

**Open Invited Track on “Predictive analytics & Decision making in Supply Chains”
for IFAC MIM 2019**

Track Chairs:

Prof. Dr. Elyn L. Solano-Charris, Universidad de La Sabana, Colombia

Prof. Dr. Jairo R. Montoya-Torres, Universidad de La Sabana, Colombia

Prof. Dr. Carlos L. Quintero-Araújo, Universidad de La Sabana, Colombia

Prof. Dr. Christopher Mejía Argueta, MIT Center for transportation & Logistics, USA

Prof. Dr. Thierry Coudert, École national d’ingénieurs de Tarbes, France

Prof. Dr. Lionel Amodeo, Université de Technologie de Troyes, France

Predictive analytics looks to the future and informs decision-making in real time. This approach uses different techniques such as data mining, statistical modeling, and machine learning. The objective is to help organizations for taking decisions in supply chains and forecast outcomes.

In this track, we invite contributions in both theoretical and industrial developments of predictive analytical techniques for decision making in Supply Chains. The topics of interest include but are not limited to:

- Data science in logistics and supply chain management
- Using big data in supply chain network design
- Predictive Demand Forecast
- Predictive Supply Chain disruptions
- Supply chain coordination mechanisms supported by big data
- Robust supply chain risk modeling using big data and predictive analytics
- Dynamic supply chains using big data and predictive analytics
- Exploring behavioral supply chains design theory using big data and predictive analytics
- Supply Chain agility, adaptability and alignment based on predictive analytics
- Collaborative supply chains based on data analytics
- Inventory predictions using machine learning techniques
- Predictive traffic congestion for urban distribution logistics
- Optimizing supply chains and distribution logistics

- Hybrid Algorithms for logistics and supply chain management using big data
- Ethical issues in supply chains using big data

Submission:

For author guidelines, please refer to <https://blog.hwr-berlin.de/mim2019/submission/>. All papers must be submitted via the IFAC platform at the following address: <http://ifac.papercept.net/conferences/scripts/start.pl>. All papers must be prepared in a two-column format in accordance with the IFAC manuscript style. Please use the official IFAC instructions and template to prepare your contribution as full-length draft paper and submit it online by December 15th, 2018.

Submission details are available on the symposium website. All submissions must be written in English. All papers that conform to submission guidelines will be peer-reviewed by IPC members. The corresponding author submits the paper online (pdf format) as an invited session paper. Submission as an invited paper requires to use the following invited session code **XXXX**.