

1. Session Title:

Ripple effect management for the supply chain

2. Description

The COVID-19 pandemic has caused a great impact on the supply chain, and its impact has spread throughout the supply chain. The phenomenon that disruption propagations caused by disruption events in the supply chain is called as the ripple effect. The ripple effect has an extremely negative impact on the supply chain system, and how to effectively manage the ripple effect needs to be solved urgently. Recently, the ripple effect has received widespread attention from scholars and practitioners. In view of the characteristics of the ripple effect, different research methods have been introduced. The scope of this session is to aid decision-making of ripple effect management for the supply chain. Researchers who are interested in this session can contribute related research papers including but not limited to the following objectives and scopes:

1. Describe and analyze the disruption propagation in supply chains under different stages of the ripple effect.
2. Plan and deploy recovery policies under ripple effects.
3. Dynamic control and intervention aiming at the multi-echelon supply chain under ripple effects
4. Adjust supply relationship under ripple effects.
5. Establish novel mathematical model, tools, theories, and perspective for the ripple effect management.
6. Summarize the enlightenment for the ripple effect management.

3. Organizers and Affiliations

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4. Expected number of papers:

6 papers