

Full Programme

Saturday 29 June
2024

Sunday, 30 June
2024

Monday, 01 July
2024

Tuesday, 02 July
2024

Wednesday, 03 July
2024

Thursday, 04 July
2024

Conference Agenda

Overview and details of the sessions of this conference. Please select a date or location to show only sessions at that day or location. Please select a single session for detailed view (with abstracts and downloads if available).

Authors

gualandris

Presentations including 'gualandris'

4:00pm - 4:30pm

Designing Climate-Smart Circular Supply Chains: A Life Cycle Assessment Perspective

Sourabh Jain¹, Jury Gualandris²

¹Ivey Business School, Western University, Canada; ²Ivey Business School, Western University, Canada

Circular supply chains (CSCs) recovering and valorizing materials involve steps, such as collection, transportation, and processing to avoid virgin production, which generate environmental costs. Therefore, CSCs, under certain configurations, could perform worse than linear systems. We consider multiple discard streams (DMS) from three Canadian sectors and use life cycle assessment to explore 'When and how do CSCs generate net-negative carbon emissions?' While real-world CSCs produced net-negative carbon impacts, suboptimal configurations could produce net-positive (increase) carbon impacts compared to linear system. The key factors for designing carbon-negative CSCs include distance, transportation mode, energy intensity, and the relative quality of valorized materials.

Session Details:

4.04 Circular Economy and Sustainable Operations and Supply Chain Management

Time: 02/July/2024: 3:00pm-4:30pm · Location: 103B - University Building

2:30pm - 3:00pm

When can firms close material flows? Drivers of Inter-Organizational Agility and Adaptability in the Circular Economy

Jury Gualandris¹, Alice Madonna²

¹Ivey Business School, Western University; ²University of Bergamo

Business to business waste exchanges are still a puzzle in the literature. Even firms that are willing to become circular by selling and (or) purchasing other firms' by-products or surplus struggle to be successful. Indeed, the introduction of waste materials into a firm's operations entails several elements of variety that not all organizations are agile enough to absorb, or adaptable enough to acquire the necessary resources to accommodate. The objective of this work is to explore why identified synergies get successfully completed and sustained over time into a buyer-supplier dyad and the operations thereof.

Session Details:

8.04 Circular Economy and Sustainable Operations and Supply Chain Management

Time: 03/July/2024: 2:00pm-3:30pm · Location: 103A - University Building