

— Call for Presentations —

A Session on

Greening the Supply Chain: Paths to Energy Efficiency

INFORMS 2024: Energy Natural Resources & Environment (ENRE) Section

October 20-23, 2024 | Seattle, Washington

Technical Focus:

In the rapidly evolving global market, the strategic design and management of supply chain networks are crucial for managing energy efficiency, enhancing resilience, and ensuring economic viability across all sectors. This includes both manufacturing sectors and humanitarian supply chains. As businesses strive for sustainability amidst heightened competition for resources and mounting pressure in energy management, the adoption of energy-efficient practices and the incorporation of cleaner energy sources within supply chain operations have never been more critical. Therefore, this session aims to explore new approaches or frameworks that not only enhance productivity and bolster resilience but also make a significant contribution to the overarching goals of energy efficiency. Studies focused on planning, coordination, and optimization strategies that align with these objectives from a comprehensive viewpoint are welcomed. This call invites researchers and practitioners to share innovative insights into achieving energy efficiency within the supply chain, thereby contributing to a sustainable future.

Some example topics of interest are identified below:

- Novel Supply Chain Network Design for Enhanced Energy Efficiency and Productivity
- Incorporation of Cleaner Energy Sources to Enhance Resilience and Decarbonization
- Methods to Mitigate Energy Shortage Disruptions at Supply Chain Level
- Advanced Approaches and Practical Implications for Supply Chain Management
- Policy Implications for Energy Efficiency Management
- Life Cycle Assessment of efficiency-driven Supply Chain Operations
- Renewable Energy Integration in Supply Chain Facilities
- Machine Learning Innovations for Energy Management

Important Date:

May 15: Deadline for speakers to submit abstracts

August 1: Deadline for speakers' registration

August 21: Deadline for abstract edition

Organizers:

Dr. Jing (Julia) Zhao, Penn State University, The Behrend College, Erie, PA; jqz5665@psu.edu

Dr. Muyue Han, North Carolina A&T State University, Greensboro, NC; mhan@ncat.edu