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## Sabrina Berbain

Department: **Management**  
Professor in **Supply Chain Management**  
Faculty Position: **Associate Professor**

**Sabrina Berbain** is a Professor at the ISG International Business School. She holds a Ph.D. in Computer Sciences and she is specialized in the field of Operations Research.

- Her areas of publication are **Supply Chain Management, Additive Manufacturing (3D Printing) and Urban Traffic Control**
- Her teaching specializations concern **Supply Chain Management, Production Management and Operations Research.**
- She is responsible for **Supply Chain Management Course**

### Teaching Areas

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Course 1: **Supply Chain Management**

Course 2: **Transportation Management**

### Research Interests

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Interest 1: **Supply Chain Organization for Additive Manufacturing, 3D Printing**

Interest 2: **Urban Traffic Control for traffic signals**

Interest 3: **Mixed Integer Linear Programming**

### Education

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2000

PhD in Computer Science, Paris-Dauphine University, France, "**A New Approach of Real-Time Optimization of Traffic Signals of Complex Intersection by Mixed Integer Linear Programming**"

## Teaching Experiences

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### 2008-Present

-Adjunct Professor of Production Management at Paris-Dauphine University

### 2005 -2010, 2012, 2014

-Adjunct Professor of Supply Chain Management at HEC Paris

### 1999-2007

-Adjunct Professor of Operations Research at Paris-Dauphine University

## Other Professional Experiences

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### 2000-2006

-Supply Chain Consultant, Diagma International, France

### 1994-1995

-Database Management, Schlumberger Wireline & testing, France

### 1999

-Operations Research Consultant, EDF, France

### 1995

-Operations Research Researcher, Air France, France

### 1996

-Operations Research Researcher, SNCF, France

## Publications

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### *Academic Article*

Berbain S., Impact de la fabrication additive sur la Supply Chain : Quels changements attendus dans le cadre de la production de pièces fonctionnelles en série ?, **Logistique & Management**, vol. 24 n°2 2016, pp 110-120.

Berbain S., Bourbonnais R. and Vallin P., Forecasting, Production and Inventory Management of Short Life-Cycle Products: Review of Literature and Case studies, **Supply Chain Forum: An International Journal**, vol. 12 n°4 2011, pp 36-48.

Berbain S., "A Mixed Integer Programming Model for Urban Traffic Control of Complex Single Junction", **Proceedings of 5th International Conference of the Decision Sciences Institute**, Athens, Greece, 4-7 July.1999.

Berbain S., "Nouvelle Approche du Problème d'affectation de la capacité aux avions, aux routes et aux horaires simultanément", Actes d'ASAC. **Administrative Sciences Association of Canada**, vol. 17, N°2, Montréal, CANADA, 1996.

## Conference Presentations

Berbain S., Fabrication Additive : Quels impacts sur la Supply Chain, Participation à la table ronde au **salon 3D Print**, Lyon, France, 14 juin 2017. *A venir*

Berbain S., Additive Manufacturing Supply Chain: *Critical challenges for manufacturing end-use parts at industrial scale*, **2ème journée de l'innovation Abbé Grégoire**, Paris, France, 28 Mars 2017. *A venir*

Berbain S., Designing Additive Manufacturing Supply Chain, **NEDSI Annual Conference**, Massachusetts, USA, 22-25 Mars 2017.

Berbain S., Impacts de la fabrication additive sur la Supply Chain, **11<sup>èmes</sup> Rencontres Internationales de Recherche en Logistique (RIRL 2016)**, Lausanne, Suisse, 7-9 Septembre 2016.

Berbain S., Bourbonnais R., Vallin P., Spécificités et Problématiques des Articles à durée de vie courte : Prévission de la demande, gestion des approvisionnements et gestion de la Production, **8<sup>èmes</sup> Rencontres Internationales de la Recherche en Logistique**, Bordeaux, France, Octobre 2010.

Berbain S., Bourbonnais R., Vallin P., Comment gérer au mieux la saisonnalité des ventes au sein de la chaine logistique, **Séminaire Supply Chain Université Paris-Dauphine**, Paris, Mars 2010.

Berbain S., A New Mixed Integer Linear Programming Model for Real Time Traffic Control, **International Decision Sciences Institute Conference**, Nancy, France, June 24-27, 2009.

Berbain S., Comment organiser la gestion de la production des articles à durée de vie courte, **Séminaire Supply Chain Université Paris-Dauphine**, Paris, 2008.

## Professional Associations

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-Member of International Association of Research in Logistics