



Séminaire conjoint Département OSD et CIRRELT

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ON THE MANAGEMENT OF LOW CARBON SUPPLY CHAIN: CONCEPTUAL MODEL AND QUANTITATIVE MODELING

Abstract: The activities of supply chains are among the main sources of carbon emissions to the atmosphere. Consequently, governments and conscientious customers are exerting external pressures on companies to push them to reconsider their supply chain design and management decisions to reduce their carbon emissions. Companies are then seeking decision support tools to help them take optimal decisions in order to align with their stakeholders' pressures and remain competitive under these environmental challenges. Under this optic, many quantitative models have been developed within the Operation Management and Operation research literature, which have studied different logistic decisions that firms can consider to efficiently respond to carbon emissions constraints.

In this conference we provide participants with an overview of the key features of the low carbon supply chain management to enable them understand the challenges of modeling such problems using quantitative modeling and optimization models. Some developed low carbon supply chain design models within our research projects will be presented and explained while highlighting the literature gaps and the interesting perspectives for future projects.

Biography: Professor Amina Chelly is currently an assistant professor of Industrial Engineering at the High Institute of Transport and Logistics of Sousse (ISTLS), Tunisia and the National Engineering School of Tunis (ENIT), Tunisia. She is a member of the laboratory Optimization and Analysis of Service and Industrial Systems (OASIS) since 2016. She received her PhD degree in Industrial Engineering from Grenoble INP and ENIT in 2019. Her teaching and research interests include the green supply chain management, the supply chain design considering carbon emission constraints and the agri-business supply chain management.

N.B. : Le séminaire sera présenté en anglais.

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26 JUIN 2024
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Université Laval
Pavillon Palasis-Prince
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Ouvert à tous

Café et viennoiseries

Responsable :
Monia Rekik