

# Operations and Supply Chain Research Newsletter

1 January–31 March 2020

## Grants / Awards / Recognitions

**Jo Meehan** is part of a team that is awarded £35.5K for the 24 month project “Responding to the COVID-19 economic (after)shocks: Developing learning and resources to strengthen the resilience of the Liverpool City Region economy” by the Emergency Research Fund as part of the NIHR Health Protection Research Unit in Emerging and Zoonotic Infections (HPRU EZI) and the Centre of Excellence in Infectious Diseases Research (CEIDR). Jo is leading one of the project's workstreams around rebuilding a fairer economic system and the role of procurement, and supply chains.



**Hugo Lam** is awarded a Leverhulme Research Fellowship with a value of £46.5K over 12 months, which will enable him to conduct research on “Stock Market Reaction to Slavery Issues in Supply Chains: The Role of Regulation”, which will explore the interplay among public policy, supply chain management, and financial market. It will look at how the introduction of a new regulation will change investors' perception of and thus their reaction to some relevant events occurring in firms' supply chains. Empirically, it will take advantage of a recent regulation introduced in the UK, The Modern Slavery Act 2015, and investigate how this Act will affect stock market reaction to slavery issues occurring in UK firms' international supply chains.



**Tolga Bektaş** is part of a team that is awarded funding by Innovate UK for the project “SCALE: Soft Computing to Accelerate fulfilment & Logistics Efficiency”, designed to significantly improve last-mile logistics efficiency and productivity, by increasing delivery speed whilst reducing cost and emissions. Led by Darwin Evolution Technologies (trading under the brand name “Bezos”), the total value of the project is just under £950K, with ULMS receiving £189K. Together with a postdoctoral fellow, Tolga will be providing input on logistics network optimisation.



## Impact

On the fifth anniversary of the Modern Slavery Act (2015), the UK government has issued its own modern slavery statement, forwarded by the Prime Minister. The government's ambition is to be a world leader in tackling this issue and this statement is believed to be a world first by a government. The University of Liverpool is mentioned specifically (the only University mentioned) ... recognising work undertaken over the last two years between **Bruce Pinnington** and **Jo Meehan** with the Crown Commercial Service and the Home Office. The statement specifically recognises a ULMS621 summer project that we ran with two MSc students last summer: <https://www.edie.net/news/7/UK-Government-publishes-statement-to-tackle-modern-slavery-across-its-supply-chain/>

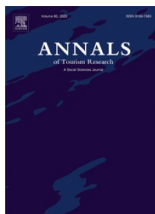
## Journal Papers (Accepted or Published)



Choi, T. M., & **Guo, S.** (2020). Is a ‘free lunch’ a good lunch? The performance of zero wholesale price-based supply-chain contracts. *European Journal of Operational Research* (In press).



Choi, T. M., **Guo, S.**, Liu, N., & Shi, X. (2020). Optimal pricing in on-demand-service-platform-operations with hired agents and risk-sensitive customers in the blockchain era. *European Journal of Operational Research* (In press)



Hunter-Jones, P., Sudbury-Riley, L., Al-Abdin, A., **Menzies, L.**, & Neary, K. (2020). When a child is sick: The role of social tourism in palliative and end-of-life care. *Annals of Tourism Research* 83, 102900.



Johnsen, R. E., Lacoste, S., & **Meehan, J.** (2020). Hegemony in asymmetric customer-supplier relationships. *Industrial Marketing Management* (In press).



Lezoche, M., **Hernandez, J.**, Diaz, M. D. M. A., Panetto, H., & Kacprzyk, J. (2020). Agri-food 4.0: a survey of the supply chains and technologies for the future agriculture. *Computers in Industry* 117: 103187.



Nagendra, N.P., **Narayanamurthy, G.**, & Moser, R. (2020). Management of Humanitarian Relief Operations using Satellite Big Data Analytics: The Case of Kerala Floods. *Annals of Operations Research* (In press).



Tortorella, G. L., Fogliatto, F., Espôsto, K. F., Cawley, A. M., Vassolo, R., Tlapa, D., & **Narayanamurthy, G.** (2020). Effects of contingencies on Healthcare 4.0 technologies adoption and barriers in emerging economies. *Technological Forecasting and Social Change* (In press).



Yiu, L.M.D., **Lam, H.K.S.**, Yeung, A.C.L., Cheng, T.C.E. (2020). Enhancing the Financial Returns of R&D Investments through Operations Management. *Production and Operations Management* (In press).



Wei, L. Y. & **Misopoulos, F.** (2020). Integrating Sustainability in Project Management: Implications in Manufacturing Industry. *International Journal of Business and Administrative Studies*, 6(1), pp. 31-50.



Zheng, W., Huang, H. F., **Song, D.P.**, & Li, B. (2020). Optimal CSR and Pricing Decisions with Risk-averse Providers in a Competitive Shipping System. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, (accepted). doi:10.1109/TSMC.2019.2958376.



**Bektaş, T.**, Hamzadayı, A., & Ruiz, R. (2020). Benders decomposition for the mixed no-idle permutation flowshop scheduling problem. *Journal of Scheduling* (In press).

## Departmental Seminars

27 February 2020: Dr Wee Meng Yeo, Adam Smith Business School, University of Glasgow, “An Operational Form of Bundling”.

5 March 2020, Professor Enno Siemsen Erdman Center for Operations and Technology Management, Wisconsin School of Business, “Seeing the Bigger Picture? Ramping-up Production with the Use of Augmented Reality”, and a workshop on “Behavioural experiments in Operations Management”.

## Conference Attendance or Presentations

**Meehan, J., Pinnington, B., Kennedy, O.**, Benstead, A. Ethical Trade Initiative on the ETI's modern slavery indicators, 7th EurOMA Sustainable Operations and Supply Chain Forum, University of Nottingham, UK 10th–12th February 2020.

## Events

**Jo Meehan** delivered a workshop in February for BAM's SCM and OM SIG on developing impactful research for ECRs.

**Jo Meehan** facilitated a workshop led by Dr Anne Touboullic and Dr Alex Trautrimis (Nottingham Uni) for ECR's at the Euroma Sustainability forum looking at methods and publishing strategies for 'researcher activism' around the circular economy and sustainable supply chains.

## PhD Students (New / Completed)

**Mr Lais Wehbi** started his PhD in January 2020 in the area of city logistics, supervised by **Tolga Bektaş** and **Cagatay Iris**.