. Rajahonka and M. Tinnilä</i>	Assessment of overlapping in sortation systems <i>G. Marchet</i>	Validity of Logistics Performance Index for evaluation of national logistics competence <i>D. Kisperska-Moron</i>	Food Service Supply Chains for the UK; Fragile or Resilient? <i>H. Peck</i>	An investigation of ways to improve supply chains and supplies effectiveness, in the public transport operation of a SIDS small island developing state <i>E. Madejski and M. Marie</i>
	Decision-making processes of energy efficient supply chains – Case study of heavy industry <i>J. Rantala, E. Kallionpää and H. Kalenoja</i>	Diagnosis of ‘Extra Distance’ in the UK FMCG Primary Transport Sector <i>V. Sanchez-Rodrigues, J. Cowburn, A. Potter and M. Naim</i>	An application of quality function deployment and modularity to logistics service design <i>Y. Lin and L. Zhou</i>	The State of Logistics in South Africa: Exposure to external risks <i>J. Havenga and N. de Jager</i>	Supply Chain Risk Management: an integrated framework and a Decision Support System <i>G. Micheli, R. Mogre and A. Perego</i>	Understanding supplier rationalisation through a capability based tiering structure: A case from the NW aerospace industry <i>K. Kandadi and V. Perera</i>
15.00	Refreshments (JHB Lounge)					

15.30	Green Logistics Chair: Gyöngyi Kovacs Room: L03	Transport Operations Chair: Michael Crum Room: L02	Logistics Modelling Chair: Li Zhou Room: B21	Performance Measurement Chair: Richard Wilding Room: Q21	Supply Network Design Chair: Peter Baker Room: Q23	Port Management: Chair: Anthony Beresford Room: Q25
	Understanding Retail Supply Chains to Enable 'Greener' Logistics <i>T. Cherrett, F. McLeod, S. Maynard, A. Hickford, J. Allen and M. Browne</i>	Options for increasing transport efficiency in urban freight distribution: Do more with less <i>N. Arvidsson, J. Woxenius and C. Lamngård</i>	Model of inventory management in distribution of pharmaceutical products <i>M. Stet</i>	Supply chain performance evaluation: The case of the Greek dairy sector <i>C. Fotopoulos, M. Bourlakis and G. Maglaras</i>	The strategic role of distribution centres in Flanders <i>D. Desmet, A. Vereecke, R. Boute and L. Sys</i>	Key Operations Performance Factors on Trade and Transport Facilitation <i>L. Batista</i>
	An Evaluation of Green Supply Chain Management in Electronic Manufacturing Firms in Taiwan <i>K-C. Shang, C-S. Lu and C-C. Chang</i>	The scope for sustainable distribution and servicing in the Regent Street area of Central London <i>M. Pietrowska, M. Browne, D. Briggs, J. Richardson and I. Wainwright</i>	Inventory Optimisation Software - To What Extent can the Potential Benefits be Exploited in Different Industries? <i>R. Crompton</i>	An empirical study of the effects of supply chain uncertainty on collaborative strategy, structure and firm's performance <i>P. Puttibancharoensri and N. Supatn</i>	Deciding locations of logistics centres in supply chains considering both quantitative and qualitative factors <i>A.S. Tasan and O. Tuna</i>	Supply Chain Integration and Orientation of Ports and the Impact on Port Performance <i>S-H. Woo and S. Pettit</i>
	Measuring energy efficiency in supply chain management <i>H. Kalenoja, E. Kallionpää and J. Rantala</i>	Modelling the impacts of shared freight-public transport lanes in urban centres <i>F. McLeod and T. Cherrett</i>	The Bootstrap Forecast: A 'one size fits all' solution? <i>R. Woolford and C. Rutherford</i>	e-Supply chain management performances <i>F. Michelino, F. Bianco and M. Caputo</i>	Logistics and Land: the Changing Land Use Requirements of Logistical Activity <i>A. McKinnon</i>	Assessing the environmental impact of maritime operations in smaller ports: A systems approach <i>J. Dinwoodie, H. Knowles, S. Tuck and J. Benhin</i>
17.00	Coaches to accommodation					
18.30	Coaches leave to evening event					
19.00	Evening event					
22.30	Coaches to accommodation					

FRIDAY 11TH SEPTEMBER

08.00	Coaches from accommodation					
09.15	Green Logistics Chair: Dong-Ping Song Room: L03	Sourcing Strategies Chair: David Grant Room: L02	Logistics Education Chair: John Mangan Room: B21	Performance Measurement Chair: Marc Lambrecht Room: Q21	Relationship Management Chair: Anu Bask Room: Q23	
	Measuring the Environmental Impact of Automotive Supply Chains: an Operations Management Approach <i>A. Choi, P. Nieuwenhuis and A. Beresford</i>	The Determinants and Impact of Outsourcing on Airlines Performance <i>M. Tayeb, K. Pawar and R. Ramanathan</i>	A logistics skills audit for South Africa – guiding training and development curricula <i>J. Havenga</i>	A novel application of Data Envelopment Analysis to transport operations <i>H.P.B. Virtos, W. Maden, C. Savage and A. Slater</i>	Exploring the Challenges Surrounding the Management of Triadic Inter-Organizational Relationships in Supply Networks <i>R. Mason and L. Purvis</i>	
	Method for assessing the carbon footprint of maritime freight transport: European case study and results <i>J. Leonardi and M. Browne</i>	Strategic Sourcing – from strategic models to practical experiences <i>L. Enarsson</i>	Evaluating logistics skill requirements in international logistics services <i>C-S. Lu</i>	Assessing the selection of 3PL provider in Beijing Olympics suppliers <i>L. Zhou, Y. Lin and P. Ieromonachou</i>	Demand-Supply Chain Synchronization in the Finnish Machinery Industry <i>A-M. Hietajärvi, E. Salmela, A. Happonen and J. Hemilä</i>	
	Carbon Auditing the “Last Mile”: Modelling the Environment Impacts of Conventional and Online Non-food Shopping <i>J. Edwards, A. McKinnon and S. Cullinane</i>	Impact of Service Quality on Outsourcing Relationship Continuity <i>J. Juga, J. Jountunen and D. Grant</i>	Logistic Skills and Performance in the “for profit” and “not for profit” sectors <i>P. Tatham and G. Kovacs</i>	Performance Measures for Combat Ready Forces in the Military <i>G. Engelbrecht, P. Schmitz and W. Bean</i>	Retail relationship choices for the credit crunch <i>K. Jackson</i>	
	Supply Chain Sustainability and Risk - A Best Practice Assessment Tool <i>A. Braithwaite, J. Hammant, D. Knivett and P. Farrell</i>	Evidence that Support the Development of a Hybrid Culture between Western Buyers and Chinese Suppliers <i>F. Jia</i>		Revisiting activity sampling: A fresh look at binomial proportion confidence intervals <i>S. Disney</i>	The Criticality of Adoption Drivers for E-marketplace in German Chemical Industry <i>S. Pandian and D. Ring</i>	
11.15	Refreshments (JHB Lounge)					
11.45	Plenary Keynote Speaker – Jeremy Davidson, NYK Logistics Europe (Julian Hodge Lecture Theatre)					
12.30	Closing Session, including Best Paper Award presentation					
13.00	Buffet Lunch (JHB Lounge)					

POSTER PAPERS

The following posters are available to view in the entrance to the Julian Hodge Building throughout the conference:

- Integrated logistics development for sustainability and competitiveness *N. Arvidsson, M. Bernin, F. Börjesson, I. Insanic, S. Rogerson and V. Santén*
- Key Operations Performance Factors on Trade and Transport Facilitation *L. Batista **
- Examining the role of the customer in facilitating reverse logistics systems in NHS Community Pharmacy in the UK *L. Breen and Y. Xie **
- Stochastic models for supply chain vulnerability: Insights from a systematic literature review *C. Colicchia, A. Creazza and F. Strozzi*
- An exploration of blood and blood component demand drivers in England *J. Dobbin, R. Wilding and S. Cotton*
- Risk and security in supply chains *L. Enarsson*
- Retail relationship choices for the credit crunch *K. Jackson **
- World-leading retailers in eco-transition? An empirical evaluation of environmental SCM-initiatives of world-leading retailers *H. Kotzab, H. Matre and H. Gadhia*
- An application of quality function deployment and modularity to logistics service design *Y. Lin and L. Zhou **
- Performance assessment of pick-and-pass systems: A case study *G. Marchet, M. Melacini and S. Perotti*
- Asymmetries in the supply chain management processes and their influence in the case of collaborative agreements in virtual environments *M. Marek*
- Today's challenges in fostering greener logistics systems *U. Martinsen, C. Maack, M. Björklund and M. Hüge-Brodin*
- Developing a new method for measuring cycle time in grocery supply chains *R. Mason, B. Evans and K. Zokaei*
- Tales from the supply side: Empirical issues from the manufacturing supply chain tiers *J. Neu and A. Carroll **
- The influence of urban traffic on freight distribution *M. Stet*
- Deciding locations of logistics centres in supply chains considering both quantitative and qualitative factors *A.S. Tasan and O. Tuna **
- Identifying sources of vulnerability and redesign strategies in the meat supply chain *J. Vlajic, J. van der Vorst and R. Haijema*
- The volatile and fragile plastic recycling supply chain: A case study *C.Y. Wong*

Those papers marked with an asterisk (*) have also been invited to give full presentations at the conference in order to provide a full programme.