

5th Annual Supply Chain & Logistics Management Workshop



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Managing Supply Chains in Times of Disruption and Ambiguity December 11, 2020; 10:00–13:30 (Atlantic Time, GMT-4; online)

Massive disruptions like pandemics and uncertainties around them once more proved the life-saving role of supply chain and logistics management (SC&LM). More than ever, it is now crucial to probe assumptions and ask: *For a “better new normal” with sustainability imperatives front and centre, how can we optimize supply chain performance in times of ambiguity?*

A flagship event of the Rowe School of Business, sponsored by CRSSCA (Centre for Research in Sustainable Supply Chain Analytics), and organized by Dr. M. Ali Ülkü, this series of annual SC&LM workshops not only brings in distinguished academics and industry leaders to share their knowledge on the latest trends and cutting-edge research and best practices in SC&LM but also provides an excellent opportunity to cross-pollinate ideas and network with academics, practitioners and students in a highly collegial environment.

Due to COVID-19, SC&LM 2020 workshop will be held as an online webinar. There is no registration fee, but a limit on the total number of participants. To register, go to tinyurl.com/sclm2020-register and please make sure to enter your full name (as you would like it to appear on the certificate of attendance), along with other information requested.

Program

10:00-10:05	Welcome Speech by Dr. Kimberley Brooks , Professor & Dean of the Faculty of Management
10:05-10:10	Introduction to Workshop by Dr. M. Ali Ülkü , Professor & Director of CRSSCA
10:10-10:30 Talk #1	Dr. Emre Çelebi , Assistant Professor of Industrial Engineering, Yeditepe University, Turkey <i>Pathways for Supply Chains in Energy Transition</i>
10:30-10:50 Talk #2	Dr. Juliana Hsuan , Professor, Copenhagen Business School, Denmark <i>Supply Chains and Modularity: Implications for Sustainability</i>
10:50-11:00	Coffee Break
11:00-11:20 Talk #3	Dr. Ana Paula Barbosa-Póvoa , Professor, CEG-IST, Universidade de Lisboa, Portugal <i>Design and Planning Supply Chain considering Sustainability Goals</i>
11:20-11:40 Talk #4	Dr. Samir Elhedhli , Professor, Management Sciences, University of Waterloo, Canada <i>Supply Chain Analytics: Data-Driven Modelling and Optimization for Warehouse Operations</i>
11:40-12:00	Panel Discussion with Invited Speakers
12:00-12:10	Break
12:10-13:10	Finalists for Best Student Research Presentations [1] <i>An optimization approach for green resilient supply chain</i> , by João Pires Ribeiro [2] <i>Pricing and production decisions in a dual-channel CLSC with (re)manufacturing</i> , by Zhuojun Liu [3] <i>The impact of pooling on the office products supply chain</i> , by Hozefa M. Ajmerwala [4] <i>Supply planning for PPE procurement in Nova Scotia</i> , by Cecil Ash
13:10-13:15	Break
13:15-13:30	Announcement of Awards & Closing Remarks by Dr. M. Ali Ülkü

Invited Speakers

Dr. Ana Paula Barbosa-Póvoa is a full professor in Operations and Logistics at the Engineering and Management Department of Instituto Superior Técnico (IST), University of Lisbon. She holds a Ph.D. from Imperial College of Science Technology and Medicine, and her research focus is on developing a comprehensive understanding of complex problems in supply chains and operations management, supported by novel and sound engineering systems models and techniques. Sustainability, resilience, uncertainty and risk in the design and planning of supply chains are among the main research-addressed domains. Ana has created and coordinates the research group in Operations Management and Logistics (OpLog) at the Centre for Management Studies of IST. Her research has led to several national and international awards. She has recently received the honour of being considered the best researcher in Industrial Management at the University of Lisbon. She is an editor of the journal *Computers and Chemical Engineering* and a member of several editorial boards, namely the *European Journal of Operational Research*, *International Journal of Production Economics*, *TOP* and *Operations Research Perspectives*. She is a founding member of the Euro Working Group in Sustainable Supply Chains of the European Association of Operational Research, where she is currently part of the coordination team, and a member of the Euro Working Group on Retail, and the Euro Working Group on Location and Analysis. She serves on the events sub-committee of the EURO WISDOM Forum.



Dr. Emre Çelebi received his BSc degree in Management Engineering from Istanbul Technical University, Turkey, in 2001. He earned his MSc and Ph.D. degrees in management sciences from the University of Waterloo, ON, Canada, in 2006 and 2011, respectively. Later, he joined Kadir Has University, Center for Energy and Sustainable Development in Istanbul, Turkey. He was actively involved in EU Horizon and national projects on energy transition and modelling. Currently, he is an assistant professor at the Industrial Engineering Department, Yeditepe University, Istanbul. His research interests include models of energy markets, supply chain design/management problems, large-scale optimization/equilibrium problems and algorithms for their solution. His recent research is in regional energy hubs, co-optimization of transmission/generation investments with market equilibrium models in electricity markets and open-source energy models & data. He has published in leading journals such as *Energy Policy*, *European Journal of Operational Research*, *IIIE Transactions* and *Transportation Science*.



Dr. Samir Elhedhli is a professor at the Department of Management Sciences at the University of Waterloo with research interests in Large Scale Optimization and Data Analytics. His work has appeared in top scientific journals such as *Management Science*, *Mathematical Programming*, *Manufacturing and Service Operations Management*, *INFORMS Journal on Computing*, *IIE Transactions* and the *European Journal of Operational Research* among others. He held research grants from NSERC, CFI, OCE and MITACS and collaborated with industries in aircraft manufacturing, airline scheduling and supply chain analytics. Dr. Elhedhli served as president of the Canadian Operational Research Society (CORS) in 2011–2012. He is currently co-Editor-in-Chief of its flagship journal *INFOR*. He received the CORS Service Award in 2013 and the University of Waterloo's distinguished/outstanding performance awards in 2005, 2006, 2007, 2009, 2012, 2015, 2018 and 2019.



Dr. Juliana Hsuan is a professor of Operations Management & Supply Chain Management at Copenhagen Business School (CBS). She is Concentration Coordinator of CBS MSc in Supply Chain Management and the co-leader of CBS Research in the Servitize.dk project. Her teaching and research interests include (service) operations management, (reverse) SCM, servitization, innovation management, modularity, mass customization and portfolio management of R&D projects. Juliana was an automotive design engineer with Motorola USA before joining academia. She has served on the board of prominent academic associations, including EurOMA and INFORMS TIMES. Dr. Hsuan has published in leading academic journals, including *IJOPM*, *DSJ*, *JPIM*, *IEEE TEM*, *Journal of Cleaner Production*, *Technovation*, *R&D Management*, *SCMIJ* and others. She is the co-author of two textbooks: *Managing the Global Supply Chain*, published by CBS Press, and *Operations Management*, 2nd edition, published by McGraw-Hill.



Workshop Organizer and Chair

Dr. M. Ali Ülkü is a full professor and the Director of the Centre for Research in Sustainable Supply Chain Analytics (CRSSCA), in the Rowe School of Business at Dalhousie University, Canada. Dr. Ülkü's writings include the theoretical modelling of sustainable supply chain and logistics systems, operations-marketing interface, and mathematical modelling of consumer behaviour and societal problems. He has published in such leading scholarly journals as *European Journal of Operational Research*, *International Journal of Production Economics*, *Journal of Business Research*, *Journal of Cleaner Production* and *Service Science*. He has taught at various universities in Canada, Turkey and the USA. Dr. Ülkü is honoured to have received the university-wide 2007 *Exceptional Teaching Award* at the University of Waterloo and the 2019 *Distinguished Professor Award* from the Industrial Engineering and Operations Management Society. His co-edited book, *Big Data Analytics in Supply Chain Management: Theory and Applications*, was recently published by CRC Press.



About CRSSCA (www.dal.ca/crssca)

The mission of the Centre for Research in Sustainable Supply Chain Analytics (CRSSCA) is to provide big data-driven, innovative and analytical solutions to, and to disseminate scholarly knowledge in the understanding of, complex modern global supply chain problems through the lens of sustainability (economic, environmental, social and cultural). Housed in the Rowe School of Business, Dalhousie University, CRSSCA is the supply chain research hub in Eastern Canada. CRSSCA fosters interdisciplinary research that sheds light on complex issues in supply chain management. Keeping sustainability imperatives front and centre, CRSSCA creates new knowledge in prescribing solution models for data-driven industrial problems, devises analytical tools for better decision-making and develops insights into the intricate relationships between supply chain operations, green logistics (global trade, inventory, process and product design, procurement, manufacturing, transportation) and sustainable consumption. A member of the Network for Business Sustainability, CRSSCA supports the SC&LM Major in the Bachelor of Commerce program at Dalhousie University and supply chain case competitions.