

Supply Chain

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Partners:  **Air Liquide**

L'ORÉAL

 **SAFRAN**



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KEYWORDS:

Inventory management
Decision making in uncertainty & agility
Data analytics
Optimization & performance evaluation

Research

The Supply Chain chair includes in a unique partnership with several major companies. The supply chain chair was launched in 2008 with a first phase from 2008 to 2013, renewed in 2014 for a second season until 2018 (with Carrefour, LVMH, Safran and Sanofi as partners) and again renewed in 2019 for a third season until 2023 with Air Liquide, L'Oréal and Safran as partners.

The goal of this chair is threefold:

- Develop research and innovation in supply chain,
- Develop skills of managers and best practices in the four companies,
- Stimulate the interests of CentraleSupélec students for supply chain careers.

Among the topics addressed by the Supply Chain Chair

- Multi-echelon supply chains: how to efficiently manage supply chains with partial information and reverse flows
- Dynamic flow models of supply chains with risks: how to simulate and optimize the behavior of a supply chain to maximize the chance of meeting the customer due date in the context of various uncertainties regarding the duration of activities
- Agility and resilience in supply chains: how to make supply chains more agile and resilient to cope with uncertain situations,
- Supply chain and enterprise performance: how to put forward the key role of supply chain in the financial and environmental performance of companies
- Supply Chain and data analytics: how to use new data science techniques to optimize supply chain decision making