



## MIM 2019

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**August 28-30, 2019**

**Berlin, Germany**

### Data-driven Collaboration in Industrial Supply Chains

#### Proposed by:

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**Aim & scope of the session:** The digitalization initiated by Industry 4.0 has promoted data as a central focus for industrial supply chain actors. Simultaneously, there is a growing interest in collaboration within manufacturing and distribution systems, with the objective to improve the utilization of resources available. An efficient coordination implies that the different actors, who sometimes are also competitors, disclose and share data to improve global supply chain performance. This brings out contradictory incentives in which industrials have to ponder the amount and type of data to share to make maximum benefits from the collaboration without jeopardizing their position by disclosing strategic information to their competitors. The contradiction between efficient coordination and privacy is the main issue which will be discussed in this session. Specifically, new results and discussions on the design of data-sharing mechanisms such that the optimization of the system is distributed among the multiple actors in such a way that the shared information turns into value from improved operations will be considered.

**Keywords:** Collaborative supply chain, Optimization, Data sharing.

#### Submission:

For author guidelines, please refer to [www.ifac-control.org](http://www.ifac-control.org). All papers must be submitted electronically using *PaperPlaza Conference Manuscript Management System*:

<https://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. 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.

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Proposal 115 submitted to 9th IFAC Conference on Manufacturing Modelling, Management and Control. Received November 24, 2018.



**Important dates:**

- ✓ December 15, 2018 : Deadline for the submission
- ✓ February 20, 2019 : Notification of acceptance/rejection
- ✓ March 15, 2019 : Deadline for the final submission

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